Periodic Review Report
NYSDEC Site #828084
January 31, 2019 – April 21, 2022

Location:

Former Autohaus of Rochester
NYSDEC Site #828084
99 Marsh Road
East Rochester, New York

Prepared for:

99 Marsh Road Real Estate Holdings, LLC
71 Marsh Road
East Rochester, New York 14445

LaBella Project No. 2222082

December 16, 2022

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1.0 INTRODUCTION & BACKGROUND

LaBella Associates, D.P.C. (LaBella) is pleased to submit this Periodic Review Report (PPR) on behalf of 99 Marsh Road Real Estate Holdings, LLC, for the Former Autohaus of Rochester Site ID No. 828084 located at 99 Marsh Road, Village of East Rochester/Town of Perinton, Monroe County, New York, herein known as the "Site". A site Location Map is included as Figure 1.

This report summarizes activities performed and presents data collected during the reporting period of January 31, 2019 to April 21, 2022 and is intended to satisfy the PRR and annual reporting requirement described in the NYSDEC-approved Site Management plan (SMP) and the *Groundwater Sampling, Well Repair, and Well Decommissioning Work Plan NYSDEC Site #828084, Former Autohaus of Rochester, 99 Marsh Road, East Rochester, New York* dated October 15, 2018 prepared by LaBella.

2.0 SITE OVERVIEW

2.1 Site Description and Surrounding Properties

The former Autohaus of Rochester Site is located at 99 Marsh Rd. in the Village of East Rochester and Town of Perinton, New York. The 1.6-acre property is zoned as commercial and is situated both in the Town of Perinton and the Village of East Rochester. The site is currently listed by the NYSDEC as a Class 4 inactive hazardous waste site.

Surrounding the property, a Van Bortel Ford dealership is located north of the former Autohaus building. The area between the Autohaus Building and the dealership is paved and is currently used for vehicle parking for the dealership, as are other surface parking areas around the former Autohaus property. The westernmost edge of the site consists of an approximate twenty-five-foot rise in elevation, and that adjoining property is currently owned by the Wells Landing housing development. To the east, the property is bordered by Marsh Road and auto dealerships beyond Marsh Road. South of the site is an elevated rail bed.

2.2 Site History

In May 1989 an environmental audit performed at the Site identified a contaminated dry well. Supplemental environmental investigations sampled the soil, groundwater, and dry well to characterize the nature and extent of contamination. The primary contaminants of concern at the Site are the following volatile organic compounds (VOCs): acetone, methylene chloride, tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCE), benzene, toluene, xylenes, ethylbenzene, and 1,2-dichlorobenzene. All of these compounds except PCE, 1,1,1-TCE, benzene and 1,2-dichlorobenzene were also found in a monitoring well approximately 20 feet from the dry well. The following additional compounds were detected in the dry well: 2-butanone (MEK), 1,1-dichloroethene, and TCE. In general, the total VOCs detected (9,200 parts per billion (ppb)) in the dry well were about 2 to 3 times higher than the concentrations of total VOCs (3,200 ppb) in the well approximately 20 ft from the dry well. The compounds (i.e., VOCs) are consistent with materials used at the dealership such as engine degreaser, tar and wax removers, tetrachloroethylene, brake parts cleaner, and 1,1,1-TCE.

An Interim Remedial Measure (IRM) involving removal of the drywell and its associated piping was completed in 1992 and post-IRM characterization performed in 1997 indicated that the majority of the impacted soils were removed during the IRM. In addition, groundwater monitoring performed as part of the post IRM characterization indicated that the VOC concentrations in groundwater had decreased and the areal extent of impacted groundwater was stable. The Record of Decision (ROD) prescribed a selected remedy of no further action with continued monitoring to confirm the decreasing trend of VOC concentrations in the groundwater.

Over the 2007-2014 monitoring period, two VOCs continued to be consistently detected in groundwater samples collected from monitoring well GP-09, refer to Figure 2, at concentrations above the NYSDEC Ambient Water Quality Standards (AWQS). In April 2014, 99 Marsh Road Real Estate Holdings LLC purchased the property from 99 Marsh Road, LLC and signed a consent order with the NYSDEC that outlined its role as a volunteer in performing limited site management with additional action in addition to what was prescribed by the ROD. That action included work to attempt further reduction of concentrations in the GP-09 well to enable delisting of the former Autohaus site from the NYSDEC registry.

A Supplemental Remedial Action Work Plan - Chemical Oxidation Injection in August 2014 (Work Plan) was prepared and submitted to the NYSDEC. To prepare for and evaluate the effectiveness of the proposed injection program, (2) monitoring wells, MW-101 and MW-102 were installed located north of GP-09 in September 2014. The Work Plan was implemented in February 2015 with a total of 1,632 gallons of sodium persulfate solution placed into a series of injection points located north and south of monitoring well GP-09. Refer to Figure 2 for the location of monitoring wells. Three groundwater sampling events were completed in 2015 at approximately 30-, 90- and 180-day periods following the injection.

3.0 GROUNDWATER MONITORING

Prior to the groundwater sampling event, groundwater level measurements were collected using a water level meter from the wells planned to be sampled. Refer to Figure 2 for the location of groundwater monitoring wells. Table 3.0 (attached) summarizes historical groundwater level measurements in the Haley & Aldrich (H&A) 2015 PRR and during the most recent monitoring event. Groundwater flow is noted in the Record of Decision (March 1988) to be in the northeast direction from the former dry well. H&A calculated groundwater flow direction in September 2014 and determined a groundwater divide, whereas groundwater flow is generally to the northeast and from the north side of the Site building and to the southwest from near the north side of the Site building.

3.1 Groundwater Sampling

One (1) groundwater sampling event was performed during the reporting period. Groundwater was collected from each well using low flow sampling techniques via plastic flex tubing and a peristaltic pump. During sampling, the following parameters were measured and recorded at five (5) minute intervals from the wells.

- Water level drawdown (<0.3')
- Temperature (+/- 3%)
- pH (+/- 0.1 unit)
- Dissolved oxygen (+/- 10%)
- Specific conductance (+/- 3%)

- Oxidation reduction potential (+/- 10 millivolts)
- Turbidity (+/- 10%, <50 NTU for metals)

Groundwater sampling commenced once the groundwater quality indicator parameters have stabilized for at least three consecutive readings for the above parameters or after 1 hour of purging. Groundwater sample logs are included in Appendix 1.

During the 2022 groundwater monitoring event, samples for emerging contaminants were also collected at the Site as requested by the NYSDEC. The groundwater monitoring work completed during this reporting period is summarized below.

Monitoring Program	Analysis[1,2]	Wells Monitored
Groundwater	1,4-Dioxane via USEPA Method 8270 SIM	GP-09, MW-10, & MW-11
	PFAS via Modified USEPA Method 537	
	TCL and CP-51 VOCs via USEPA Method 8260	GP-09 & MW-102
	General Chemistry (Total Organic Carbon via 9060, Dissolved Iron via 6010, Total Iron via 6010, Sulfate via 300.0)	

Notes:
1. TCL VOCs denotes Target Compound List Volatile Organic Compounds
2. CP-51 VOCs denotes NYSDEC Commissioner Policy 51 list VOCs

Monitoring wells GP-09 and MW-102 are sampled for VOCs based on recommendations in the 2015 Periodic Review Report for the Site. The 2015 PRR indicated that injections of chemical oxidants were competed in February 2015 to further reduce concentrations of VOCs in the area of the former dry well due to exceedances routinely detected in samples collected from well GP-09. MW-101 and MW-102 were installed in September 2014 to monitor VOCs in groundwater downgradient of from well GP-09 to evaluate the results injection work performed. Following the chemical oxidant treatment of the area, groundwater sampling completed indicated that samples collected from MW-101 indicated that target contaminants were not detected. Samples from wells GP-09 and MW-102, continued to detect VOCs and as a result were recommended for continued sampling to monitor VOC concentrations and trends in this area. These wells also continue to be sampled for total organic carbon (TOC), sulfate, total iron and dissolved iron as these can be used to assess the oxidant demand effects associated with the chemical injection.

In a letter dated May 29, 2018 from the NYSDEC, a request was made to sample for emerging contaminants, more specifically, per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane, at the Site as part of the NYSDEC's statewide initiative to evaluate remediation sites to understand the risk posed by these emerging contaminants. Monitoring wells GP-09, MW-10 and MW-11 were selected for analysis of these compounds. MW-11 was selected to act as an upgradient location of Site contamination to evaluate potential background levels, while wells GP-09 and MW-10 were selected to evaluate the area near the former dry well at the Site where other Site contaminants have been detected.

In addition to the above samples, quality assurance/quality control (QA/QC) samples were collected during groundwater sampling including "blind" duplicate samples, matrix spike/matrix spike duplicate (MS/MSD) samples, and equipment blank samples. Blind duplicates were labeled in such a manner that the laboratory would not know which samples they were duplicating, nor that they

were actually duplicates in some cases. MS/MSD samples were also submitted and were identified as such on the chain-of-custody so the laboratory could perform internal quality checks on instrument performance. Equipment blanks were used for PFAS sampling to monitor equipment decontamination procedures and to identify the possibility of cross-contamination. Samples were submitted under standard chain-of-custody procedures to ALS Environmental Laboratories. A copy of the laboratory report is included in Appendix 2 and the Data Usability Summary Report is included in Appendix 3.

The validation of the analytical results for samples collected from the project site indicate that the samples were processed in general compliance with applicable protocols, and the majority of results are usable as reported, or usable with minor edits or qualification as estimated or edits to non-detection. The results for 1,4-dioxane via USEPA method 8260 were rejected because the analyte failed to produce the required minimum levels of instrument response during the initial laboratory equipment calibration for that specific analytical method; however, 1,4-dioxane was also analyzed via USEPA method 8270 SIM and the results for this method are considered usable. USEPA method 8270 SIM is the preferred method for analysis of 1,4-dioxane to achieve desired detection limits. No other results were rejected.

3.2 Groundwater Monitoring Data

The following is a summary of groundwater sampling results for each of the four (4) groundwater monitoring wells sampled at the Site. The results are summarized on Tables 3.2A (VOCs and 1,4-Dioxane), 3.2B (PFAS), and 3.2C (general chemistry). The results for the VOC are compared to the TOGS 1.1.1 Ambient Water Quality Standards (AWQS) and the results for PFAS and 1,4-Dioxane are compared to the NYSDEC's Screening Levels used as internal guidance. The results for the VOCs, 1,4-Dioxane, and PFAS are discussed below. Refer to Figure 3 showing the locations of groundwater exceedances. Graphs displaying contaminant trends for VOCs are included in Appendix 5. Graphs for 1,4-dioxane and PFAS are not included due to the small number of sampling events for these compounds.

GP-09

Four (4) VOCs in the groundwater sample collected from monitoring well GP-09 (sample ID GP-09-20220420) have been detected at concentrations above the TOGS 1.1.1 Ambient Water Quality Standards (AWQS) as summarized below:

- 1,2,4-Trimethylbenzene – 5.9 micrograms per liter (ug/L)
- 1,2-Dichlorobenzene – 57 ug/L
- 1,4-Dichlorobenzene – 4.5 J ug/L
- Naphthalene – 12 ug/L

The concentrations reported for April 2022 were similar to concentrations detected during previous sampling events.

Laboratory results for 1,4-dioxane indicate the compound was detected in the groundwater sample collected from well GP-09 at a concentration of 0.84 ug/L which is below the October 2018 concentration of 2.6 ug/L. Note that the concentration detected during this reporting period is below the NYSDEC screening level of 1 ug/L for 1,4-dioxane.

PFOA and PFOS were detected in the groundwater sample collected from well GP-09 at concentrations of 5.6 ng/L and 12 J ng/L, respectively during the 2022 sampling event which are lower than concentrations detected in the 2018 sampling event. The PFOS concentration also exceeds the NYSDEC screening level based on the NYSDEC November 2022 Sampling, Analysis, and

Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under Part 375 Remedial Programs which indicates screening levels for PFOA and PFOS are 10 ng/L. PFOS was also detected above the PFAS guidance value of 10 ng/L in the October 2018 groundwater sampling event at a concentration of 14 ng/L. PFOA was detected in the sample collected in 2018 at a concentration of 5.9 ng/L. Total PFAS concentrations detected in 2018 were 156.6 ng/L which decreased to 61.2 in in the 2022 sampling event.

MW-10

Results for 1,4-Dioxane in the groundwater sample collected from well MW-10 (sample ID MW-10-20220420) indicate that the contaminant was not detected at a concentration above the laboratory reporting limit. It was also not detected during the sampling completed in 2018.

PFOS was detected at a concentration of 21 ng/L and PFOA was detected at a concentration of 24 ng/L that is above the NYSDEC guidance value of 10 ng/L during the sampling completed in 2022. Concentrations in 2022 were similar to the October 2018 monitoring event where PFOS was detected at a concentration of 17 ng/L and PFOA was detected at a concentration of 21 ng/L. Total PFAS concentrations in 2018 were 96.46 ng/L which decreased to 88.6 ng/L in 2022.

MW-11

Results for 1,4-Dioxane in the groundwater the sample collected from well MW-11 (sample ID MW-11-20220420) indicate it was not detected at a concentration above the laboratory reporting limit. It was also not detected during the sampling completed in 2018.

PFOS was not detected in the MW-11 sample and PFOA was detected at a concentration of 3.7 ng/L which remains below the NYSDEC screening level of 10 ng/L during the 2022 sampling event. During the 2018 sampling, PFOS was not detected and PFOA was detected a concentration of 1.8 ng/L. Total PFAS concentrations in 2018 were 25.66 ng/L and increased to 94 ng/L in 2022.

MW-102

Two (2) VOCs in the groundwater sample collected from well MW-102 (sample ID MW-102-20220420) have been detected at concentrations above the TOGS 1.1.1 AWQS as summarized below:

- 1,4-Dichlorobenzene – 4 ug/l
- Naphthalene – 11 ug/l

These concentrations reported for April 2022 were similar to the previous sampling events in October 2018 and as outlined in the H&A 2015 PRR.

4.0 STATUS OF INSTITUTIONAL CONTOLS AND ENGINEERING CONTROLS

4.1 Institutional Controls

The Institutional Control (IC) at the former Autohaus of Rochester site is a NYSDEC-approved Site Management Plan (SMP). The SMP limits potential human and environmental exposure to residual contamination by restricting activity, use and access to the identified impacts at the property. The SMP utilizes a long-term monitoring plan to track the current trend of declining groundwater contamination concentrations on the Site.

This Institutional Control remained in effect throughout this reporting period.

4.2 *Engineering Controls*

Engineering Controls (EC) provides a physical means to limit or eliminate exposure to residual contamination or physical hazards through the use of or substitution of engineered machinery or equipment. The EC at the Site includes a network of groundwater monitoring wells that provides depths to groundwater and a method to monitor and confirm site groundwater quality and quality trends. The EC remained in place throughout the reporting period of January 31, 2019 to April 21, 2022.

The EC/IC Certification statement and forms are included as Appendix 4.

5.0 OPERATION & MAINTENANCE COMPLIANCE REPORT

There are currently no active Engineering Controls at the Site therefore operation and maintenance activities have not been completed at the Site during this reporting period.

5.1 *Compliance*

The requirements dictated in the SMP regarding IC/EC's and the Monitoring Plan were generally met during the reporting period. Static water levels (SWLs) were collected from the wells identified that were to be sampled as part of the groundwater monitoring activities although the SMP states to collect SWLs from the entire monitoring well network. It should be noted that static water levels collected in 2022 are consistent with previous static water levels collected.

5.2 *Performance and Effectiveness of Remedy*

An evaluation of the components of the SMP during this reporting period indicates that the IC/EC controls were protective of human health and the environment during this reporting period. The monitoring plan sufficiently monitored the performance of the remedy.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the 2022 groundwater sampling results, the following conclusions were made:

- Results of groundwater sampling conducted in 2022 at monitoring wells GP-09 and MW-102 indicate that VOCs were detected at concentrations greater than the TOGS 1.1.1 AWQS. These results are consistent with historical concentrations and downward trends.

- Based on the updated November 2022 NYSDEC PFAS Guidance under Part 375 Remedial Programs, PFOS was detected in GP-09 and MW-10 above guidance values in both the October 2018 and April 2022 sampling events. In addition, PFOA was detected in MW-10 above guidance values in both the October 2018 and April 2022 sampling events. It should be noted that although concentrations are slightly above the guideline concentration, the concentrations are relatively low and remained stable.

- 1,4-Dioxane concentrations detected in April 2022 are lower in each sample location compared to the October 2018 sample results. Additionally, 1,4-dioxane was not detected in two of the three recent samples.

- Based on the low concentrations of PFAS and 1,4-Dioxane detected in groundwater and that the Site and surrounding area are served by a public during water source, PFAS and 1,4-Dioxane do not represent a remedial concern at the Site.

- The site remedy has remained protective of human health and the environment.

In addition to the conclusions above, the following recommendations are made:

- The certification/monitoring period and groundwater monitoring should remain three years.

- Based on the NYSDEC Site Management (SM) Periodic Review Report (PRR) Response letter from the NYSDEC dated November 14, 2022, another round of groundwater sampling for PFAS and 1,4-dioxane was requested for these analytes during the next Periodic Review Period to confirm a downward trend or consistency of results.

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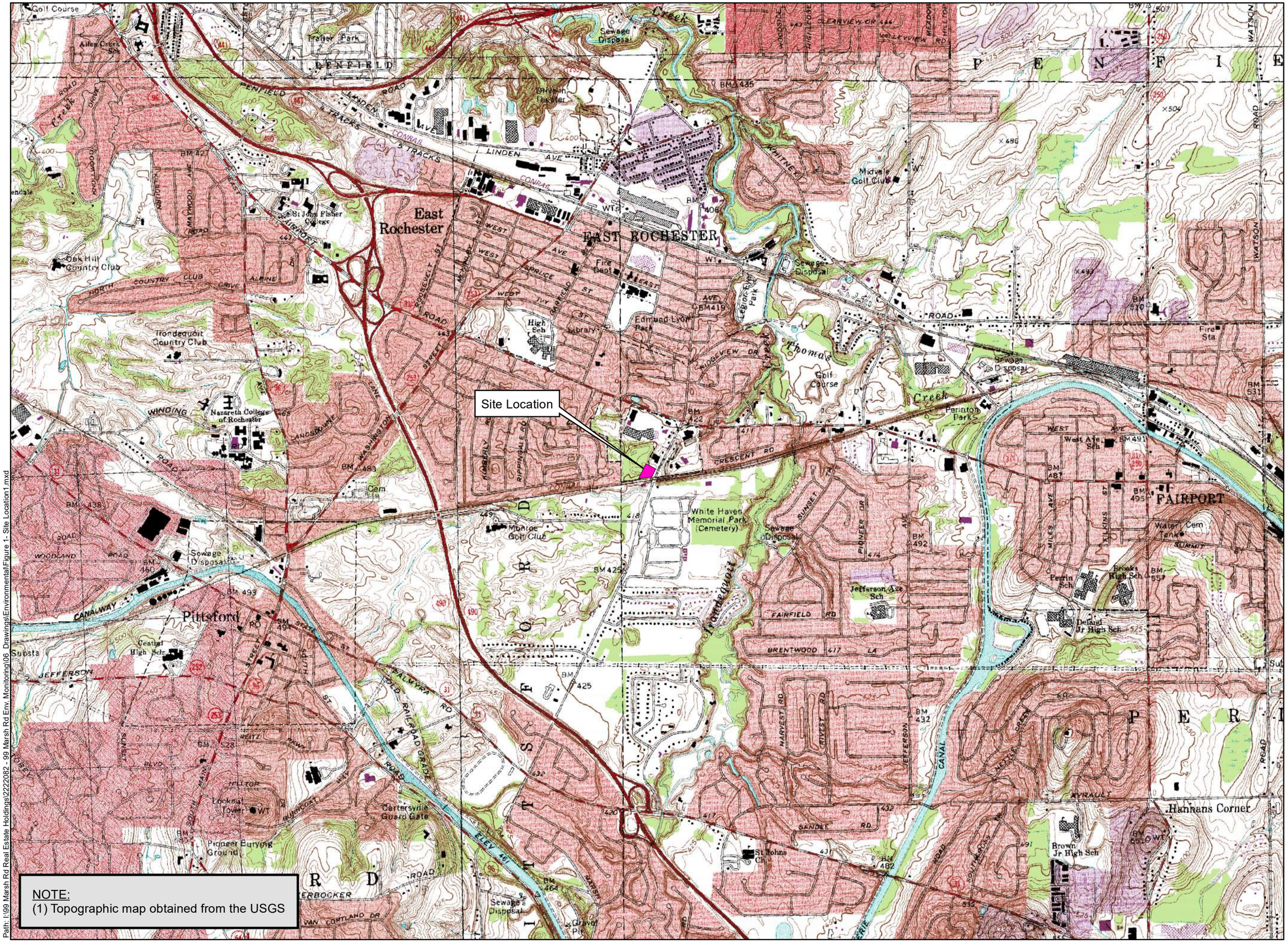
FIGURES



NOTE:
(1) Topographic map obtained from the USGS

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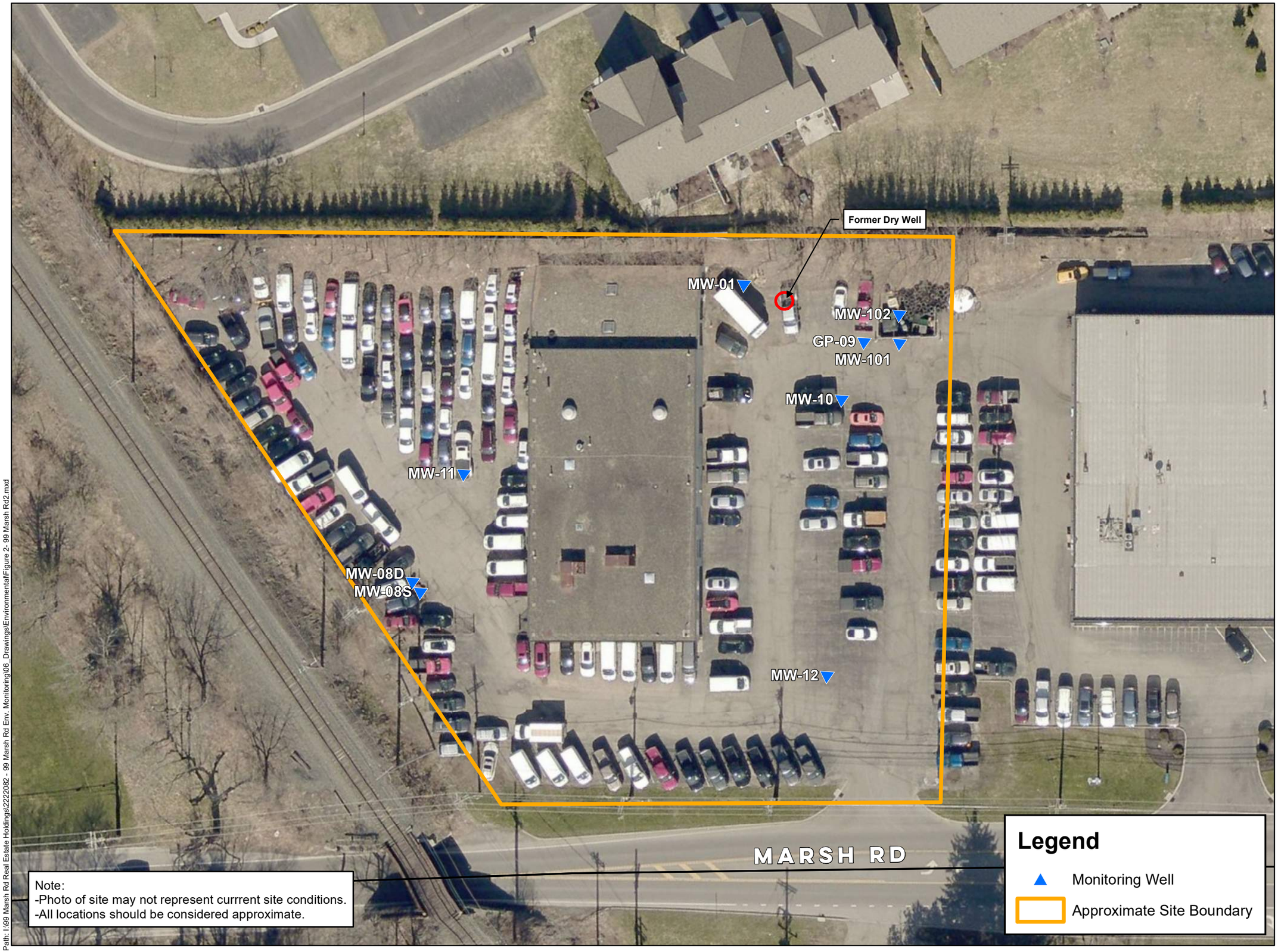
PERIODIC REVIEW REPORT
99 MARSH ROAD
EAST ROCHESTER, NY

CLIENT:
99 MARSH ROAD REAL ESTATE HOLDINGS, LLC

TITLE:
SITE LOCATION MAP

2222082

FIGURE 1



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NYSDEC SITE #828084
PERIODIC REVIEW REPORT
99 MARSH ROAD
EAST ROCHESTER, NY

CLIENT:
99 MARSH ROAD REAL ESTATE HOLDINGS, LLC

TITLE:
WELL LOCATION MAP

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1 inch = 40 feet

Intended to print as 11" x 17"

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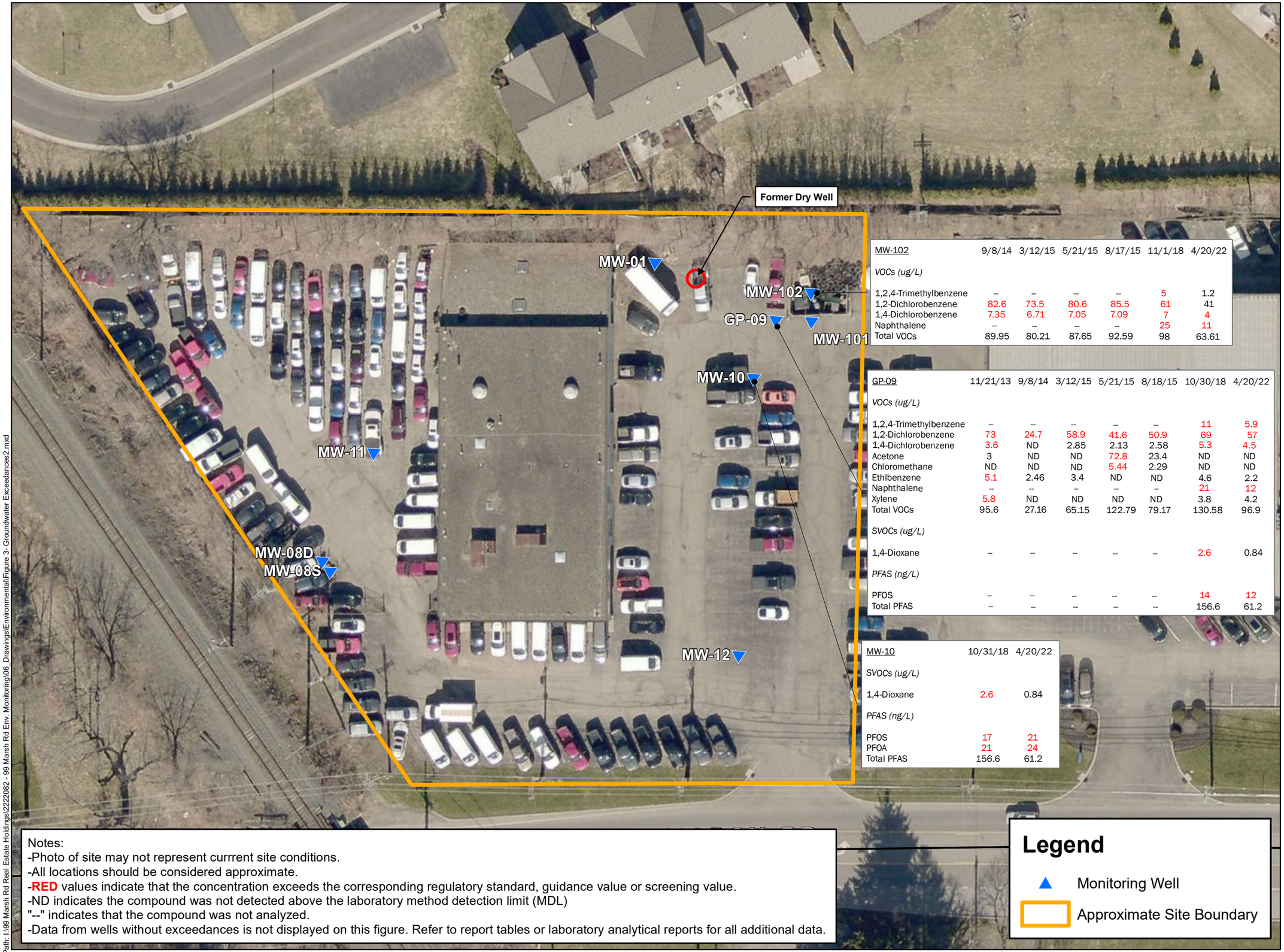
FIGURE 2



MW-102	9/8/14	3/12/15	5/21/15	8/17/15	11/1/18	4/20/22
VOCs (ug/L)						
1,2,4-Trimethylbenzene	--	--	--	--	5	1.2
1,2-Dichlorobenzene	82.6	73.5	80.6	85.5	61	41
1,4-Dichlorobenzene	7.35	6.71	7.05	7.09	7	4
Naphthalene	--	--	--	--	25	11
Total VOCs	89.95	80.21	87.65	92.59	98	63.61

GP-09	11/21/13	9/8/14	3/12/15	5/21/15	8/18/15	10/30/18	4/20/22
VOCs (ug/L)							
1,2,4-Trimethylbenzene	--	--	--	--	--	11	5.9
1,2-Dichlorobenzene	73	24.7	58.9	41.6	50.9	69	57
1,4-Dichlorobenzene	3.6	ND	2.85	2.13	2.58	5.3	4.5
Acetone	3	ND	ND	72.8	23.4	ND	ND
Chloromethane	ND	ND	ND	5.44	2.29	ND	ND
Ethlbenzene	5.1	2.46	3.4	ND	ND	4.6	2.2
Naphthalene	--	--	--	--	--	21	12
Xylene	5.8	ND	ND	ND	ND	3.8	4.2
Total VOCs	95.6	27.16	65.15	122.79	79.17	130.58	96.9
SVOCs (ug/L)							
1,4-Dioxane	--	--	--	--	--	2.6	0.84
PFAS (ng/L)							
PFOS	--	--	--	--	--	14	12
Total PFAS	--	--	--	--	--	156.6	61.2

MW-10	10/31/18	4/20/22
SVOCs (ug/L)		
1,4-Dioxane	2.6	0.84
PFAS (ng/L)		
PFOS	17	21
PFOA	21	24
Total PFAS	156.6	61.2

Notes:
-Photo of site may not represent currrent site conditions.
-All locations should be considered approximate.
-**RED** values indicate that the concentration exceeds the corresponding regulatory standard, guidance value or screening value.
-ND indicates the compound was not detected above the laboratory method detection limit (MDL)
"--" indicates that the compound was not analyzed.
-Data from wells without exceedances is not displayed on this figure. Refer to report tables or laboratory analytical reports for all additional data.

Legend

- Monitoring Well
- Approximate Site Boundary

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TITLE:
GROUNDWATER EXCEEDANCES

N
W
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1 inch = 40 feet

Intended to print as 11" x 17"

2222082

FIGURE 3

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TABLES

TABLE 3.0

Static Water Levels

Former Autohaus of Rochester : NYSDEC Site #828084

99 Marsh Road, East Rochester, New York

Monitoring Well / Piezometer	Measuring Point Elevation (ft. AMSL)	Water Elevation (ft. AMSL)												
		Oct. 2007	Oct. 2008	Apr-09	Dec. 2010	Oct. 2011	Nov. 2013	Aug. 2014	Sept. 2014	Mar. 2015	May-15	Aug. 2015	Oct. 2018	Apr. 2022
MW-01	419.24	410.21	410.04	410.84	409	410.05	409.53	409.44	409.74	---(e)	409.6	409.34	---(f)	---(g)
MW-08S	420.4	408.14	407.77	410.4	408.26	409.1	408.36	410.89	407.94	406.69	408.68	408.51	407.53	---(g)
MW-08D	421.13	405.71	405.13	406.93	405.25	406.19	405.71	408.4	405.79	405.12	405.4	405.38	405.77	---(g)
MW-09	430.78	406.05	405.48	406.15	---(a)	---(a)	---(a)	---(a)	---(a)	---(a)	---(a)	---(a)	---(a)	---(g)
MW-10	418.13	409.53	409.12	410.83	408.47	409.46	408.81	409.81	409.48	---(e)	409.41	409.32	407.97	409.13
GP-09	418.35	405.83	405.19	406.37	405.5	406.64	405.93	406.6	407.01	404.9	405.15	405.47	405.77	406.26
MW-11	417.45	–(b)	–(b)	–(b)	405.96	407.16	407.08	407.34	407.24	406	407.06	406.99	406.92	407.43
MW-12	417.93	–(b)	–(b)	–(b)	406.64	406.73	408.48	409.03	409.16	407.14	408.92	408.6	409.12	---(g)
MW-101 (c)	418.35	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	406.09	405.35	405.6	405.68	406.05	---(g)
MW-102 (c)	418.35	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	---(d)	406.3	405.5	405.95	405.69	406.3	407.45

(a) Monitoring well MW-09 observed to be unserviceable during December 2010 gauging event.

(b) Monitoring wells MW-11 and MW-12 installed prior to December 2010 gauging event.

(c) Monitoring wells MW-101 and MW-102 ground elevation is assumed to be the same as GP-09.

(d) Monitoring wells MW-110 and MW-102 installed prior to September 2014 gauging event.

(e) Monitoring wells MW-01 and MW-10 observed to be unserviceable during March 2015 gauging event.

(f) Well was unable to be located for measuring.

(g) Static Water levels were only collected from monitoring wells where samples were scheduled to be collected.

REFERENCE PAGE FOR SAMPLE RESULTS

Former Autohaus of Rochester, NYSDEC Site #C828084
99 Marsh Road, East Rochester, New York
LaBella Project #2222082

NOTES

< - The compound was not detected at the indicated concentration.

SVOCs - Semi-Volatile Organic Compounds

VOCs - Volatile Organic Compounds

NYSDEC - New York State Department of Environmental Conservation

mg/kg - milligrams per kilogram

µg/kg - micrograms per kilogram

µg/l - micrograms per liter

ng/L - nanograms per Liter or parts per trillion (PPT)

NYS - New York State

NA - Not Applicable

ND - Not Detected above MDL

NS - Not Sampled

NL - Not Listed

USEPA - denotes United States Environmental Protection Agency

TCLP - Toxic Characteristic Leaching Procedure

RCRA denotes Resource Conservation and Recovery Act

CP-51 denotes NYSDEC Commissioner Policy CP-51 (October 2010)

Highlighted result indicates compound was detected exceeding the TOGS 1.1.1 Groundwater Standards or NYSDEC Part 375 PFAS Guidance Standards

[a] indicates that no TOGS 1.1.1 Groundwater Standard available so the NYSDEC screening value for 1,4-dioxane was used.

[b] indicates that no TOGS 1.1.1 Groundwater Standard available so the NYSDEC Sampling, Analysis and Assessment of Per-and Polyfluoroalkyl Substances (PFAS) Under Part 375 Remedial Programs Screening Value was used

Laboratory Qualifiers

J denotes the result is estimated

B: The same analyte is found in the associated blank

J0: J0: Calibration verification outside of acceptance limits. Result is estimated.

J2: Surrogate recovery limits have been exceeded; values are outside lower control limits

V3: The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

J3: The associated batch QC was outside the established quality control range for precision

J4: The associated batch QC was outside the established quality control range for accuracy

J5: The sample matrix interfered with the ability to make any accurate determination; spike value is highJ6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

J7: Surrogate recovery cannot be used for control limit evaluation due to dilutionV: The sample concentration is too high to evaluate accurate spike recoveries.

U denotes Not Detected above laboratory reporting limit

* isotope dilution analyte is outside acceptance limits

D denotes sample was diluted and reanalyzed

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

F2 - MS/MSD RPD exceeds control limits

F4 - MS/MSD RPD exceeds control limits due to sample size difference.

TABLE 3.2A
Groundwater Samples
Former Autohaus of Rochester : NYSDEC Site #C828084
99 Marsh Road, East Rochester, New York
Volatile Organic Compounds and 1,4-Dioxane

Monitoring Well Location		GP-09								MW-10		MW-11			MW-102						
Sample ID		131121 GP9	GP009-090814-1315	GP009-091215-1746	GP09-052115-1300	GP009-081815-1530	GP-09-2018	DUPE-2018 (GP-09-2018)	GP-09-20220420	MW-10-2018	MW-10-20220420	MW-11-2018	MW-11-20220420	DUPE-01-20220420	MW102-090814-1090	MW102-091215-1520	MW102-052115-1715	MW102-081715-1310	MW-102-2018	MW-102-20220420	DUPE-02-20220421
Sample Depth (ft bgs)	TOGS 1.1.1 Groundwater Standards	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	25' BGS	25' BGS	27' BGS	15' BGS	16' BGS	25' BGS	26' BGS	26' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	25' BGS	25' BGS	25' BGS
Lab Sample		NA	NA	NA	NA	NA	480-144430-1	480-144430-2	R2203594-002	480-144514-1	R2203594-006	480-144514-2	R2203594-001	R2203594-008	NA	NA	NA	NA	480-144618-1	R2203594-004	R2203594-009
Date Sampled		11/21/2013	9/8/2014	3/12/2015	5/21/2015	8/18/2015	10/30/2018	10/30/2018	4/20/2022	10/31/2018	4/20/2022	10/31/2018	4/20/2022	4/20/2022	9/8/2014	3/12/2015	5/21/2015	8/17/2015	11/1/2018	4/20/2022	4/21/2022
VOCs																					
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	0.82 U	0.82 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.16 U	ND U	ND U
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	0.21 U F1	0.21 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.42 U	ND U	ND U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND	ND	ND	0.31 U	0.31 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.62 U	ND U	ND U
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	0.23 U	0.23 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.46 U	ND U	ND U
1,1-Dichloroethane	5	1.7	ND	ND	ND	ND	1.8 J	1.7 J	ND U	–	–	–	–	–	ND	ND	ND	ND	0.76 U	ND U	ND U
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	0.29 U	0.29 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.58 U	ND U	ND U
1,2,3-Trichlorobenzene	NL	–	–	–	–	–	–	–	ND U	–	–	–	–	–	–	–	–	–	–	ND U	ND U
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	0.41 U	0.41 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.82 U	ND U	ND U
1,2,4-Trimethylbenzene	5	–	–	–	–	–	11 J	11 J	5.9	–	–	–	–	–	–	–	–	–	5	1.2	1.1 J
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND	ND	0.39 U	0.39 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.78 U	ND U	ND U
1,2-Dibromoethane	0.00006	ND	ND	ND	ND	ND	0.73 U	0.73 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.5 U	ND U	ND U
1,2-Dichlorobenzene	3	73	24.7	58.9	41.6	50.9	69 J	66 J	57	–	–	–	–	–	82.6	73.5	80.6	85.5	61	41	36
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	0.21 U	0.21 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.42 U	ND U	ND U
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	0.72 F1	0.72 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.4 U	ND U	ND U
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	3 J	2.9 J	1.7 J	–	–	–	–	–	ND	ND	ND	ND	1.5 U	ND U	ND U
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	0.78 U	0.78 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.6 U	0.34 J	ND U
1,4-Dichlorobenzene	3	3.6	ND	2.85	2.13	2.58	5.3 J	5.2 J	4.5 J	–	–	–	–	–	7.35	6.71	7.05	7.09	7	4	4.4 J
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	1.3 U	1.3 U	ND U	–	–	–	–	–	ND	ND	ND	ND	2.6 U	ND U	ND U
2-Hexanone	50	ND	ND	ND	ND	ND	1.2 U F1	1.2 U	ND U	–	–	–	–	–	ND	ND	ND	ND	2.5 U	ND U	ND U
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	0.31 U F1	0.31 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.62 U	ND U	ND U
4-Methyl-2-pentanone (MIBK)	NL	ND	ND	ND	ND	ND	2.1 U F1	2.1 U	ND U	–	–	–	–	–	ND	ND	ND	ND	4.2 U	ND U	ND U
Acetone	50	3 J	ND	ND	72.8	23.4	3 U	3 U	ND U	–	–	–	–	–	ND	ND	ND	ND	6 U	ND U	ND U
Benzene	1	0.73 J	ND	ND	0.819	ND	0.63 J	0.6 J	ND U	–	–	–	–	–	ND	ND	ND	ND	0.82 U	ND U	ND U
Bromochloromethane	NL	–	–	–	–	–	–	–	ND U	–	–	–	–	–	–	–	–	–	–	ND U	ND U
Bromodichloromethane	50	ND	ND	ND	ND	ND	0.39 U	0.39 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.78 U	ND U	ND U
Bromoform	50	ND	ND	ND	ND	ND	0.26 U	0.26 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.52 U	ND U	ND U
Bromomethane	5	ND	ND	ND	ND	ND	0.69 U	0.69 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.4 U	ND U	ND UJ
Carbon disulfide	NL	ND	ND	ND	ND	ND	0.19 U	0.19 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.38 U	3.3	ND U
Carbon tetrachloride	5	ND	ND	ND	ND	ND	0.27 U	0.27 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.54 U	ND U	ND U
Chlorobenzene	5	ND	ND	ND	ND	ND	0.75 U	0.75 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.5 U	ND U	ND U
Chloroethane	5	ND	ND	ND	ND	ND	0.32 U	0.32 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.64 U	ND U	ND U
Chloroform	7	ND	ND	ND	ND	ND	0.34 U	0.34 U	2.5 J	–	–	–	–	–	ND	ND	ND	ND	0.68 U	ND U	ND U
Chloromethane	5	ND	ND	ND	5.44	2.29	0.35 U	0.35 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.7 U	ND U	ND U
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	0.81 U	0.81 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.6 U	ND U	ND U
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	0.36 U	0.36 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.72 U	ND U	ND U
Cyclohexane	NL	ND	ND	ND	ND	ND	0.18 U F1	0.18 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.36 U	ND U	ND U
Dibromochloromethane	50	ND	ND	ND	ND	ND	0.32 U	0.32 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.64 U	ND U	ND U
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	0.68 U	0.68 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.4 UJ	ND U	ND U
Ethylbenzene	5	5.1	2.46	3.4	ND	ND	4.6 J	4.4 J	2.2 J	–	–	–	–	–	ND	ND	ND	ND	1.5 U	0.66 J	ND U
Isopropylbenzene	5	1.3	ND	ND	ND	ND	1.4 J	1.5 J	1.1 J	–	–	–	–	–	ND	ND	ND	ND	1.6 U	0.4 J	ND U
m,p-Xylene	5	–	ND	ND	ND	ND	2.4 J	2.3 J	2.4 J	–	–	–	–	–	ND	ND	ND	ND	1.3 U	ND U	ND U
Methyl acetate	NL	ND	ND	ND	ND	ND	1.3 U	1.3 U	ND U	–	–	–	–	–	ND	ND	ND	ND	2.6 U	ND U	ND U
Methyl tert-butyl ether	NL	0.67 J	ND	ND	ND	ND	0.37 J	0.29 J	ND U	–	–	–	–	–	ND	ND	ND	ND	0.32 U	ND U	ND U
Methylcyclohexane	NL	ND	ND	ND	ND	ND	0.16 U	0.16 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.32 U	ND U	ND U
Methylene Chloride	5	ND	ND	ND	ND	ND	1.7 J	0.99 J	ND U	–	–	–	–	–	ND	ND	ND	ND	0.88 U	ND U	ND U
Naphthalene	10	–	–	–	–	–	21 J	21	12	–	–	–	–	–	–	–	–	–	25	11	9.9
n-Butylbenzene	5	ND	ND	ND	ND	ND	0.64 U F1	0.64 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.3 U	ND U	ND U
N-Propylbenzene	5	ND	ND	ND	ND	ND	1.8 J	1.7 J	1.6 J	–	–	–	–	–	ND	ND	ND	ND	1.4 U	0.56 J	ND U
o-Xylene	5	–	ND	ND	ND	ND	1.4 J	1.4 J	1.8 J	–	–	–	–	–	ND	ND	ND	ND	1.5 U	ND U	ND U
sec-Butylbenzene	5	ND	ND	ND	ND	ND	0.75 U F1	0.75 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.5 U	0.46 J	ND U
Styrene	5	ND	ND	ND	ND	ND	0.73 U	0.73 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.5 U	ND U	ND U
tert-Butylbenzene	5	ND	ND	ND	ND	ND	0.81 U	0.81 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.6 U	0.35 J	ND U
Tetrachloroethene	5	ND	ND	ND	ND	ND	0.36 U	0.36 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.72 U	ND U	ND U
Toluene	5	ND	ND	ND	ND	ND	0.51 U	0.51 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1 U	ND U	ND U
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	0.9 U	0.9 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.8 U	ND U	ND U
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	0.37 U	0.37 U	ND U	–	–	–	–	–	ND	ND	ND	ND	0.74 U	ND U	ND U
Trichloroethene	5	0.66 J	ND	ND	ND	ND	0.66 J	0.68 J	ND U	–	–	–	–	–	ND	ND	ND	ND	0.92 U	0.34 J	ND U
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	0.88 U	0.88 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.8 U	ND U	ND U
Vinyl chloride	2	ND	ND	ND	ND	ND	0.9 U	0.9 U	ND U	–	–	–	–	–	ND	ND	ND	ND	1.8 U	ND U	ND U
Xylenes, Total	5	5.8	–	–	–	–	3.8 J	3.7 J	4.2	–	–	–	–	–	–	–	–	–	1.3 U	–	–
Total VOCs	NL	95.56	27.16	65.15	122.789	79.17	126.06	121.66	96.9	–	–	–	–	–	89.95	80.21	87.65	92.59	98	63.61	51.4
SVOCs																					
1,4-Dioxane	1*	–	ND	ND	ND	ND	2.6	2.5	0.84	0.095 U	ND U	0.19 U	ND U	ND U	–	–	–	–	–	–	–

TABLE 3.2B

Groundwater Samples

Former Autohaus of Rochester : NYSDEC Site #C828084

99 Marsh Road, East Rochester, New York

PFAS

Location	CAS #	Units	NYSDEC Part 375 Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Guidance Values	GP-09			MW-10		MW-11		
Sample Name				GP009-081815-1530	DUPE-2018 Parent: GP-09	GP-09-20220420	MW-10-2018	MW-10-20220420	MW-11-2018	MW-11-20220420	DUPE-01-20220420 Parent: MW-11
Sample Depth (ft bgs)				25' BGS	25' BGS	27' BGS	15' BGS	16' BGS	25' BGS	26' BGS	26' BGS
Lab Sample				480-144430-1	480-144430-2	22042294-02	480-144514-1	22042294-03	480-144514-2	22042294-01	22042294-05
Date Sampled				10/30/2018	10/30/2018	4/20/2022	10/31/2018	4/20/2022	10/31/2018	4/20/2022	4/20/2022
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	39108-34-4	ng/L	NL	9.1 U	9 U	ND U	45 U	ND U	0.44 U	ND U	ND U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	27619-97-2	ng/L	NL	4 U	4 U	ND UJ	0.8 U	ND U	0.79 U	ND U	ND U
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	NL	2.8 U	2.8 U	ND UJ	0.56 U	ND UJ	0.55 U	ND UJ	ND UJ
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	NL	7.3 U F2 F1	7.2 U	ND UJ	0.36 U	ND U	0.36 U	ND UJ	ND UJ
Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/L	NL	1.8 U	1.8 U	2 J	5.1	4.6 J	0.99 J	2.2 J	2.1 J
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	NL	120	130	28	10	13 J	7.6	18 J	16 J
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/L	NL	2.1 U	2.1 U	ND U	0.42 U	ND U	0.42 U	ND U	ND U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	NL	6.2 U	6.1 U	ND U	0.3 U	ND UJ	0.3 U	ND U	ND UJ
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	NL	1.4 U	1.4 U	ND U	0.28 U	ND UJ	0.28 U	ND UJ	ND U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ng/L	NL	3.3 U	3.3 U	ND U	0.99 J	1.1 J	0.65 U	ND U	ND U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	NL	3.4 J	4 J	2.4 J	9.5	6.7 J	0.97 J	3.1 J	3.2 J
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/L	NL	1.1 U	1 U	2 J	6.5	7	0.4 J	ND U	ND U
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	NL	2.9 J	4.7 J	4 J	12	5.8 J	2.9	22	21 J
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	NL	1.8 J	1.8 J	ND U	0.37 J	ND U	0.3 U	ND U	ND UJ
Perfluorooctane Sulfonamide (PFOSA)	754-91-6	ng/L	NL	2.3 U	2.2 U	ND UJ	0.45 U	ND UJ	0.44 U	ND U	ND UJ
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/L	10[b]	14	11	12 J	17	21 J	0.6 U	ND UJ	ND UJ
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	10[b]	5.9 J	6.2 J	5.6	21	24 J	1.8	3.7	3.7 J
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	NL	8.6	9.5	5.2	14	5.4 J	11	48 J	48 J
Perfluorotetradecanoic acid (PFTeA)	376-06-7	ng/L	NL	1.8 U	1.8 U	ND U	0.36 U	ND UJ	0.36 U	ND U	ND U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/L	NL	0.97 U	0.96 U	ND U	0.19 U	ND U	0.19 U	ND U	ND U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	ng/L	NL	1 U	1 U	ND U	0.2 U	ND U	0.2 U	ND U	ND U
Total PFOS+PFOA	–	ng/L	NL	19.9	17.2	17.6	38	45	2.4	3.7	3.7
Total PFAS	–	ng/L	NL	156.6	167.2	61.2	96.46	88.6	25.66	97	94

TABLE 3.2C
Groundwater Samples
Former Autohaus of Rochester : NYSDEC Site #C828084
99 Marsh Road, East Rochester, New York
General Chemistry

Location			GP-09								MW-102					
Sample ID	Units	TOGS 1.1.1 Groundwater Standards	131121 GP9	GP009-090814-1315	GP009-081215-1745	GP09-052115-1300	GP009-081815-1530	GP-09-2018	DUPE-2018 (GP-09-2018)	GP-09-20220420	MW102-090814-1030	MW102-081215-1520	MW102-052115-1715	MW102-081715-1310	MW-102-2018	MW-102-20220420
Sample Depth (ft bgs)			19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	19.3 - 29.3 'BGS	25' BGS	25' BGS	27' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	19.5 - 29.5' BGS	25' BGS	25' BGS
Lab Sample			NA	NA	NA	NA	NA	480-144446-1	480-144446-1	R2203594-002	NA	NA	NA	NA	480-144618-1	R2203594-004
Date Sampled			11/21/2013	9/8/2014	3/12/2015	5/21/2015	8/18/2015	10/30/2018	10/30/2018	4/20/2022	9/8/2014	3/12/2015	5/21/2015	8/17/2015	11/1/2018	4/20/2022
Total Iron	mg/L	Not Applicable	--	3.3	1.3	2.08	7.58	5.5 B	5 B	8.99	6.76	5.73	9.27	9.64	27.8 B	10.7
Dissolved Iron	mg/L		--	ND	ND	ND	ND	0.019 J	0.02 J	6.53	0.191	ND	5.17	7.9	0.025 J	5.3
Sulfate	mg/L		--	120	622	2000	930	130	131	153	29	66.2	37	5.3	439	180
Total Organic Carbon	mg/L		--	9.71	11.3	21	11	6.4	6.5	6 J	13.9	9.4	9.1	9.3	10.8	6

APPENDIX 1

Groundwater Sample Logs

LaBella
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Project Name:	99 Marsh Road
Location:	East Rochester
Project No.:	2222082
Sampled By:	E. Spirito
Date:	4/20/2022
Weather:	45°F, Sunny, no precipitation

WELL I.D.: MW-10

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	9.0’
Depth of Well:	18.6’	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	16’
Pump Type:	Peristaltic	Tubing Type:	HDPE
Sample Analysis:		Sample Time:	10:00
Purge Start Time:	09:30	Purge End Time:	10:00

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Static Water Level	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Alkalinity (mg/l)	Iron (II) (mg/l)	Comments
		<0.3 ft	+/- 0.1	<0.3	+/- 3%	< 50	+ 10%	+/- 10 mV	Hach test kit	Hach test kit	
09:30	65	9.0	7.60	11.3	3.132	301.28	8.67	319.2			
09:35			7.71	11.3	3.170	100.58	8.55	319.4			
09:40			7.74	11.7	3.163	97.91	8.51	318.4			
09:45			7.73	11.3	3.128	81.39	8.48	318.3			
09:50			7.75	11.2	3.197	36.35	8.54	319.1			
09:55			7.73	11.3	3.212	22.96	8.53	319.4			
10:00	65		7.73	11.1	3.243	20.88	8.50	319.9			

Total 0.5 Gallons Purged

OBSERVATIONS

LaBella
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Project Name: 99 Marsh Road
Location: East Rochester
Project No.: 2222082
Sampled By: E. Spirito
Date: 4/20/2022
Weather: 45°F, Sunny, no precipitation

WELL I.D.: MW-11

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	10.02'
Depth of Well:	28.9'	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	26'
Pump Type:	Peristaltic	Tubing Type:	HDPE
Sample Analysis:	**PFAS, 1,4 Dioxane**	Sample Time:	11:00
Purge Start Time:	10:30	Purge End Time:	11:00

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Static Water Level	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Alkalinity (mg/l)	Iron (II) (mg/l)	Comments
		<0.3 ft	+/- 0.1	<0.3	+/- 3%	< 50	+ 10%	+/- 10 mV	Hach test kit	Hach test kit	
10:30	30	10.02	7.92	11.0	0.803	119.03	7.02	186.5			
10:35			7.68	11.0	0.844	120.66	3.08	184.5			
10:40			7.60	10.9	0.875	86.40	2.13	186.4			Clear
10:45		11.25	7.58	10.3	0.874	45.63	1.81	187.7			No odor
10:50			7.57	10.4	0.881	40.60	1.69	188.9			
10:55			7.54	10.8	0.923	33.58	1.66	190.8			
11:00	30	11.22	7.55	10.8	0.929	33.50	1.72	191.1			

Total 0.25 Gallons Purged

OBSERVATIONS

MS/MSD PFAS + 1,4 Dioxane collected
Dupe-01 (PFAS + 1,4 Dioxane) collected

LaBella
Powered by partnership.

Project Name:	99 Marsh Road
Location:	East Rochester
Project No.:	2222082
Sampled By:	E. Spirito
Date:	4/20/2022
Weather:	45°F, Sunny, no precipitation

WELL I.D.: GP-09

WELL SAMPLING INFORMATION

Well Diameter:	1”	Static Water Level:	12.09
Depth of Well:	29.50’	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	27’
Pump Type:	Peristaltic	Tubing Type:	HDPE
Sample Analysis:	**ALL**	Sample Time:	12:40
Purge Start Time:	12:05	Purge End Time:	12:40

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Static Water Level	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Alkalinity (mg/l)	Iron (II) (mg/l)	Comments
		<0.3 ft	+/- 0.1	<0.3	+/- 3%	< 50	+ 10%	+/- 10 mV	Hach test kit	Hach test kit	
12:05	55	12.09	7.15	12.8	4.406	337.69	1.79	6.2			
12:10			7.23	13.0	3.312	233.50	1.01	-53.3			
12:15			7.15	12.7	3.820	66.56	0.87	-78.4			
12:20			7.24	12.2	3.449	67.33	0.84	-89.4			
12:25			7.27	12.4	2.453	50.36	0.78	-104.0			
12:30			7.28	12.4	2.078	30.04	0.77	-113.7			
12:35			7.29	12.4	2.057	31.88	0.77	-116.2			
12:40	55		7.28	12.8	1.917	18.47	0.75	-120.2			

Total 0.5 Gallons Purged

OBSERVATIONS

LaBella
Powered by partnership.

Project Name:	99 Marsh Road
Location:	East Rochester
Project No.:	2222082
Sampled By:	E. Spirito
Date:	4/20/2022
Weather:	45°F, Sunny, no precipitation

WELL I.D.: MW-102

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	10.90’
Depth of Well:	27.25’	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	25’
Pump Type:	Peristaltic	Tubing Type:	HDPE
Sample Analysis:		Sample Time:	14:10
Purge Start Time:	13:35	Purge End Time:	14:10

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Static Water Level	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/l)	Redox (mV)	Alkalinity (mg/l)	Iron (II) (mg/l)	Comments
		<0.3 ft	+/- 0.1	<0.3	+/- 3%	< 50	+ 10%	+/- 10 mV	Hach test kit	Hach test kit	
13:35	55	10.90	6.95	13.0	1.962	28.97	0.75	-42.2			
13:40			6.96	12.6	1.956	24.41	0.70	-54.4			
13:45			6.96	12.8	1.957	24.23	0.69	-58.4			
13:50			6.98	14.0	1.949	18.04	0.64	-71.7			
13:55			6.98	14.0	1.952	17.45	0.64	-72.2			
14:00			6.99	14.4	1.953	15.61	0.61	-80.0			
14:05			6.99	14.4	1.957	15.34	0.61	-80.2			
14:10	55	11.95	7.00	13.4	1.944	10.76	0.61	-83.1			

Total 0.5 Gallons Purged

OBSERVATIONS

VOC Dupe-02 collected
MS/MSD for VOCs collected
Dark, black color specs in water, odor present

APPENDIX 2

Laboratory Analytical Reports

June 23, 2022 Service Request No:R2203594

Alex Brett
Labella Associates, PC
300 State Street, 2nd Floor
Rochester, NY 14614

Laboratory Results for: 99 Marsh Road

Dear Alex,

Enclosed are the results of the sample(s) submitted to our laboratory April 21, 2022
For your reference, these analyses have been assigned our service request number **R2203594.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Labella Associates, PC
Project: 99 Marsh Road
Sample Matrix: Water

Service Request: R2203594
Date Received: 04/21/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Ten water samples were received for analysis at ALS Environmental on 04/21/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 05/01/2022: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, R2203594-002, 009: Sample(s) required dilution due to the foaming nature of the matrix. The reporting limits are adjusted to reflect the dilution.

Method 8260C, 05/01/2022: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/01/2022: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Approved by _____ Date 06/23/2022

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Labella Associates, PC **Service Request:**R2203594
Project: 99 Marsh Road/2222082

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2203594-001	MW-11-20220420	4/20/2022	1100
R2203594-002	GP-09-20220420	4/20/2022	1240
R2203594-003	GP-09-20220420 Diss	4/20/2022	1240
R2203594-004	MW-102-20220420	4/20/2022	1410
R2203594-005	MW-102-20220420 Diss	4/20/2022	1410
R2203594-006	MW-10-20220420	4/20/2022	1000
R2203594-008	Dupe-01-20220420	4/20/2022	
R2203594-009	Dupe-02-20220421	4/21/2022	
R2203594-010	Trip Blank-20220420	4/20/2022	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 063416

ALS

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: 99 Marsh Road
Project Number: 2222082
Project Manager: Alex Brett
Report CC:
Company/Address: LaBella Associates, 300 State Street, Suite 201, Rochester, NY 14614 ABrett@labellapc.com
Phone #: 585-454-6110
Email: espirito@labellapc.com
Sampler's Signature: Emily e Spirito
Sampler's Printed Name: Emma Spirito

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative Key: 0. NONE 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ____

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○8260 ○624 ○CLP TCL+CP-51 VOCs	TOC 9060A	Dissolved Iron 6010 (filtered)	Total Iron 6010C	Sulfate Method 300	PFAS 537.1	1,4 Dioxane 8270 Selective Ion monitoring	REMARKS/ ALTERNATE DESCRIPTION
MW-11-20220420		4/20/22	11:00	GW	12						X	X	PFAS/1-4 dioxane ms/msd collected here
GP-09-20220420		4/20/22	12:40	GW	13	X	X	X	X	X	X	X	Fe filtered in field
MW-102-20220420		4/20/22	14:10	GW	9	X	X	X	X	X			Fe filtered in field ms/msd VOCs
MW-10-20220421		4/21/22	10:00	GW	4						X	X	
Equipment-Blank-20220420		4/20/22	09:40	GW	1						X		
Dupe-01-20220420		4/20/22	—	GW	4						X	X	PFAS, 1-4 Dioxane duplicate
Dupe-02-20220421		4/21/22	—	GW	3	X							VOCs duplicate
TripBlank-20220420		4/11/22	13:40	GW	3	X							

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED NY

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 1 day ___ 2 day ___ 3 day
___ 4 day ___ 5 day
X Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE ________

REPORT REQUIREMENTS
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
X IV. Data Validation Report with Raw Data
ASP CAT B
Edata X Yes ___ No

INVOICE INFORMATION
PO #
BILL TO: LaBella Accounts Payable

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Emily e Spirito	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Emma Spirito	Printed Name: Matthew Marley	Printed Name	Printed Name	Printed Name	Printed Name
Firm: LaBella	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 4/21/22 10:45	Date/Time: 4/21/22 10:45	Date/Time	Date/Time	Date/Time	Date/Time

R2203594 5
LaBella Associates, PC
99 Marsh Road

Distribution: White - Lab Copy; Yellow - Return to Originator

R2203594 5
Labella Associates, PC
99 Marsh Road

Cooler Receipt and Preservation Check Form

Project/Client Labella Folder Number

Cooler received on 4/21/22 by: C

COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) (CLIENT)
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 4/21/22 Time: ~~1410~~ 1055 ID: IR#7 (IR#11) From: Temp Blank (Sample Bottle)

Observed Temp (°C)	1.9						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by C on 4/21/22 at 1100
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 4/22/22 Time: 10:30 by: RE

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) (NO)*
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	223419	HNO_3	X		20210604-04	09/23				
≤2		H_2SO_4			2HL0027					
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	No lot info					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 22402-03, 80121-06, 9-315-001, 80237-C2766, 2631-1

Explain all Discrepancies/ Other Comments:

* Different plastic 250ml bottles used for PFAS for locations 006, and 009.

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RE
PC Secondary Review: MMS 4/25/22

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Internal Chain of Custody Report

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2203594-001.01					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-001.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.04					
		4/22/2022	1030	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.05					
		4/22/2022	1030	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.06					
		4/22/2022	1030	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.07					
		4/22/2022	1030	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-001.08					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-001.09					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-001.10					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2203594-001.11					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-001.12					
	8270D SIM				
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-002.01					
	8260C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
		5/1/2022	1131	In Lab / KRUEST	
		5/1/2022	1250	R-001-S12 / KRUEST	
R2203594-002.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-002.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-002.04					
	300.0				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1243	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-002.06					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-002.07					
	6010C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-A01 / GESMERIAN	
		4/25/2022	1337	In Lab / CDISTEFANO	
		4/25/2022	1341	In Lab / CDISTEFANO	
		4/25/2022	1349	R-A01 / CDISTEFANO	
R2203594-002.08					

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-002.09					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-002.10					
	9060A				
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-002.11					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-002.12					
		4/22/2022	1031	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-002.13					
	8270D SIM				
		4/22/2022	1049	SMO / GESMERIAN	
		4/22/2022	1049	R-002 / GESMERIAN	
R2203594-003.01					
	6010C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-A01 / GESMERIAN	
		4/25/2022	1337	In Lab / CDISTEFANO	
		4/25/2022	1342	In Lab / CDISTEFANO	
		4/25/2022	1349	R-A01 / CDISTEFANO	
R2203594-004.01					
	8260C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
		5/1/2022	1131	In Lab / KRUEST	

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C				
		5/1/2022	1250	R-001-S12 / KRUEST	
R2203594-004.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.04					
	300.0				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1243	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-004.07					
	6010C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-A01 / GESMERIAN	
		4/25/2022	1337	In Lab / CDISTEFANO	
		4/25/2022	1342	In Lab / CDISTEFANO	
		4/25/2022	1349	R-A01 / CDISTEFANO	
R2203594-004.08					
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.09					
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.10					
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.11					
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.12					

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.13					
		4/22/2022	1032	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-004.14					
	9060A				
		4/22/2022	1036	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-004.15					
		4/22/2022	1036	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-004.16					
		4/22/2022	1036	SMO / GESMERIAN	
		4/22/2022	1241	R-014 / GESMERIAN	
		4/22/2022	1242	RT000757 / GESMERIAN	
		5/6/2022	1609	R-002 / GESMERIAN	
R2203594-005.01					
	6010C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-A01 / GESMERIAN	
		4/25/2022	1337	In Lab / CDISTEFANO	
		4/25/2022	1342	In Lab / CDISTEFANO	
		4/25/2022	1349	R-A01 / CDISTEFANO	
R2203594-006.01					
	8270D SIM				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-006.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-006.03					

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-006.04					
		4/22/2022	1037	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-007.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-007.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-008.01					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-008.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-008.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	SUBBED / GESMERIAN	
R2203594-008.04					
	8270D SIM				
		4/22/2022	1037	SMO / GESMERIAN	
		4/22/2022	1038	R-002 / GESMERIAN	
R2203594-009.01					
	8260C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
		5/1/2022	1131	In Lab / KRUEST	
		5/1/2022	1250	R-001-S12 / KRUEST	
R2203594-009.02					
		4/22/2022	1028	SMO / GESMERIAN	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-009.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-010.01					
	8260C				
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
		5/1/2022	1131	In Lab / KRUEST	
		5/1/2022	1250	R-001-S12 / KRUEST	
R2203594-010.02					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	
R2203594-010.03					
		4/22/2022	1028	SMO / GESMERIAN	
		4/22/2022	1038	R-001 / GESMERIAN	

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request: R2203594

Sample Name: MW-11-20220420
Lab Code: R2203594-001
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
8270D SIM	MMCMAHON	MMCMAHON

Sample Name: GP-09-20220420
Lab Code: R2203594-002
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
8270D SIM	MMCMAHON	MMCMAHON
9060A		SMEDBURY

Sample Name: GP-09-20220420 Diss
Lab Code: R2203594-003
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: MW-102-20220420
Lab Code: R2203594-004
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
300.0		SMORGAN
6010C	BDIAMOND	KMCLAEN
8260C		KRUEST
9060A		SMEDBURY

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request: R2203594

Sample Name: MW-102-20220420 Diss
Lab Code: R2203594-005
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
6010C	BDIAMOND	KMCLAEN

Sample Name: MW-10-20220420
Lab Code: R2203594-006
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
8270D SIM	MMCMAHON	MMCMAHON

Sample Name: Dupe-01-20220420
Lab Code: R2203594-008
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
8270D SIM	MMCMAHON	MMCMAHON

Sample Name: Dupe-02-20220421
Lab Code: R2203594-009
Sample Matrix: Water

Date Collected: 04/21/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: Trip Blank-20220420
Lab Code: R2203594-010
Sample Matrix: Water

Date Collected: 04/20/22
Date Received: 04/21/22

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2,2-Tetrachloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2-Trichloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.0	5	05/01/22 14:18	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.0	5	05/01/22 14:18	
1,2,3-Trichlorobenzene	ND U	5.0	1.3	5	05/01/22 14:18	
1,2,4-Trichlorobenzene	ND U	5.0	1.7	5	05/01/22 14:18	
1,2,4-Trimethylbenzene	**5.9**	5.0	1.0	5	05/01/22 14:18	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	10	2.3	5	05/01/22 14:18	
1,2-Dibromoethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,2-Dichlorobenzene	**57**	5.0	1.0	5	05/01/22 14:18	
1,2-Dichloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,2-Dichloropropane	ND U	5.0	1.0	5	05/01/22 14:18	
1,3,5-Trimethylbenzene	**1.7 J**	5.0	1.0	5	05/01/22 14:18	
1,3-Dichlorobenzene	ND U	5.0	1.0	5	05/01/22 14:18	
1,4-Dichlorobenzene	**4.5 J**	5.0	1.0	5	05/01/22 14:18	
1,4-Dioxane	ND U	200	65	5	05/01/22 14:18	
2-Butanone (MEK)	ND U	25	3.9	5	05/01/22 14:18	
2-Hexanone	ND U	25	1.0	5	05/01/22 14:18	
4-Isopropyltoluene	ND U	5.0	1.0	5	05/01/22 14:18	
4-Methyl-2-pentanone	ND U	25	1.0	5	05/01/22 14:18	
Acetone	ND U	25	25	5	05/01/22 14:18	
Benzene	ND U	5.0	1.0	5	05/01/22 14:18	
Bromochloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Bromodichloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Bromoform	ND U	5.0	1.3	5	05/01/22 14:18	
Bromomethane	ND U	5.0	3.5	5	05/01/22 14:18	
Carbon Disulfide	ND U	5.0	2.1	5	05/01/22 14:18	
Carbon Tetrachloride	ND U	5.0	1.7	5	05/01/22 14:18	
Chlorobenzene	ND U	5.0	1.0	5	05/01/22 14:18	
Chloroethane	ND U	5.0	1.2	5	05/01/22 14:18	
Chloroform	**2.5 J**	5.0	1.2	5	05/01/22 14:18	
Chloromethane	ND U	5.0	1.4	5	05/01/22 14:18	
Cyclohexane	ND U	5.0	1.3	5	05/01/22 14:18	
Dibromochloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.1	5	05/01/22 14:18	
Dichloromethane	ND U	5.0	3.3	5	05/01/22 14:18	
Ethylbenzene	**2.2 J**	5.0	1.0	5	05/01/22 14:18	
Isopropylbenzene (Cumene)	**1.1 J**	5.0	1.0	5	05/01/22 14:18	
Methyl Acetate	ND U	10	1.7	5	05/01/22 14:18	
Methyl tert-Butyl Ether	ND U	5.0	1.0	5	05/01/22 14:18	
Methylcyclohexane	ND U	5.0	1.0	5	05/01/22 14:18	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**12**	5.0	2.8	5	05/01/22 14:18	
Styrene	ND U	5.0	1.0	5	05/01/22 14:18	
Tetrachloroethene (PCE)	ND U	5.0	1.1	5	05/01/22 14:18	
Toluene	ND U	5.0	1.0	5	05/01/22 14:18	
Trichloroethene (TCE)	ND U	5.0	1.0	5	05/01/22 14:18	
Trichlorofluoromethane (CFC 11)	ND U	5.0	1.2	5	05/01/22 14:18	
Vinyl Chloride	ND U	5.0	1.0	5	05/01/22 14:18	
cis-1,2-Dichloroethene	ND U	5.0	1.2	5	05/01/22 14:18	
cis-1,3-Dichloropropene	ND U	5.0	1.0	5	05/01/22 14:18	
m,p-Xylenes	**2.4 J**	10	1.0	5	05/01/22 14:18	
n-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
n-Propylbenzene	**1.6 J**	5.0	1.0	5	05/01/22 14:18	
o-Xylene	**1.8 J**	5.0	1.0	5	05/01/22 14:18	
sec-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
tert-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
trans-1,2-Dichloroethene	ND U	5.0	1.0	5	05/01/22 14:18	
trans-1,3-Dichloropropene	ND U	5.0	1.2	5	05/01/22 14:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	05/01/22 14:18	
Dibromofluoromethane	106	80 - 116	05/01/22 14:18	
Toluene-d8	98	87 - 121	05/01/22 14:18	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 13:56	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 13:56	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 13:56	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 13:56	
1,2,4-Trimethylbenzene	**1.2**	1.0	0.20	1	05/01/22 13:56	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 13:56	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,2-Dichlorobenzene	**41**	1.0	0.20	1	05/01/22 13:56	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 13:56	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:56	
1,3-Dichlorobenzene	**0.34 J**	1.0	0.20	1	05/01/22 13:56	
1,4-Dichlorobenzene	**4.0**	1.0	0.20	1	05/01/22 13:56	
1,4-Dioxane	ND U	40	13	1	05/01/22 13:56	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 13:56	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 13:56	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 13:56	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 13:56	
Acetone	ND U	5.0	5.0	1	05/01/22 13:56	
Benzene	ND U	1.0	0.20	1	05/01/22 13:56	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Bromoform	ND U	1.0	0.25	1	05/01/22 13:56	
Bromomethane	ND U	1.0	0.70	1	05/01/22 13:56	
Carbon Disulfide	**3.3**	1.0	0.42	1	05/01/22 13:56	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 13:56	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 13:56	
Chloroethane	ND U	1.0	0.23	1	05/01/22 13:56	
Chloroform	ND U	1.0	0.24	1	05/01/22 13:56	
Chloromethane	ND U	1.0	0.28	1	05/01/22 13:56	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 13:56	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 13:56	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 13:56	
Ethylbenzene	**0.66 J**	1.0	0.20	1	05/01/22 13:56	
Isopropylbenzene (Cumene)	**0.40 J**	1.0	0.20	1	05/01/22 13:56	
Methyl Acetate	ND U	2.0	0.33	1	05/01/22 13:56	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 13:56	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 13:56	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**11**	1.0	0.55	1	05/01/22 13:56	
Styrene	ND U	1.0	0.20	1	05/01/22 13:56	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 13:56	
Toluene	ND U	1.0	0.20	1	05/01/22 13:56	
Trichloroethene (TCE)	**0.34 J**	1.0	0.20	1	05/01/22 13:56	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 13:56	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 13:56	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 13:56	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 13:56	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 13:56	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:56	
n-Propylbenzene	**0.56 J**	1.0	0.20	1	05/01/22 13:56	
o-Xylene	ND U	1.0	0.20	1	05/01/22 13:56	
sec-Butylbenzene	**0.46 J**	1.0	0.20	1	05/01/22 13:56	
tert-Butylbenzene	**0.35 J**	1.0	0.20	1	05/01/22 13:56	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 13:56	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 13:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	05/01/22 13:56	
Dibromofluoromethane	108	80 - 116	05/01/22 13:56	
Toluene-d8	100	87 - 121	05/01/22 13:56	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/21/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-02-20220421	**Units:**	ug/L
Lab Code:	R2203594-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2,2-Tetrachloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2-Trichloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.0	5	05/01/22 14:40	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.0	5	05/01/22 14:40	
1,2,3-Trichlorobenzene	ND U	5.0	1.3	5	05/01/22 14:40	
1,2,4-Trichlorobenzene	ND U	5.0	1.7	5	05/01/22 14:40	
1,2,4-Trimethylbenzene	**1.1 J**	5.0	1.0	5	05/01/22 14:40	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	10	2.3	5	05/01/22 14:40	
1,2-Dibromoethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,2-Dichlorobenzene	**36**	5.0	1.0	5	05/01/22 14:40	
1,2-Dichloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,2-Dichloropropane	ND U	5.0	1.0	5	05/01/22 14:40	
1,3,5-Trimethylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
1,3-Dichlorobenzene	ND U	5.0	1.0	5	05/01/22 14:40	
1,4-Dichlorobenzene	**4.4 J**	5.0	1.0	5	05/01/22 14:40	
1,4-Dioxane	ND U	200	65	5	05/01/22 14:40	
2-Butanone (MEK)	ND U	25	3.9	5	05/01/22 14:40	
2-Hexanone	ND U	25	1.0	5	05/01/22 14:40	
4-Isopropyltoluene	ND U	5.0	1.0	5	05/01/22 14:40	
4-Methyl-2-pentanone	ND U	25	1.0	5	05/01/22 14:40	
Acetone	ND U	25	25	5	05/01/22 14:40	
Benzene	ND U	5.0	1.0	5	05/01/22 14:40	
Bromochloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Bromodichloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Bromoform	ND U	5.0	1.3	5	05/01/22 14:40	
Bromomethane	ND U	5.0	3.5	5	05/01/22 14:40	
Carbon Disulfide	ND U	5.0	2.1	5	05/01/22 14:40	
Carbon Tetrachloride	ND U	5.0	1.7	5	05/01/22 14:40	
Chlorobenzene	ND U	5.0	1.0	5	05/01/22 14:40	
Chloroethane	ND U	5.0	1.2	5	05/01/22 14:40	
Chloroform	ND U	5.0	1.2	5	05/01/22 14:40	
Chloromethane	ND U	5.0	1.4	5	05/01/22 14:40	
Cyclohexane	ND U	5.0	1.3	5	05/01/22 14:40	
Dibromochloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.1	5	05/01/22 14:40	
Dichloromethane	ND U	5.0	3.3	5	05/01/22 14:40	
Ethylbenzene	**1.1 J**	5.0	1.0	5	05/01/22 14:40	
Isopropylbenzene (Cumene)	ND U	5.0	1.0	5	05/01/22 14:40	
Methyl Acetate	ND U	10	1.7	5	05/01/22 14:40	
Methyl tert-Butyl Ether	ND U	5.0	1.0	5	05/01/22 14:40	
Methylcyclohexane	ND U	5.0	1.0	5	05/01/22 14:40	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/21/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-02-20220421	**Units:**	ug/L
Lab Code:	R2203594-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**9.9**	5.0	2.8	5	05/01/22 14:40	
Styrene	ND U	5.0	1.0	5	05/01/22 14:40	
Tetrachloroethene (PCE)	ND U	5.0	1.1	5	05/01/22 14:40	
Toluene	ND U	5.0	1.0	5	05/01/22 14:40	
Trichloroethene (TCE)	ND U	5.0	1.0	5	05/01/22 14:40	
Trichlorofluoromethane (CFC 11)	ND U	5.0	1.2	5	05/01/22 14:40	
Vinyl Chloride	ND U	5.0	1.0	5	05/01/22 14:40	
cis-1,2-Dichloroethene	ND U	5.0	1.2	5	05/01/22 14:40	
cis-1,3-Dichloropropene	ND U	5.0	1.0	5	05/01/22 14:40	
m,p-Xylenes	ND U	10	1.0	5	05/01/22 14:40	
n-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
n-Propylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
o-Xylene	ND U	5.0	1.0	5	05/01/22 14:40	
sec-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
tert-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
trans-1,2-Dichloroethene	ND U	5.0	1.0	5	05/01/22 14:40	
trans-1,3-Dichloropropene	ND U	5.0	1.2	5	05/01/22 14:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/01/22 14:40	
Dibromofluoromethane	103	80 - 116	05/01/22 14:40	
Toluene-d8	100	87 - 121	05/01/22 14:40	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Trip Blank-20220420	**Units:**	ug/L
Lab Code:	R2203594-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 13:35	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 13:35	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 13:35	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 13:35	
1,2,4-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 13:35	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 13:35	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,3-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,4-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,4-Dioxane	ND U	40	13	1	05/01/22 13:35	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 13:35	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 13:35	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 13:35	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 13:35	
Acetone	ND U	5.0	5.0	1	05/01/22 13:35	
Benzene	ND U	1.0	0.20	1	05/01/22 13:35	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Bromoform	ND U	1.0	0.25	1	05/01/22 13:35	
Bromomethane	ND U	1.0	0.70	1	05/01/22 13:35	
Carbon Disulfide	ND U	1.0	0.42	1	05/01/22 13:35	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 13:35	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
Chloroethane	ND U	1.0	0.23	1	05/01/22 13:35	
Chloroform	ND U	1.0	0.24	1	05/01/22 13:35	
Chloromethane	ND U	1.0	0.28	1	05/01/22 13:35	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 13:35	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 13:35	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 13:35	
Ethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
Isopropylbenzene (Cumene)	ND U	1.0	0.20	1	05/01/22 13:35	
Methyl Acetate	**0.71 J**	2.0	0.33	1	05/01/22 13:35	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 13:35	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 13:35	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Trip Blank-20220420	**Units:**	ug/L
Lab Code:	R2203594-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	ND U	1.0	0.55	1	05/01/22 13:35	
Styrene	ND U	1.0	0.20	1	05/01/22 13:35	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 13:35	
Toluene	ND U	1.0	0.20	1	05/01/22 13:35	
Trichloroethene (TCE)	ND U	1.0	0.20	1	05/01/22 13:35	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 13:35	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 13:35	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 13:35	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 13:35	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 13:35	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
n-Propylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
o-Xylene	ND U	1.0	0.20	1	05/01/22 13:35	
sec-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
tert-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 13:35	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 13:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/01/22 13:35	
Dibromofluoromethane	104	80 - 116	05/01/22 13:35	
Toluene-d8	99	87 - 121	05/01/22 13:35	

Semivolatile Organic Compounds by GC/MS

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Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 11:00
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-11-20220420	**Units:**	ug/L
Lab Code:	R2203594-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 20:57	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	91	64 - 124	04/25/22 20:57	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.84**	0.040	0.027	1	04/25/22 21:47	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	96	64 - 124	04/25/22 21:47	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 10:00
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-10-20220420	**Units:**	ug/L
Lab Code:	R2203594-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 22:04	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	90	64 - 124	04/25/22 22:04	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-01-20220420	**Units:**	ug/L
Lab Code:	R2203594-008	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 22:22	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	93	64 - 124	04/25/22 22:22	

Metals

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METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: **GP-09-20220420** **Lab Code:** **R2203594-002**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	**6010C**	**100**	**61.0**	**1.0**	**8990**		

% Solids: **0.0**

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: **GP-09-20220420 Diss** **Lab Code:** **R2203594-003**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	**6010C**	**100**	**61.0**	**1.0**	**6530**		

% Solids: **0.0**

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: **MW-102-20220420** **Lab Code:** **R2203594-004**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	**6010C**	**100**	**61.0**	**1.0**	**10700**		

% Solids: **0.0**

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: **MW-102-20220420 Diss** **Lab Code:** **R2203594-005**

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	**6010C**	**100**	**61.0**	**1.0**	**5300**		

% Solids: **0.0**

Comments:

General Chemistry

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Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Basis:**	NA
Lab Code:	R2203594-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 00:23	
Carbon, Total Organic (TOC)	9060A	**6.0**	mg/L	1.0	0.5	1	05/01/22 00:21	
Carbon, Total Organic (TOC)	9060A	**5.5**	mg/L	1.0	0.5	1	05/01/22 00:16	
Carbon, Total Organic (TOC)	9060A	**5.8**	mg/L	1.0	0.5	1	05/01/22 00:18	
Sulfate	300.0	**153**	mg/L	6.0	1.2	30	05/03/22 08:58	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Basis:**	NA
Lab Code:	R2203594-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	**6.0**	mg/L	1.0	0.5	1	05/01/22 01:09	
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 01:06	
Carbon, Total Organic (TOC)	9060A	**5.7**	mg/L	1.0	0.5	1	05/01/22 01:04	
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 01:11	
Sulfate	300.0	**180**	mg/L	6.0	1.2	30	05/03/22 09:04	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
GP-09-20220420	R2203594-002	103	106	98
MW-102-20220420	R2203594-004	101	108	100
Dupe-02-20220421	R2203594-009	98	103	100
Trip Blank-20220420	R2203594-010	98	104	99
Method Blank	RQ2204696-08	100	105	101
Lab Control Sample	RQ2204696-07	102	106	99
MW-102-20220420 MS	RQ2204696-09	100	107	101
MW-102-20220420 DMS	RQ2204696-10	100	108	102

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	05/1/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2204696-09			RQ2204696-10					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	ND U	55.5	50.0	111	59.3	50.0	119	74-127	7	30
1,1,2,2-Tetrachloroethane	ND U	44.3	50.0	89	47.0	50.0	94	72-122	6	30
1,1,2-Trichloroethane	ND U	45.2	50.0	90	47.2	50.0	94	82-121	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	51.0	50.0	102	52.6	50.0	105	50-147	3	30
1,1-Dichloroethane (1,1-DCA)	ND U	50.9	50.0	102	54.8	50.0	110	74-132	8	30
1,1-Dichloroethene (1,1-DCE)	ND U	51.8	50.0	104	53.9	50.0	108	71-118	4	30
1,2,3-Trichlorobenzene	ND U	47.7	50.0	95	48.8	50.0	98	59-129	2	30
1,2,4-Trichlorobenzene	ND U	48.2	50.0	96	50.6	50.0	101	69-122	5	30
1,2,4-Trimethylbenzene	1.2	48.9	50.0	95	51.7	50.0	101	73-133	6	30
1,2-Dibromo-3-chloropropane (DBCP)	ND U	50.1	50.0	100	55.9	50.0	112	37-150	11	30
1,2-Dibromoethane	ND U	45.3	50.0	91	46.2	50.0	92	67-127	2	30
1,2-Dichlorobenzene	41	85.0	50.0	87	87.7	50.0	93	77-120	3	30
1,2-Dichloroethane	ND U	50.3	50.0	101	51.3	50.0	103	68-130	2	30
1,2-Dichloropropane	ND U	43.8	50.0	88	46.9	50.0	94	79-124	7	30
1,3,5-Trimethylbenzene	ND U	48.4	50.0	97	51.9	50.0	104	81-131	7	30
1,3-Dichlorobenzene	0.34 J	45.2	50.0	90	47.6	50.0	95	83-121	5	30
1,4-Dichlorobenzene	4.0	48.9	50.0	90	51.8	50.0	96	82-120	6	30
1,4-Dioxane	ND U	948	1000	95	893	1000	89	44-154	6	30
2-Butanone (MEK)	ND U	42.4	50.0	85	42.7	50.0	85	61-137	<1	30
2-Hexanone	ND U	43.6	50.0	87	45.1	50.0	90	56-132	3	30
4-Isopropyltoluene	ND U	47.7	50.0	95	50.8	50.0	102	78-133	6	30
4-Methyl-2-pentanone	ND U	46.0	50.0	92	47.9	50.0	96	60-141	4	30
Acetone	ND U	54.8	50.0	110	56.7	50.0	113	35-183	3	30
Benzene	ND U	48.3	50.0	97	49.5	50.0	99	76-129	2	30
Bromochloromethane	ND U	47.8	50.0	96	48.5	50.0	97	80-122	1	30
Bromodichloromethane	ND U	50.3	50.0	101	54.7	50.0	109	78-133	8	30
Bromoform	ND U	55.2	50.0	110	62.2	50.0	124	58-133	12	30
Bromomethane	ND U	32.7	50.0	65	37.4	50.0	75	10-184	13	30
Carbon Disulfide	3.3	48.6	50.0	91	50.9	50.0	95	59-140	5	30
Carbon Tetrachloride	ND U	56.1	50.0	112	59.7	50.0	119	65-135	6	30
Chlorobenzene	ND U	48.4	50.0	97	48.5	50.0	97	76-125	<1	30
Chloroethane	ND U	63.1	50.0	126	61.0	50.0	122	48-146	3	30
Chloroform	ND U	50.7	50.0	101	52.1	50.0	104	75-130	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	05/1/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2204696-09			RQ2204696-10					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	ND U	65.2	50.0	130	64.3	50.0	129	55-160	1	30
Cyclohexane	ND U	46.9	50.0	94	47.3	50.0	95	52-145	<1	30
Dibromochloromethane	ND U	57.4	50.0	115	62.2	50.0	124	72-128	8	30
Dichlorodifluoromethane (CFC 12)	ND U	55.5	50.0	111	57.7	50.0	115	49-154	4	30
Dichloromethane	ND U	53.3	50.0	107	53.4	50.0	107	73-122	<1	30
Ethylbenzene	0.66 J	52.6	50.0	104	52.7	50.0	104	72-134	<1	30
Isopropylbenzene (Cumene)	0.40 J	53.1	50.0	105	55.3	50.0	110	77-128	4	30
Methyl Acetate	ND U	35.5	50.0	71	35.7	50.0	71	26-121	<1	30
Methyl tert-Butyl Ether	ND U	49.4	50.0	99	50.8	50.0	102	75-119	3	30
Methylcyclohexane	ND U	48.3	50.0	97	47.3	50.0	95	45-146	2	30
Naphthalene	11	61.0	50.0	100	63.9	50.0	105	57-153	5	30
Styrene	ND U	49.6	50.0	99	49.9	50.0	100	74-136	<1	30
Tetrachloroethene (PCE)	ND U	47.7	50.0	95	48.4	50.0	97	72-125	1	30
Toluene	ND U	49.8	50.0	100	51.2	50.0	102	79-119	3	30
Trichloroethene (TCE)	0.34 J	47.0	50.0	93	48.6	50.0	97	74-122	3	30
Trichlorofluoromethane (CFC 11)	ND U	59.0	50.0	118	62.0	50.0	124	71-136	5	30
Vinyl Chloride	ND U	59.8	50.0	120	61.0	50.0	122	74-159	2	30
cis-1,2-Dichloroethene	ND U	52.4	50.0	105	52.6	50.0	105	77-127	<1	30
cis-1,3-Dichloropropene	ND U	44.4	50.0	89	47.8	50.0	96	52-134	7	30
m,p-Xylenes	ND U	100	100	100	101	100	101	80-126	<1	30
n-Butylbenzene	ND U	47.5	50.0	95	50.6	50.0	101	78-133	6	30
n-Propylbenzene	0.56 J	50.6	50.0	100	53.4	50.0	106	78-131	5	30
o-Xylene	ND U	50.3	50.0	101	50.3	50.0	101	79-123	<1	30
sec-Butylbenzene	0.46 J	49.7	50.0	99	52.2	50.0	104	75-129	5	30
tert-Butylbenzene	0.35 J	50.9	50.0	101	52.4	50.0	104	68-127	3	30
trans-1,2-Dichloroethene	ND U	50.3	50.0	101	53.4	50.0	107	73-118	6	30
trans-1,3-Dichloropropene	ND U	41.9	50.0	84	44.5	50.0	89	71-133	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204696-08	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 12:07	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 12:07	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 12:07	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 12:07	
1,2,4-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 12:07	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 12:07	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,3-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,4-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,4-Dioxane	ND U	40	13	1	05/01/22 12:07	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 12:07	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 12:07	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 12:07	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 12:07	
Acetone	ND U	5.0	5.0	1	05/01/22 12:07	
Benzene	ND U	1.0	0.20	1	05/01/22 12:07	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Bromoform	ND U	1.0	0.25	1	05/01/22 12:07	
Bromomethane	ND U	1.0	0.70	1	05/01/22 12:07	
Carbon Disulfide	ND U	1.0	0.42	1	05/01/22 12:07	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 12:07	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
Chloroethane	ND U	1.0	0.23	1	05/01/22 12:07	
Chloroform	ND U	1.0	0.24	1	05/01/22 12:07	
Chloromethane	ND U	1.0	0.28	1	05/01/22 12:07	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 12:07	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 12:07	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 12:07	
Ethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
Isopropylbenzene (Cumene)	ND U	1.0	0.20	1	05/01/22 12:07	
Methyl Acetate	ND U	2.0	0.33	1	05/01/22 12:07	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 12:07	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 12:07	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204696-08	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	ND U	1.0	0.55	1	05/01/22 12:07	
Styrene	ND U	1.0	0.20	1	05/01/22 12:07	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 12:07	
Toluene	ND U	1.0	0.20	1	05/01/22 12:07	
Trichloroethene (TCE)	ND U	1.0	0.20	1	05/01/22 12:07	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 12:07	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 12:07	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 12:07	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 12:07	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 12:07	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
n-Propylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
o-Xylene	ND U	1.0	0.20	1	05/01/22 12:07	
sec-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
tert-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 12:07	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 12:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/01/22 12:07	
Dibromofluoromethane	105	80 - 116	05/01/22 12:07	
Toluene-d8	101	87 - 121	05/01/22 12:07	

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 05/01/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2204696-07

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.6	20.0	103	75-125
1,1,2,2-Tetrachloroethane	8260C	19.0	20.0	95	78-126
1,1,2-Trichloroethane	8260C	19.2	20.0	96	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.1	20.0	96	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	20.1	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.7	20.0	99	71-118
1,2,3-Trichlorobenzene	8260C	18.8	20.0	94	67-136
1,2,4-Trichlorobenzene	8260C	19.8	20.0	99	75-132
1,2,4-Trimethylbenzene	8260C	19.0	20.0	95	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	20.4	20.0	102	55-136
1,2-Dibromoethane	8260C	18.9	20.0	95	82-127
1,2-Dichlorobenzene	8260C	19.2	20.0	96	80-119
1,2-Dichloroethane	8260C	20.7	20.0	104	71-127
1,2-Dichloropropane	8260C	16.7	20.0	83	80-119
1,3,5-Trimethylbenzene	8260C	19.4	20.0	97	81-128
1,3-Dichlorobenzene	8260C	18.4	20.0	92	83-121
1,4-Dichlorobenzene	8260C	19.1	20.0	96	79-119
1,4-Dioxane	8260C	328	400	82	44-154
2-Butanone (MEK)	8260C	16.3	20.0	81	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Isopropyltoluene	8260C	18.8	20.0	94	78-133
4-Methyl-2-pentanone	8260C	17.3	20.0	87	66-124
Acetone	8260C	17.4	20.0	87	40-161
Benzene	8260C	18.5	20.0	93	79-119
Bromochloromethane	8260C	19.3	20.0	96	81-126
Bromodichloromethane	8260C	21.6	20.0	108	81-123
Bromoform	8260C	28.3	20.0	142	65-146
Bromomethane	8260C	20.6	20.0	103	42-166
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Carbon Tetrachloride	8260C	21.4	20.0	107	70-127
Chlorobenzene	8260C	18.7	20.0	94	80-121
Chloroethane	8260C	21.8	20.0	109	62-131
Chloroform	8260C	20.4	20.0	102	79-120

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 05/01/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2204696-07

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	25.6	20.0	128	65-135
Cyclohexane	8260C	17.0	20.0	85	69-120
Dibromochloromethane	8260C	26.3	20.0	131 *	72-128
Dichlorodifluoromethane (CFC 12)	8260C	22.0	20.0	110	59-155
Dichloromethane	8260C	21.0	20.0	105	73-122
Ethylbenzene	8260C	20.2	20.0	101	76-120
Isopropylbenzene (Cumene)	8260C	19.9	20.0	99	77-128
Methyl Acetate	8260C	14.2	20.0	71	61-133
Methyl tert-Butyl Ether	8260C	19.6	20.0	98	75-118
Methylcyclohexane	8260C	17.6	20.0	88	51-129
Naphthalene	8260C	19.6	20.0	98	59-140
Styrene	8260C	19.6	20.0	98	80-124
Tetrachloroethene (PCE)	8260C	19.6	20.0	98	72-125
Toluene	8260C	19.1	20.0	95	79-119
Trichloroethene (TCE)	8260C	18.0	20.0	90	74-122
Trichlorofluoromethane (CFC 11)	8260C	23.0	20.0	115	71-136
Vinyl Chloride	8260C	21.9	20.0	110	74-159
cis-1,2-Dichloroethene	8260C	19.6	20.0	98	80-121
cis-1,3-Dichloropropene	8260C	19.8	20.0	99	77-122
m,p-Xylenes	8260C	37.4	40.0	93	80-126
n-Butylbenzene	8260C	18.4	20.0	92	78-133
n-Propylbenzene	8260C	19.9	20.0	100	78-131
o-Xylene	8260C	19.6	20.0	98	79-123
sec-Butylbenzene	8260C	19.9	20.0	99	75-129
tert-Butylbenzene	8260C	19.4	20.0	97	76-126
trans-1,2-Dichloroethene	8260C	20.2	20.0	101	73-118
trans-1,3-Dichloropropene	8260C	18.7	20.0	93	71-133

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Labella Associates, PC **Service Request:** R2203594
Project: 99 Marsh Road/2222082
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Extraction Method: EPA 3535A

Sample Name	Lab Code	Tetrahydrofuran-d8 (SUR) 64-124
MW-11-20220420	R2203594-001	91
GP-09-20220420	R2203594-002	96
MW-10-20220420	R2203594-006	90
Dupe-01-20220420	R2203594-008	93
Method Blank	RQ2204366-01	86
Lab Control Sample	RQ2204366-02	93
Duplicate Lab Control Sample	RQ2204366-03	90
MW-11-20220420 MS	RQ2204366-06	92
MW-11-20220420 DMS	RQ2204366-07	91

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	04/25/22
		Date Extracted:	04/25/22

Duplicate Matrix Spike Summary
1,4-Dioxane by GC/MS

Sample Name:	MW-11-20220420	**Units:**	ug/L
Lab Code:	R2203594-001	**Basis:**	NA
Analysis Method:	8270D SIM		
Prep Method:	EPA 3535A		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2204366-06			RQ2204366-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	ND U	8.95	10.0	89	8.92	10.0	89	33-146	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204366-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 16:37	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	86	64 - 124	04/25/22 16:37	

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/25/22

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2204366-02			RQ2204366-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D SIM	8.33	10.0	83	8.92	10.0	89	58-124	7	30

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

METALS

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BLANKS

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Iron	61.00	U	61.00	U	61.00	U	61.00	U	61.000	U	P

Comments:

METALS

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BLANKS

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Iron			61.00	U	61.00	U	61.00	U			P

Comments:

METALS
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DUPLICATES

SAMPLE NO.: DLCSW

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Iron		1010		1010		0		P

Comments: _____

METALS

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LABORATORY CONTROL SAMPLE

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Iron	1000	1010	101					

Comments: _____

METALS

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LABORATORY CONTROL SAMPLE

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Iron	1000	1010	101					

Comments: _____

General Chemistry

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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2203594-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:20	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:15	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:13	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:17	
Sulfate	300.0	ND U	mg/L	0.20	0.04	1	05/03/22 08:10	

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/30/22 - 05/03/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2203594-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	9060A	22.8	25.0	91	80-121
Carbon, Total Organic (TOC)	9060A	22.6	25.0	90	80-121
Carbon, Total Organic (TOC)	9060A	22.2	25.0	89	80-121
Carbon, Total Organic (TOC)	9060A	22.9	25.0	91	80-121
Sulfate	300.0	1.89	2.00	95	90-110

Subcontracted Analytical Parameters

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

03-May-2022

Janice Jaeger
ALS Environmental
1565 Jefferson Rd
Bldg 300
Rochester, NY 14623

Re: **R2203594** Work Order: **22042294**

Dear Janice,

ALS Environmental received 5 samples on 26-Apr-2022 04:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Jodi Blouw

Electronically approved by: Jodi Blouw

Jodi Blouw

Client: ALS Environmental
Project: R2203594
Work Order: **22042294**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22042294-01	MW-11-20220420	Water		4/20/2022 11:00	4/26/2022 16:00	☐
22042294-02	GP-09-20220420	Water		4/20/2022 12:40	4/26/2022 16:00	☐
22042294-03	MW-10-20220420	Water		4/20/2022 10:00	4/26/2022 16:00	☐
22042294-04	Equipment Blank-20220420	Water		4/20/2022	4/26/2022 16:00	☐
22042294-05	Dupe-01-20220420	Water		4/20/2022	4/26/2022 16:00	☐

Client: ALS Environmental
Project: R2203594
WorkOrder: **22042294**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
ng/L	Nanograms per Liter

Client:	ALS Environmental
Project:	R2203594
Work Order:	22042294

Case Narrative

Samples for the above noted Work Order were received on 04/26/2022. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Extractable Organics:
Batch 195513, Method E537 Mod, Sample MBLK-195512: 13C2-FtS 8:2 Surrogate failed high, but the FTS 8:2 target passes in the LCS.

Batch 195513, Method E537 Mod, Sample LCS-195512: 13C2-FtS 8:2 Surrogate failed high, but the FTS 8:2 target passes.

Batch 195513, Method E537 Mod, Sample 22042294-01A MSD: SUR09: 13C2-FtS 6:2, 13C2-FtS 8:2 surrogates failed high, the targets are non-detect in the parent sample.

Batch 195513, Method E537 Mod, Sample MW-11-20220420 (22042294-01A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2, 13C2-FtS 8:2

Batch 195513, Method E537 Mod, Sample GP-09-20220420 (22042294-02A): The extracted internal standard response was outside recovery criteria with low bias; sample results may exhibit bias. d3-N-MeFOSAA_IS

Batch 195513, Method E537 Mod, Sample GP-09-20220420 (22042294-02A): The extracted internal standard response was outside recovery criteria with high bias; sample results may exhibit bias. 13C-8_2-FTS_IS

Batch 195513, Method E537 Mod, Sample GP-09-20220420 (22042294-02A): One or more

surrogate recoveries were below the lower control limits. The sample results may be biased low. d3-N-MeFOSAA

Batch 195513, Method E537 Mod, Sample GP-09-20220420 (22042294-02A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2, 13C2-FtS 8:2

Batch 195513, Method E537 Mod, Sample MW-10-20220420 (22042294-03A): The extracted internal standard response was outside recovery criteria with high bias; sample results may exhibit bias. 13C-8_2-FTS_IS

Batch 195513, Method E537 Mod, Sample MW-10-20220420 (22042294-03A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2, 13C2-FtS 8:2

Batch 195513, Method E537 Mod, Sample Equipment Blank-20220420 (22042294-04A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2

Batch 195513, Method E537 Mod, Sample Dupe-01-20220420 (22042294-05A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low. d3-N-MeFOSA

Batch 195513, Method E537 Mod, Sample 22042294-01A MS: The MS recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: NEtFOSAA

Batch 195513, Method E537 Mod, Sample 22042294-01A MSD: The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: FTS 10:2

No other deviations or anomalies were noted.

ALS Group, USA

Date: *03-May-22*

Client: ALS Environmental
Project: R2203594
Sample ID: MW-11-20220420
Collection Date: 4/20/2022 11:00 AM

Work Order: 22042294
Lab ID: 22042294-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Method: **E537 MOD**			Prep: E537 Mod / 4/29/22		Analyst: **ENS**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.6	4.3	ng/L	1	4/29/2022 23:43
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		0.97	4.3	ng/L	1	4/29/2022 23:43
Perfluorobutanesulfonic Acid (PFBS)	**2.2**	J	**0.30**	**4.3**	**ng/L**	1	4/29/2022 23:43
Perfluorobutanoic Acid (PFBA)	**18**		**2.2**	**4.3**	**ng/L**	1	4/29/2022 23:43
Perfluorodecanesulfonic Acid (PFDS)	U		1.2	4.3	ng/L	1	4/29/2022 23:43
Perfluorodecanoic Acid (PFDA)	U		1.1	4.3	ng/L	1	4/29/2022 23:43
Perfluorododecanoic Acid (PFDoA)	U		0.59	4.3	ng/L	1	4/29/2022 23:43
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.49	4.3	ng/L	1	4/29/2022 23:43
Perfluoroheptanoic Acid (PFHpA)	**3.1**	J	**1.5**	**4.3**	**ng/L**	1	4/29/2022 23:43
Perfluorohexanesulfonic Acid (PFHxS)	U		0.78	4.3	ng/L	1	4/29/2022 23:43
Perfluorohexanoic Acid (PFHxA)	**22**		**1.0**	**4.3**	**ng/L**	1	4/29/2022 23:43
Perfluorononanoic Acid (PFNA)	U		0.75	4.3	ng/L	1	4/29/2022 23:43
Perfluorooctanesulfonamide (PFOSA)	U		0.61	4.3	ng/L	1	4/29/2022 23:43
Perfluorooctanesulfonic Acid (PFOS)	U		0.77	1.7	ng/L	1	4/29/2022 23:43
Perfluorooctanoic Acid (PFOA)	**3.7**		**0.54**	**1.7**	**ng/L**	1	4/29/2022 23:43
Perfluoropentanoic Acid (PFPeA)	**48**		**1.1**	**4.3**	**ng/L**	1	4/29/2022 23:43
Perfluorotetradecanoic Acid (PFTeA)	U		2.3	4.3	ng/L	1	4/29/2022 23:43
Perfluorotridecanoic Acid (PFTriA)	U		1.7	4.3	ng/L	1	4/29/2022 23:43
Perfluoroundecanoic Acid (PFUnA)	U		0.84	4.3	ng/L	1	4/29/2022 23:43
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.3	4.3	ng/L	1	4/29/2022 23:43
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.55	4.3	ng/L	1	4/29/2022 23:43
Surr: 13C2-FtS 6:2	*176*	S		*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-FtS 8:2	*160*	S		*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-PFDA	*80.1*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-PFDoA	*67.7*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-PFHxA	*74.1*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-PFTeA	*72.9*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C2-PFUnA	*73.1*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C3-HFPO-DA	*68.7*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C3-PFBS	*64.2*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C4-PFBA	*67.3*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C4-PFHpA	*85.4*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C4-PFOA	*81.0*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C4-PFOS	*63.4*			*50-150*	*%REC*	1	4/29/2022 23:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: MW-11-20220420
Collection Date: 4/20/2022 11:00 AM

Work Order: 22042294
Lab ID: 22042294-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C5-PFNA	*77.0*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C5-PFPeA	*66.0*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 13C8-FOSA	*73.1*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: 18O2-PFHxS	*78.9*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d5-N-EtFOSA	*55.2*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d5-N-EtFOSAA	*74.2*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d9-N-EtFOSE	*61.8*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d3-N-MeFOSA	*59.3*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d3-N-MeFOSAA	*82.6*			*50-150*	*%REC*	1	4/29/2022 23:43
Surr: d7-N-MeFOSE	*65.8*			*50-150*	*%REC*	1	4/29/2022 23:43

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: GP-09-20220420
Collection Date: 4/20/2022 12:40 PM

Work Order: 22042294
Lab ID: 22042294-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Method: **E537 MOD**			Prep: E537 Mod / 4/29/22		Analyst: **ENS**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.7	4.5	ng/L	1	4/30/2022 00:16
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.0	4.5	ng/L	1	4/30/2022 00:16
Perfluorobutanesulfonic Acid (PFBS)	**2.0**	J	**0.31**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorobutanoic Acid (PFBA)	**28**		**2.3**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorodecanesulfonic Acid (PFDS)	U		1.2	4.5	ng/L	1	4/30/2022 00:16
Perfluorodecanoic Acid (PFDA)	U		1.1	4.5	ng/L	1	4/30/2022 00:16
Perfluorododecanoic Acid (PFDoA)	U		0.62	4.5	ng/L	1	4/30/2022 00:16
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.50	4.5	ng/L	1	4/30/2022 00:16
Perfluoroheptanoic Acid (PFHpA)	**2.4**	J	**1.5**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorohexanesulfonic Acid (PFHxS)	**2.0**	J	**0.81**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorohexanoic Acid (PFHxA)	**4.0**	J	**1.1**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorononanoic Acid (PFNA)	U		0.78	4.5	ng/L	1	4/30/2022 00:16
Perfluorooctanesulfonamide (PFOSA)	U		0.63	4.5	ng/L	1	4/30/2022 00:16
Perfluorooctanesulfonic Acid (PFOS)	**12**		**0.80**	**1.8**	**ng/L**	1	4/30/2022 00:16
Perfluorooctanoic Acid (PFOA)	**5.6**		**0.56**	**1.8**	**ng/L**	1	4/30/2022 00:16
Perfluoropentanoic Acid (PFPeA)	**5.2**		**1.1**	**4.5**	**ng/L**	1	4/30/2022 00:16
Perfluorotetradecanoic Acid (PFTeA)	U		2.4	4.5	ng/L	1	4/30/2022 00:16
Perfluorotridecanoic Acid (PFTriA)	U		1.7	4.5	ng/L	1	4/30/2022 00:16
Perfluoroundecanoic Acid (PFUnA)	U		0.87	4.5	ng/L	1	4/30/2022 00:16
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.4	4.5	ng/L	1	4/30/2022 00:16
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.57	4.5	ng/L	1	4/30/2022 00:16
Surr: 13C2-FtS 6:2	*345*	S		*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-FtS 8:2	*298*	S		*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-PFDA	*86.4*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-PFDoA	*73.3*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-PFHxA	*73.3*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-PFTeA	*77.0*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C2-PFUnA	*77.8*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C3-HFPO-DA	*63.9*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C3-PFBS	*64.3*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C4-PFBA	*71.4*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C4-PFHpA	*74.3*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C4-PFOA	*76.9*			*50-150*	*%REC*	1	4/30/2022 00:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: GP-09-20220420
Collection Date: 4/20/2022 12:40 PM

Work Order: 22042294
Lab ID: 22042294-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C4-PFOS	*63.4*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C5-PFNA	*79.6*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C5-PFPeA	*72.3*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 13C8-FOSA	*52.5*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: 18O2-PFHxS	*83.2*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d5-N-EtFOSA	*58.8*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d5-N-EtFOSAA	*84.7*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d9-N-EtFOSE	*62.9*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d3-N-MeFOSA	*59.2*			*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d3-N-MeFOSAA	*42.0*	S		*50-150*	*%REC*	1	4/30/2022 00:16
Surr: d7-N-MeFOSE	*63.0*			*50-150*	*%REC*	1	4/30/2022 00:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: MW-10-20220420
Collection Date: 4/20/2022 10:00 AM

Work Order: 22042294
Lab ID: 22042294-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Method: **E537 MOD**			Prep: E537 Mod / 4/29/22		Analyst: **ENS**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.8	4.6	ng/L	1	4/30/2022 00:24
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.0	4.6	ng/L	1	4/30/2022 00:24
Perfluorobutanesulfonic Acid (PFBS)	**4.6**	J	**0.32**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorobutanoic Acid (PFBA)	**13**		**2.4**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorodecanesulfonic Acid (PFDS)	U		1.3	4.6	ng/L	1	4/30/2022 00:24
Perfluorodecanoic Acid (PFDA)	U		1.1	4.6	ng/L	1	4/30/2022 00:24
Perfluorododecanoic Acid (PFDoA)	U		0.64	4.6	ng/L	1	4/30/2022 00:24
Perfluoroheptanesulfonic Acid (PFHpS)	**1.1**	J	**0.52**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluoroheptanoic Acid (PFHpA)	**6.7**		**1.6**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorohexanesulfonic Acid (PFHxS)	**7.0**		**0.83**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorohexanoic Acid (PFHxA)	**5.8**		**1.1**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorononanoic Acid (PFNA)	U		0.80	4.6	ng/L	1	4/30/2022 00:24
Perfluorooctanesulfonamide (PFOSA)	U		0.66	4.6	ng/L	1	4/30/2022 00:24
Perfluorooctanesulfonic Acid (PFOS)	**21**		**0.82**	**1.8**	**ng/L**	1	4/30/2022 00:24
Perfluorooctanoic Acid (PFOA)	**24**		**0.58**	**1.8**	**ng/L**	1	4/30/2022 00:24
Perfluoropentanoic Acid (PFPeA)	**5.4**		**1.2**	**4.6**	**ng/L**	1	4/30/2022 00:24
Perfluorotetradecanoic Acid (PFTeA)	U		2.4	4.6	ng/L	1	4/30/2022 00:24
Perfluorotridecanoic Acid (PFTriA)	U		1.8	4.6	ng/L	1	4/30/2022 00:24
Perfluoroundecanoic Acid (PFUnA)	U		0.90	4.6	ng/L	1	4/30/2022 00:24
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.4	4.6	ng/L	1	4/30/2022 00:24
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.59	4.6	ng/L	1	4/30/2022 00:24
Surr: 13C2-FtS 6:2	*180*	S		*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-FtS 8:2	*184*	S		*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-PFDA	*66.5*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-PFDoA	*67.3*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-PFHxA	*61.8*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-PFTeA	*64.6*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C2-PFUnA	*72.5*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C3-HFPO-DA	*59.1*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C3-PFBS	*59.7*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C4-PFBA	*61.7*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C4-PFHpA	*56.5*			*50-150*	*%REC*	1	4/30/2022 00:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: MW-10-20220420
Collection Date: 4/20/2022 10:00 AM

Work Order: 22042294
Lab ID: 22042294-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C4-PFOA	*64.4*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C4-PFOS	*62.8*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C5-PFNA	*73.3*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C5-PFPeA	*56.8*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 13C8-FOSA	*50.2*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: 18O2-PFHxS	*76.6*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d5-N-EtFOSA	*51.8*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d5-N-EtFOSAA	*77.2*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d9-N-EtFOSE	*55.2*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d3-N-MeFOSA	*53.0*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d3-N-MeFOSAA	*86.6*			*50-150*	*%REC*	1	4/30/2022 00:24
Surr: d7-N-MeFOSE	*51.9*			*50-150*	*%REC*	1	4/30/2022 00:24

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: Equipment Blank-20220420
Collection Date: 4/20/2022

Work Order: 22042294
Lab ID: 22042294-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Method: **E537 MOD**			Prep: E537 Mod / 4/29/22		Analyst: **ENS**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.6	4.2	ng/L	1	4/30/2022 00:33
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		0.95	4.2	ng/L	1	4/30/2022 00:33
Perfluorobutanesulfonic Acid (PFBS)	U		0.30	4.2	ng/L	1	4/30/2022 00:33
Perfluorobutanoic Acid (PFBA)	U		2.2	4.2	ng/L	1	4/30/2022 00:33
Perfluorodecanesulfonic Acid (PFDS)	U		1.2	4.2	ng/L	1	4/30/2022 00:33
Perfluorodecanoic Acid (PFDA)	U		1.0	4.2	ng/L	1	4/30/2022 00:33
Perfluorododecanoic Acid (PFDoA)	U		0.58	4.2	ng/L	1	4/30/2022 00:33
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.48	4.2	ng/L	1	4/30/2022 00:33
Perfluoroheptanoic Acid (PFHpA)	U		1.5	4.2	ng/L	1	4/30/2022 00:33
Perfluorohexanesulfonic Acid (PFHxS)	U		0.76	4.2	ng/L	1	4/30/2022 00:33
Perfluorohexanoic Acid (PFHxA)	U		1.0	4.2	ng/L	1	4/30/2022 00:33
Perfluorononanoic Acid (PFNA)	U		0.74	4.2	ng/L	1	4/30/2022 00:33
Perfluorooctanesulfonamide (PFOSA)	U		0.60	4.2	ng/L	1	4/30/2022 00:33
Perfluorooctanesulfonic Acid (PFOS)	U		0.75	1.7	ng/L	1	4/30/2022 00:33
Perfluorooctanoic Acid (PFOA)	U		0.53	1.7	ng/L	1	4/30/2022 00:33
Perfluoropentanoic Acid (PFPeA)	U		1.1	4.2	ng/L	1	4/30/2022 00:33
Perfluorotetradecanoic Acid (PFTeA)	U		2.2	4.2	ng/L	1	4/30/2022 00:33
Perfluorotridecanoic Acid (PFTriA)	U		1.6	4.2	ng/L	1	4/30/2022 00:33
Perfluoroundecanoic Acid (PFUnA)	U		0.82	4.2	ng/L	1	4/30/2022 00:33
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.3	4.2	ng/L	1	4/30/2022 00:33
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.54	4.2	ng/L	1	4/30/2022 00:33
Surr: 13C2-FtS 6:2	*163*	S		*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-FtS 8:2	*148*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-PFDA	*81.1*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-PFDoA	*78.3*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-PFHxA	*77.0*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-PFTeA	*80.0*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C2-PFUnA	*77.7*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C3-HFPO-DA	*71.8*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C3-PFBS	*73.9*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C4-PFBA	*77.4*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C4-PFHpA	*72.0*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C4-PFOA	*82.3*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C4-PFOS	*76.1*			*50-150*	*%REC*	1	4/30/2022 00:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: Equipment Blank-20220420
Collection Date: 4/20/2022

Work Order: 22042294
Lab ID: 22042294-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C5-PFNA	*85.9*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C5-PFPeA	*71.0*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 13C8-FOSA	*64.1*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: 18O2-PFHxS	*97.6*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d5-N-EtFOSA	*61.1*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d5-N-EtFOSAA	*74.5*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d9-N-EtFOSE	*65.6*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d3-N-MeFOSA	*57.4*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d3-N-MeFOSAA	*84.6*			*50-150*	*%REC*	1	4/30/2022 00:33
Surr: d7-N-MeFOSE	*63.2*			*50-150*	*%REC*	1	4/30/2022 00:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: Dupe-01-20220420
Collection Date: 4/20/2022

Work Order: 22042294
Lab ID: 22042294-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Method: **E537 MOD**			Prep: E537 Mod / 4/29/22		Analyst: **ENS**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.7	4.4	ng/L	1	4/30/2022 00:41
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.0	4.4	ng/L	1	4/30/2022 00:41
Perfluorobutanesulfonic Acid (PFBS)	**2.1**	J	**0.31**	**4.4**	**ng/L**	1	4/30/2022 00:41
Perfluorobutanoic Acid (PFBA)	**16**		**2.3**	**4.4**	**ng/L**	1	4/30/2022 00:41
Perfluorodecanesulfonic Acid (PFDS)	U		1.2	4.4	ng/L	1	4/30/2022 00:41
Perfluorodecanoic Acid (PFDA)	U		1.1	4.4	ng/L	1	4/30/2022 00:41
Perfluorododecanoic Acid (PFDoA)	U		0.61	4.4	ng/L	1	4/30/2022 00:41
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.50	4.4	ng/L	1	4/30/2022 00:41
Perfluoroheptanoic Acid (PFHpA)	**3.2**	J	**1.5**	**4.4**	**ng/L**	1	4/30/2022 00:41
Perfluorohexanesulfonic Acid (PFHxS)	U		0.80	4.4	ng/L	1	4/30/2022 00:41
Perfluorohexanoic Acid (PFHxA)	**21**		**1.1**	**4.4**	**ng/L**	1	4/30/2022 00:41
Perfluorononanoic Acid (PFNA)	U		0.77	4.4	ng/L	1	4/30/2022 00:41
Perfluorooctanesulfonamide (PFOSA)	U		0.63	4.4	ng/L	1	4/30/2022 00:41
Perfluorooctanesulfonic Acid (PFOS)	U		0.79	1.8	ng/L	1	4/30/2022 00:41
Perfluorooctanoic Acid (PFOA)	**3.7**		**0.56**	**1.8**	**ng/L**	1	4/30/2022 00:41
Perfluoropentanoic Acid (PFPeA)	**48**		**1.1**	**4.4**	**ng/L**	1	4/30/2022 00:41
Perfluorotetradecanoic Acid (PFTeA)	U		2.3	4.4	ng/L	1	4/30/2022 00:41
Perfluorotridecanoic Acid (PFTriA)	U		1.7	4.4	ng/L	1	4/30/2022 00:41
Perfluoroundecanoic Acid (PFUnA)	U		0.86	4.4	ng/L	1	4/30/2022 00:41
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.4	4.4	ng/L	1	4/30/2022 00:41
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.57	4.4	ng/L	1	4/30/2022 00:41
Surr: 13C2-FtS 6:2	*107*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-FtS 8:2	*105*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-PFDA	*63.9*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-PFDoA	*71.2*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-PFHxA	*64.4*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-PFTeA	*71.3*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C2-PFUnA	*71.4*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C3-HFPO-DA	*60.6*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C3-PFBS	*65.9*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C4-PFBA	*66.6*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C4-PFHpA	*58.0*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C4-PFOA	*62.1*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C4-PFOS	*67.4*			*50-150*	*%REC*	1	4/30/2022 00:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ALS Environmental
Project: R2203594
Sample ID: Dupe-01-20220420
Collection Date: 4/20/2022

Work Order: 22042294
Lab ID: 22042294-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C5-PFNA	*68.2*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C5-PFPeA	*62.0*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 13C8-FOSA	*51.5*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: 18O2-PFHxS	*78.3*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d5-N-EtFOSA	*54.3*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d5-N-EtFOSAA	*73.5*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d9-N-EtFOSE	*58.0*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d3-N-MeFOSA	*47.8*	S		*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d3-N-MeFOSAA	*77.9*			*50-150*	*%REC*	1	4/30/2022 00:41
Surr: d7-N-MeFOSE	*54.1*			*50-150*	*%REC*	1	4/30/2022 00:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Batch ID: **195513** Instrument ID **LCMS1** Method: **E537 Mod**

MBLK Sample ID: **MBLK-195512-195513** Units: **ng/L** Analysis Date: **4/29/2022 11:10 PM**
Client ID: Run ID: **LCMS1_220429D** SeqNo: **8378760** Prep Date: **4/29/2022** DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid	U	1.9	5.0								
Fluorotelomer Sulphonic Acid	U	1.1	5.0								
Perfluorobutanesulfonic Acid (	U	0.35	5.0								
Perfluorobutanoic Acid (PFBA)	U	2.6	5.0								
Perfluorodecanesulfonic Acid	U	1.4	5.0								
Perfluorodecanoic Acid (PFDA	U	1.2	5.0								
Perfluorododecanoic Acid (PFI	U	0.69	5.0								
Perfluoroheptanesulfonic Acid	U	0.57	5.0								
Perfluoroheptanoic Acid (PFH	U	1.7	5.0								
Perfluorohexanesulfonic Acid	U	0.9	5.0								
Perfluorohexanoic Acid (PFHx	U	1.2	5.0								
Perfluorononanoic Acid (PFNA	U	0.87	5.0								
Perfluorooctanesulfonamide (F	U	0.71	5.0								
Perfluorooctanesulfonic Acid (I	U	0.89	2.0								
Perfluorooctanoic Acid (PFOA	U	0.63	2.0								
Perfluoropentanoic Acid (PFPe	U	1.3	5.0								
Perfluorotetradecanoic Acid (F	U	2.6	5.0								
Perfluorotridecanoic Acid (PFT	U	1.9	5.0								
Perfluoroundecanoic Acid (PFI	U	0.97	5.0								
N-Ethylperfluorooctanesulfona	U	1.5	5.0								
N-Methylperfluorooctanesulfor	U	0.64	5.0								
Surr: 13C2-FtS 6:2	*212.4*	0	0	*152*	0	*140*	*50-150*	0			
Surr: 13C2-FtS 8:2	*245.6*	0	0	*153.3*	0	*160*	*50-150*	0			*S*
Surr: 13C2-PFDA	*135.1*	0	0	*160*	0	*84.4*	*50-150*	0			
Surr: 13C2-PFDoA	*117.5*	0	0	*160*	0	*73.4*	*50-150*	0			
Surr: 13C2-PFHxA	*122.1*	0	0	*160*	0	*76.3*	*50-150*	0			
Surr: 13C2-PFTeA	*118.2*	0	0	*160*	0	*73.9*	*50-150*	0			
Surr: 13C2-PFUnA	*121.8*	0	0	*160*	0	*76.1*	*50-150*	0			
Surr: 13C3-HFPO-DA	*112.2*	0	0	*160*	0	*70.1*	*50-150*	0			
Surr: 13C3-PFBS	*102*	0	0	*148.8*	0	*68.6*	*50-150*	0			
Surr: 13C4-PFBA	*108.5*	0	0	*160*	0	*67.8*	*50-150*	0			
Surr: 13C4-PFHpA	*125.9*	0	0	*160*	0	*78.7*	*50-150*	0			
Surr: 13C4-PFOA	*129.6*	0	0	*160*	0	*81*	*50-150*	0			
Surr: 13C4-PFOS	*102*	0	0	*152.8*	0	*66.8*	*50-150*	0			
Surr: 13C5-PFNA	*129.2*	0	0	*160*	0	*80.8*	*50-150*	0			
Surr: 13C5-PFPeA	*108.6*	0	0	*160*	0	*67.9*	*50-150*	0			
Surr: 13C8-FOSA	*120.7*	0	0	*160*	0	*75.4*	*50-150*	0			
Surr: 18O2-PFHxS	*136.2*	0	0	*151.2*	0	*90.1*	*50-150*	0			
Surr: d5-N-EtFOSA	*88.99*	0	0	*160*	0	*55.6*	*50-150*	0			
Surr: d5-N-EtFOSAA	*128.4*	0	0	*160*	0	*80.3*	*50-150*	0			
Surr: d9-N-EtFOSE	*105*	0	0	*160*	0	*65.6*	*50-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **195513**	Instrument ID **LCMS1**			Method: **E537 Mod**				
Surr: d3-N-MeFOSA	*96.6*	0	0	*160*	0	*60.4*	*50-150*	0
Surr: d3-N-MeFOSAA	*141.2*	0	0	*160*	0	*88.2*	*50-150*	0
Surr: d7-N-MeFOSE	*104*	0	0	*160*	0	*65*	*50-150*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22042294
Project: R2203594

QC BATCH REPORT

Batch ID: **195513** Instrument ID **LCMS1** Method: **E537 Mod**

LCS	Sample ID: **LCS-195512-195513**				Units: **ng/L**			Analysis Date: **4/29/2022 11:18 PM**			
Client ID:		Run ID: **LCMS1_220429D**			SeqNo: **8378761**			Prep Date: **4/29/2022**		DF: **1**	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid	34.3	1.9	5.0	30.3	0	113	63-162	0			
Fluorotelomer Sulphonic Acid	41.18	1.1	5.0	30.7	0	134	61-165	0			
Perfluorobutanesulfonic Acid (	31.23	0.35	5.0	28.3	0	110	72-130	0			
Perfluorobutanoic Acid (PFBA)	32.68	2.6	5.0	32	0	102	73-129	0			
Perfluorodecanesulfonic Acid	31.96	1.4	5.0	30.8	0	104	53-142	0			
Perfluorodecanoic Acid (PFDA	38.4	1.2	5.0	32	0	120	71-129	0			
Perfluorododecanoic Acid (PFI	34.63	0.69	5.0	32	0	108	72-134	0			
Perfluoroheptanesulfonic Acid	26.11	0.57	5.0	30.5	0	85.6	69-134	0			
Perfluoroheptanoic Acid (PFH	36.09	1.7	5.0	32	0	113	72-130	0			
Perfluorohexanesulfonic Acid	28.72	0.9	5.0	29.1	0	98.7	68-131	0			
Perfluorohexanoic Acid (PFHx	32.73	1.2	5.0	32	0	102	72-129	0			
Perfluorononanoic Acid (PFNA	36.23	0.87	5.0	32	0	113	69-130	0			
Perfluorooctanesulfonamide (F	38.63	0.71	5.0	32	0	121	67-137	0			
Perfluorooctanesulfonic Acid (	31.42	0.89	2.0	29.7	0	106	65-140	0			
Perfluorooctanoic Acid (PFOA	35.61	0.63	2.0	32	0	111	71-133	0			
Perfluoropentanoic Acid (PFPe	35.83	1.3	5.0	32	0	112	72-129	0			
Perfluorotetradecanoic Acid (F	36.14	2.6	5.0	32	0	113	71-132	0			
Perfluorotridecanoic Acid (PFT	39.24	1.9	5.0	32	0	123	65-144	0			
Perfluoroundecanoic Acid (PFI	32.11	0.97	5.0	32	0	100	69-133	0			
N-Ethylperfluorooctanesulfona	36.13	1.5	5.0	32	0	113	61-135	0			
N-Methylperfluorooctanesulfor	27.94	0.64	5.0	32	0	87.3	65-136	0			
Surr: 13C2-FtS 6:2	*221.8*	0	0	*152*	0	*146*	*50-150*	0			
Surr: 13C2-FtS 8:2	*234.6*	0	0	*153.3*	0	*153*	*50-150*	0			*S*
Surr: 13C2-PFDA	*128*	0	0	*160*	0	*80*	*50-150*	0			
Surr: 13C2-PFDoA	*117*	0	0	*160*	0	*73.1*	*50-150*	0			
Surr: 13C2-PFHxA	*115.8*	0	0	*160*	0	*72.4*	*50-150*	0			
Surr: 13C2-PFTeA	*108.8*	0	0	*160*	0	*68*	*50-150*	0			
Surr: 13C2-PFUnA	*125.9*	0	0	*160*	0	*78.7*	*50-150*	0			
Surr: 13C3-HFPO-DA	*103.5*	0	0	*160*	0	*64.7*	*50-150*	0			
Surr: 13C3-PFBS	*94.36*	0	0	*148.8*	0	*63.4*	*50-150*	0			
Surr: 13C4-PFBA	*103.5*	0	0	*160*	0	*64.7*	*50-150*	0			
Surr: 13C4-PFHpA	*118.9*	0	0	*160*	0	*74.3*	*50-150*	0			
Surr: 13C4-PFOA	*126.7*	0	0	*160*	0	*79.2*	*50-150*	0			
Surr: 13C4-PFOS	*101.9*	0	0	*152.8*	0	*66.7*	*50-150*	0			
Surr: 13C5-PFNA	*127.4*	0	0	*160*	0	*79.6*	*50-150*	0			
Surr: 13C5-PFPeA	*100.6*	0	0	*160*	0	*62.9*	*50-150*	0			
Surr: 13C8-FOSA	*102.5*	0	0	*160*	0	*64*	*50-150*	0			
Surr: 18O2-PFHxS	*128.6*	0	0	*151.2*	0	*85*	*50-150*	0			
Surr: d5-N-EtFOSA	*85.41*	0	0	*160*	0	*53.4*	*50-150*	0			
Surr: d5-N-EtFOSAA	*119*	0	0	*160*	0	*74.4*	*50-150*	0			
Surr: d9-N-EtFOSE	*96.78*	0	0	*160*	0	*60.5*	*50-150*	0			
Surr: d3-N-MeFOSA	*87.42*	0	0	*160*	0	*54.6*	*50-150*	0			
Surr: d3-N-MeFOSAA	*132.8*	0	0	*160*	0	*83*	*50-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **195513** Instrument ID **LCMS1** Method: **E537 Mod**

Surr: d7-N-MeFOSE	*96.68*	0	0	*160*	0	*60.4*	*50-150*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22042294
Project: R2203594

QC BATCH REPORT

Batch ID: **195513** Instrument ID **LCMS1** Method: **E537 Mod**

MS Sample ID: **22042294-01A MS** Units: **ng/L** Analysis Date: **4/29/2022 11:26 PM**
Client ID: **MW-11-20220420** Run ID: **LCMS1_220429D** SeqNo: **8378762** Prep Date: **4/29/2022** DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid	29.66	1.6	4.2	25.7	0.528	113	63-162	0			
Fluorotelomer Sulphonic Acid	37.7	0.96	4.2	26.04	0.05225	145	61-165	0			
Perfluorobutanesulfonic Acid (	29.63	0.3	4.2	24.01	2.159	114	72-130	0			
Perfluorobutanoic Acid (PFBA)	44.82	2.2	4.2	27.15	17.64	100	73-129	0			
Perfluorodecanesulfonic Acid	29.03	1.2	4.2	26.13	0	111	53-142	0			
Perfluorodecanoic Acid (PFDA	32.37	1.1	4.2	27.15	0	119	71-129	0			
Perfluorododecanoic Acid (PFI	30.71	0.59	4.2	27.15	0	113	72-134	0			
Perfluoroheptanesulfonic Acid	22.6	0.48	4.2	25.87	0	87.3	69-134	0			
Perfluoroheptanoic Acid (PFH	35.72	1.5	4.2	27.15	3.146	120	72-130	0			
Perfluorohexanesulfonic Acid	25.3	0.77	4.2	24.69	0.6132	100	68-131	0			
Perfluorohexanoic Acid (PFHx	48.38	1	4.2	27.15	22.07	96.9	72-129	0			
Perfluorononanoic Acid (PFNA	32.26	0.74	4.2	27.15	0	119	69-130	0			
Perfluorooctanesulfonamide (F	35.46	0.6	4.2	27.15	0	131	67-137	0			
Perfluorooctanesulfonic Acid (	29	0.76	1.7	25.2	0	115	65-140	0			
Perfluorooctanoic Acid (PFOA	35.58	0.53	1.7	27.15	3.74	117	71-133	0			
Perfluoropentanoic Acid (PFPe	77.13	1.1	4.2	27.15	48.3	106	72-129	0			
Perfluorotetradecanoic Acid (F	29.69	2.2	4.2	27.15	0	109	71-132	0			
Perfluorotridecanoic Acid (PFT	31.06	1.6	4.2	27.15	0	114	65-144	0			
Perfluoroundecanoic Acid (PFI	29.88	0.83	4.2	27.15	0	110	69-133	0			
N-Ethylperfluorooctanesulfona	38.2	1.3	4.2	27.15	0	141	61-135	0			S
N-Methylperfluorooctanesulfor	30.32	0.55	4.2	27.15	0	112	65-136	0			
Surr: 13C2-FtS 6:2	*183.4*	0	0	*128.9*	0	*142*	*50-150*	0			
Surr: 13C2-FtS 8:2	*162.3*	0	0	*130*	0	*125*	*50-150*	0			
Surr: 13C2-PFDA	*110.4*	0	0	*135.7*	0	*81.3*	*50-150*	0			
Surr: 13C2-PFDoA	*96.3*	0	0	*135.7*	0	*71*	*50-150*	0			
Surr: 13C2-PFHxA	*105.3*	0	0	*135.7*	0	*77.6*	*50-150*	0			
Surr: 13C2-PFTeA	*100.3*	0	0	*135.7*	0	*73.9*	*50-150*	0			
Surr: 13C2-PFUnA	*97.23*	0	0	*135.7*	0	*71.6*	*50-150*	0			
Surr: 13C3-HFPO-DA	*95.81*	0	0	*135.7*	0	*70.6*	*50-150*	0			
Surr: 13C3-PFBS	*84.96*	0	0	*126.2*	0	*67.3*	*50-150*	0			
Surr: 13C4-PFBA	*96.72*	0	0	*135.7*	0	*71.3*	*50-150*	0			
Surr: 13C4-PFHpA	*107.4*	0	0	*135.7*	0	*79.1*	*50-150*	0			
Surr: 13C4-PFOA	*110.9*	0	0	*135.7*	0	*81.7*	*50-150*	0			
Surr: 13C4-PFOS	*89.63*	0	0	*129.6*	0	*69.1*	*50-150*	0			
Surr: 13C5-PFNA	*109.1*	0	0	*135.7*	0	*80.4*	*50-150*	0			
Surr: 13C5-PFPeA	*93.39*	0	0	*135.7*	0	*68.8*	*50-150*	0			
Surr: 13C8-FOSA	*96.9*	0	0	*135.7*	0	*71.4*	*50-150*	0			
Surr: 18O2-PFHxS	*118.2*	0	0	*128.3*	0	*92.2*	*50-150*	0			
Surr: d5-N-EtFOSA	*82.91*	0	0	*135.7*	0	*61.1*	*50-150*	0			
Surr: d5-N-EtFOSAA	*103.1*	0	0	*135.7*	0	*75.9*	*50-150*	0			
Surr: d9-N-EtFOSE	*85.32*	0	0	*135.7*	0	*62.9*	*50-150*	0			
Surr: d3-N-MeFOSA	*87.09*	0	0	*135.7*	0	*64.2*	*50-150*	0			
Surr: d3-N-MeFOSAA	*108.5*	0	0	*135.7*	0	*79.9*	*50-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **195513**	Instrument ID **LCMS1**			Method: **E537 Mod**				
Surr: d7-N-MeFOSE	*92.75*	0	0	*135.7*	0	*68.3*	*50-150*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22042294
Project: R2203594

QC BATCH REPORT

Batch ID: **195513** Instrument ID **LCMS1** Method: **E537 Mod**

MSD Sample ID: **22042294-01A MSD** Units: **ng/L** Analysis Date: **4/29/2022 11:35 PM**
Client ID: **MW-11-20220420** Run ID: **LCMS1_220429D** SeqNo: **8378763** Prep Date: **4/29/2022** DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid	27.55	1.7	4.3	26.07	0.528	104	63-162	29.66	7.39	30	
Fluorotelomer Sulphonic Acid	37.98	0.97	4.3	26.42	0.05225	144	61-165	37.7	0.724	30	
Perfluorobutanesulfonic Acid (	27.59	0.3	4.3	24.35	2.159	104	72-130	29.63	7.15	30	
Perfluorobutanoic Acid (PFBA)	44.13	2.2	4.3	27.53	17.64	96.2	73-129	44.82	1.55	30	
Perfluorodecanesulfonic Acid	31.93	1.2	4.3	26.5	0	120	53-142	29.03	9.52	30	
Perfluorodecanoic Acid (PFDA	29.39	1.1	4.3	27.53	0	107	71-129	32.37	9.67	30	
Perfluorododecanoic Acid (PFI	27.35	0.59	4.3	27.53	0	99.3	72-134	30.71	11.6	30	
Perfluoroheptanesulfonic Acid	24.28	0.49	4.3	26.24	0	92.5	69-134	22.6	7.17	30	
Perfluoroheptanoic Acid (PFH	31.16	1.5	4.3	27.53	3.146	102	72-130	35.72	13.6	30	
Perfluorohexanesulfonic Acid	25.43	0.78	4.3	25.04	0.6132	99.1	68-131	25.3	0.524	30	
Perfluorohexanoic Acid (PFHx	50.52	1	4.3	27.53	22.07	103	72-129	48.38	4.32	30	
Perfluorononanoic Acid (PFNA	29.77	0.75	4.3	27.53	0	108	69-130	32.26	8.02	30	
Perfluorooctanesulfonamide (F	33.95	0.61	4.3	27.53	0	123	67-137	35.46	4.35	30	
Perfluorooctanesulfonic Acid (	28.68	0.77	1.7	25.56	0	112	65-140	29	1.1	30	
Perfluorooctanoic Acid (PFOA	33.11	0.54	1.7	27.53	3.74	107	71-133	35.58	7.18	30	
Perfluoropentanoic Acid (PFPe	73.55	1.1	4.3	27.53	48.3	91.7	72-129	77.13	4.75	30	
Perfluorotetradecanoic Acid (F	26.58	2.3	4.3	27.53	0	96.5	71-132	29.69	11	30	
Perfluorotridecanoic Acid (PFT	32.09	1.7	4.3	27.53	0	117	65-144	31.06	3.25	30	
Perfluoroundecanoic Acid (PFI	31.54	0.84	4.3	27.53	0	115	69-133	29.88	5.43	30	
N-Ethylperfluorooctanesulfona	33.82	1.3	4.3	27.53	0	123	61-135	38.2	12.1	30	
N-Methylperfluorooctanesulfor	30.97	0.55	4.3	27.53	0	112	65-136	30.32	2.14	30	
Surr: 13C2-FtS 6:2	*222.7*	0	0	*130.8*	0	*170*	*50-150*	183.4	*19.4*	*30*	*S*
Surr: 13C2-FtS 8:2	*218.6*	0	0	*131.9*	0	*166*	*50-150*	162.3	*29.6*	*30*	*S*
Surr: 13C2-PFDA	*116.7*	0	0	*137.7*	0	*84.8*	*50-150*	110.4	*5.56*	*30*	
Surr: 13C2-PFDoA	*99.06*	0	0	*137.7*	0	*72*	*50-150*	96.3	*2.82*	*30*	
Surr: 13C2-PFHxA	*103.4*	0	0	*137.7*	0	*75.1*	*50-150*	105.3	*1.85*	*30*	
Surr: 13C2-PFTeA	*113.1*	0	0	*137.7*	0	*82.1*	*50-150*	100.3	*12*	*30*	
Surr: 13C2-PFUnA	*99.07*	0	0	*137.7*	0	*72*	*50-150*	97.23	*1.88*	*30*	
Surr: 13C3-HFPO-DA	*105.3*	0	0	*137.7*	0	*76.5*	*50-150*	95.81	*9.44*	*30*	
Surr: 13C3-PFBS	*88.51*	0	0	*128*	0	*69.1*	*50-150*	84.96	*4.1*	*30*	
Surr: 13C4-PFBA	*95.82*	0	0	*137.7*	0	*69.6*	*50-150*	96.72	*0.942*	*30*	
Surr: 13C4-PFHpA	*128.1*	0	0	*137.7*	0	*93*	*50-150*	107.4	*17.5*	*30*	
Surr: 13C4-PFOA	*110.5*	0	0	*137.7*	0	*80.2*	*50-150*	110.9	*0.383*	*30*	
Surr: 13C4-PFOS	*88.44*	0	0	*131.5*	0	*67.3*	*50-150*	89.63	*1.33*	*30*	
Surr: 13C5-PFNA	*108*	0	0	*137.7*	0	*78.5*	*50-150*	109.1	*0.964*	*30*	
Surr: 13C5-PFPeA	*95*	0	0	*137.7*	0	*69*	*50-150*	93.39	*1.71*	*30*	
Surr: 13C8-FOSA	*97.26*	0	0	*137.7*	0	*70.6*	*50-150*	96.9	*0.368*	*30*	
Surr: 18O2-PFHxS	*102.7*	0	0	*130.1*	0	*78.9*	*50-150*	118.2	*14.1*	*30*	
Surr: d5-N-EtFOSA	*84.84*	0	0	*137.7*	0	*61.6*	*50-150*	82.91	*2.3*	*30*	
Surr: d5-N-EtFOSAA	*121.8*	0	0	*137.7*	0	*88.5*	*50-150*	103.1	*16.6*	*30*	
Surr: d9-N-EtFOSE	*82.06*	0	0	*137.7*	0	*59.6*	*50-150*	85.32	*3.89*	*30*	
Surr: d3-N-MeFOSA	*79.27*	0	0	*137.7*	0	*57.6*	*50-150*	87.09	*9.39*	*30*	
Surr: d3-N-MeFOSAA	*122.8*	0	0	*137.7*	0	*89.2*	*50-150*	108.5	*12.3*	*30*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 22042294
Project: R2203594

QC BATCH REPORT

Batch ID: **195513**	Instrument ID **LCMS1**			Method: **E537 Mod**						
Surr: d7-N-MeFOSE	*95.91*	0	0	*137.7*	0	*69.7*	*50-150*	92.75	*3.35*	*30*

The following samples were analyzed in this batch:

22042294-01A	22042294-02A	22042294-03A
22042294-04A	22042294-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Janice Jaeger

22042294
ALS - ROCHESTER: ALS Environmental
Project: R2203594

Project Number: R2203594
Project Manager: Janice Jaeger
QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	PFAS PFC/537M
~~R2203594-001~~	MW-11-20220420	6	Water	4/20/22	1100	Holland ALS	X
R~~2203594-002~~	GP-09-20220420	2	Water	4/20/22	1240	Holland ALS	X
~~R2203594-004~~	~~MW-102-20220420~~		~~Water~~	~~4/20/22~~	~~1410~~	~~Holland ALS~~	~~X~~
R~~2203594-006~~	MW-10-20220420	2	Water	4/20/22	1000	Holland ALS	X
R~~2203594-007~~	Equippment Blank-20220420	2	Water	4/20/22		Holland ALS	X
R~~2203594-008~~	Dupe-01-20220420	2	Water	4/20/22		Holland ALS	X

537mod NY

ME 4/22/22

run ms/msD on mw-11

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
nysdec equis v4 add	____ RUSH (Surcharges Apply)	____ I. Results Only	
	PLEASE CIRCLE WORK DAYS 1 2 3 4 5	X II. Results + QC Summaries	PO# 58R2203594
	X STANDARD	____ III. Results + QC and Calibration Summaries	
	Requested FAX Date: ________	X IV. Data Validation Report with Raw Data	Bill to
H - Test is On Hold P - Test is Authorized for Prep Only	Requested Report Date: 05/06/22	PQL/MDL/J Y EDD Y	

Relinquished By: [signature] 4/25/22 1400 Received By: FedEx 4/26/22 1600 [signature] Airbill Number: IR1 3.2°C

Page 1

Ship To: Holland ALS
ALS Laboratory Group
3352 128th Avenue
Holland, MI 49424

PC VNS Date 10/4/21/22

SMO _____ Date _____

Instructions:

Ice _____

Dry Ice _____

No Ice _____

Shipping:

Overnight _____

2nd Day _____

Ground _____

Bill to Client Account _____

Comments:

ALS Group, USA

Sample Receipt Checklist

Client Name: **ALS - ROCHESTER** Date/Time Received: **26-Apr-22 16:00**

Work Order: **22042294** Received by: **LYS**

Checklist completed by Lydia Sweet (eSignature) 27-Apr-22 (Date) Reviewed by: Jodi Blouw (eSignature) 27-Apr-22 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.2/3.2c	IR1	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	4/27/2022 9:47:47 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

SRC Page 1 of 1

APPENDIX 3

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

FORMER AUTOHAUS of ROCHESTER SITE
99 MARSH ROAD
Project 2222082
SDG: R2203594
Aqueous Samples
Sampled 04/20/2022 and 04/21/2022

VOLATILE ORGANICS, PFAS, SULFATE, TOC
1,4-DIOXANE, TOTAL AND DISSOLVED IRON

MW-11-20220420	(R2203594-01)	GP-09-20220420	(R2203594-02)
GP-09-20220420DISS	(R2203594-03)	MW-102-20220420	(R2203594-04)
MW-102-20220420DISS	(R2203594-05)	MW-10-20220420	(R2203594-06)
DUPE-01-20220420	(R2203594-08)	DUPE-02-20220421	(R2203594-09)
TRIP BLANK-20220420	(R2203594-10)		

DATA ASSESSMENT

An ASP Category B data package containing analytical results for four aqueous samples, two field duplicates, an equipment blank, and a trip blank was received from Labella Associates, P.C. on 29Jun22. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the Former Autohaus of Rochester Site (99 Marsh Road), were identified by Chain of Custody documents and traceable through the work of ALS Environmental, the laboratory contracted for analysis. Analyses, performed according to SW-846 methods, addressed determinations of volatile organics, total and dissolved iron, 1,4-Dioxane, PFAS, TOC and sulfate. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation; OP NO. HW-35, Rev.#2, March 2013, Semivolatile Data Validation; SOP HW-2a, Rev. 15, Dec. 2012, ICP-AES Data Validation; and EPA Document 600/R-20/006, Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)) were used as a technical reference.

The VOC 1,4-dioxane results from this group of samples have been qualified as estimations due to poor calibration performance.

The bromomethane result from MW-102-20220420 has been qualified as an estimation due to a low spiked sample recovery.

The presence of ethylbenzene in DUPE-02-20220421 could not be verified, based on the mass spectra references found in the raw data. Ethylbenzene should be interpreted as undetected in this sample.

The FtS6:2 and N-MeFOSAA results from GP-09-20220420 have been qualified as estimations due to low a low internal standard performance.

PFAS data that has been qualified due to unacceptable surrogate standard recoveries has been tabulated on Page 10.

The TOC results from GP-09-20220420 have been qualified as estimations due to poor calibration results.

CORRECTNESS AND USABILITY

It is noted that the PFAS sample from MW-10 was reported as MW-10-20220420, but an identification of MW-10-20220421 was documented on the field custody log.

Reported data should be considered technically defensible and completely usable in its present form. Results presenting a usable estimation of the conditions at the time of sampling have been flagged "J" or "UJ". Data felt to be unreliable has been identified with a single red line and flagged "R". Rejected data sholdnot be included in data tables. Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: James B. Baldwin Date: 14 July 22

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation, or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticide and PCB samples must be extracted within seven days of collection. Soils and PFAS samples must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction (28 days for PFAS samples). The holding times for cyanide and mercury samples are 14 and 28 days, respectively. TOC and sulfate samples must be analyzed within 28 days and metals must be analyzed within six months.

This sample delivery group contained four aqueous samples, two field split duplicate samples, an equipment blank, and a trip blank that were collected from the Former Autohaus of Rochester Site on 20Apr22 and 21Apr22. The samples were delivered to ALS Environmental-Rochester on 21Apr22. At the time of receipt the sample cooler was found to be intact and properly chilled. A cooler temperature of 1.9°C was recorded at that time. Although proper sample preservation was not documented in the field custody record, checks made at the time of receipt verified that each sample volume was properly stabilized. Checks made at the time of analysis verified that each VOC sample was properly preserved at a pH<2.

Sample volumes for PFAS analysis were transferred to ALS-Holland on 25Apr22. The FedEx shipment was received on 26Apr22. The samples were found to be intact and properly chilled at 3.2°C at that time. It is noted that custody seals were not found on the sample cooler.

VOLATILE ORGANICS

This group of samples was analyzed on 01May22. The SW-846 holding time limitations were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

One method blank and a trip blank were analyzed with this group of samples. Although both of these blanks demonstrated acceptable chromatography, the trip blank contained traces of methyl acetate. The presence of this artifact, however, warrants no concern because methyl acetate was not detected in this group of samples.

MS Tuning
Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this group of samples satisfied the program acceptance criteria.

Calibrations
Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

The initial instrument calibration for VOC was performed on 03Feb22. Standards of 0.50, 1.0, 2.0, 5.0, 20, 50, 100, 150 and 200 µg/L were included. With the exception of 1,4-dioxane, each analyte targeted by this program produced the required levels of instrument response and demonstrated an acceptable degree of linearity during this calibration. 1,4-Dioxane, however, failed to produce the required minimum levels of instrument response. The 1,4-dioxane results from this project have been rejected based on this performance.

A calibration check standard was analyzed on 01May22, prior to the 12-hour period of instrument operation that included samples from this program. When compared to the initial calibration, each targeted analyte demonstrated an acceptable level of instrument stability. It is noted that 1,4-dioxane continued to produce an unacceptably low response during this check.

Surrogates
Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, however, acceptable recoveries were reported for each surrogate addition to this group of samples.

Internal Standards
Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal

standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, an acceptable response was reported for each internal standard addition to this group of samples.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

MW-102-20220420 was selected for matrix spiking. Each targeted analyte was added to two aliquots of this sample. With the exception of one bromomethane (65%) recovery, each analyte targeted by this program demonstrated acceptable levels of measurement precision and accuracy. Based on this indication of negative bias, the bromomethane (BRMANE) result from MW-102-20220420 has been qualified as an estimation.

A spiked blank (LCS) was also analyzed with this group of samples. The recoveries reported from this LCS included high results for bromoform (142%) and dibromochloromethane (131%). These indications of positive bias, however, warrant no concern because bromoform and dibromochloromethane were not detected in this group of samples.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicate samples of MW-102-20220420 were analyzed with this group of samples. When the results from this pair of samples both exceeded the laboratory's reporting limit, the reported concentrations differed by 13% or less. This performance satisfied the program acceptance criteria.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print outs. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of samples. Tentatively Identified Compounds (TIC) were not reported.

The presence of ethylbenzene in DUPE-02-20220421 could not be verified, based on the mass spectra references found in the raw data. Ethylbenzene (ETHBENZ) should be interpreted as undetected in this sample and a detection limit equaling the laboratory's reporting limit should be assumed.

1,4-DIOXANE-SIM

This group of samples was extracted and analyzed for 1,4-Dioxane on 25Apr22. The program holding time requirements were satisfied.

Blanks
Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling, transport and storage activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

One method blanks was analyzed with this group of samples. This blank produced acceptable chromatography and was free of targeted analyte contamination,

MS Tuning
Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of DFTPP was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each DFTPP evaluation. The DFTPP tunes associated with this delivery group satisfied the program acceptance criteria.

Calibration
Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

The initial instrument calibration for 1,4-dioxane was performed on 25Mar22. Standards of 1.0, 2.0, 10, 20, 100, 200, 500, 1000, and 5000 ng/l were included. The 1,4-dioxane standards produced the required levels of instrument response and demonstrated an acceptable degree of linearity during this calibration.

A calibration verification standard was analyzed on 25Apr22, prior to the 12-hour period of instrument operation that included samples from this program. When compared to the initial calibration, 1,4-dioxane demonstrated an acceptable level of instrument stability.

Surrogates
Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environmental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to these requirements, an acceptable recovery was reported for each surrogate addition to this group of samples.

Internal Standards
Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to these limits, acceptable performance was indicated for the internal standard additions to each program sample.

Matrix Spikes
Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

MW-11-20220420 was selected for matrix spiking. 1,4-Dioxane was added to two aliquots of this sample. The recoveries reported for these additions demonstrated acceptable levels of measurement precision and accuracy.

A pair of spiked blanks (LCS/LCSD) was also analyzed with this group of samples. The recoveries reported from these LCS samples also demonstrated acceptable levels of measurement precision and accuracy.

Duplicates
Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

A field split duplicate sample of MW-11-20220420 was included in this delivery group. Both MW-11-20220420 and its duplicate

produced negative 1,4-dioxane results. This performance satisfied the program acceptance criteria.

PFAS ORGANICS

This group of samples was extracted for PFAS analysis on 29Apr22 and the extracts were analyzed on 29Apr22 and 30Apr22. These samples satisfied the program holding time limitations.

Blanks
Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling, transport and storage activities. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

One method blank and an equipment blank were analyzed with this group of samples. Both of these blanks produced acceptable chromatography and were free of targeted analyte contamination.

Calibrations
Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

The initial instrument calibrations for PFAS were performed on 18Apr22. Standards of 0.05, 0.10, 0.50, 1.0, 5.0, 10 and 15 ng/ml were included. Each targeted analyte demonstrated an acceptable degree of linearity during these calibrations.

Three calibration check standards were analyzed between 29Apr22 and 30Apr22. When compared to the initial calibrations, each targeted analyte demonstrated an acceptable level of instrument stability during these checks.

Internal Standards
Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that instrument sensitivity and response are stable during the analysis of each sample.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, a high response was reported for the internal standards associated with FtS6:2 in MW-11-20220420 and MW-10-20220420 and FtS8:2 in GP-09-20220420 and MW-10-20220420. A low response was reported for the internal standards associated with FtS6:2 and N-MeFOSAA in GP-09-2020420. The FtS6:2 and N-MeFOSAA concentrations found in GP-09-20220420 have been qualified as estimations based

on these indications of negative bias. The positive bias observed in the remaining affected standards had no impact on the negative results from the remaining samples.

Surrogates (Isotope Dilution Analytes - IDA)
Each sample, blank and standard is spiked with IDA compounds prior to extraction and analysis. Each analyte response is then compared to an isotopically labeled version of the same compound. This technique allows for the correction of bias that might be related to the sample matrix or sample preparation activities. Each IDA must produce a specified level of response.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the method requirements, however, numerous recoveries failed to satisfy the program acceptance criteria. The samples that were affected by this performance are tabulated below.

DATA QUALIFIED DUE TO SURROGATE PERFORMANCE

SAMPLE	AFFECTED ANALYTES
MW-11-20220420	PFDoA PFBS PFBA PFOS PFPeA N-EtFOSA N-MeFOSA
GP-09-20220420	PFBS PFOS PFOSA N-EtFOSA
MW-10-20220420	PFDA PFDoA PFHxA PFTeA PFBS PFBA PFHpA PFOA PFOS PFPeA PFOSA N-EtFOSA
EQUIPMENT BLANK	PFOSA N-EtFOSA
DUPE-01-20220420	PFDA PFHxA PFBS PFBA PFHpA PFOA PFNA PFPeA PFOSA N-EtFOSA

Matrix Spikes
Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

MW-11-20220420 was selected for matrix spiking. The entire list of targeted analytes was added to two portions of this sample. The recoveries reported for these spikes included high results for FtS8:2 (145%,144%), N-MeFOSAA (141%) and PFOSA (131%). These indications of positive bias, however, warrant no concern because these analytes were not detected in MW-11.

A spiked blank (LCS) were also extracted and analyzed with this group of samples. The recoveries reported for this LCS sample included a high result for FtS8:2. This indication of positive bias, however, warrants no concern because FtS8:2 was not detected in this group of samples.

Duplicates
Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a

measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

A field split duplicate sample of MW-11-20220420 was included in this delivery group. The concentrations found in MW-11-20220420 and its duplicate differed by 12% of less. The program acceptance criteria was satisfied.

IRON

GP-09-20220420 and MW-102-20220420 were digested and analyzed for total and dissolved iron on 26Apr22. The program holding time limitations were satisfied. It is noted that the samples for dissolved iron were filtered and preserved in the field.

Calibrations
Calibration curves are constructed, using certified materials, to define the linear range of each analytical instrument. Beyond this range, measurements cannot be made with confidence. The calibration curve is immediately tested by analyzing an initial calibration verification standard (ICV). Continuing verifications (CCV) must bracket each group of up to ten samples. ICV and CCV recoveries must meet established criteria.

Each instrument calibration was immediately verified by the analysis of an ICV standard. Continuing calibration checks were made following each group of 10 samples. The calibration checks associated with this group of samples demonstrated acceptable levels of instrument performance and stability.

Contract Required Detection Limit Standards (CRDL)
To verify instrument linearity near CRDL, an ICP standard at a concentration of twice CRDL (CRI) is analyzed at the beginning and end of each analytical sequence. A standard equaling CRDL (CRA) must be included in each atomic adsorption sequence. CRDL standards must produce recoveries between 70% and 130%.

The analysis of this group of samples was bracketed by low level calibration check (CRDL) standards that produced acceptable recoveries.

Blanks
Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Preparation blanks are carried through the digestion process with each group of samples to evaluate general laboratory technique. Calibration blanks are run periodically to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

An initial calibration blank (ICB) was analyzed following the calibration in each analytical sequence. Additional blanks were

analyzed after every ten samples (CCB) and at the end of each sequence. A preparation blank was digested and analyzed with this group of samples. Each of these blanks was free of iron concentrations exceeding the laboratory's detection limit.

Interference Check Sample (ICS)
ICS standards are analyzed at the beginning of each ICP analysis sequence to verify background and inter-element correction factors. The recoveries of specified analytes are measured in the presence of interfering concentrations of aluminum, calcium, magnesium and iron.

Interference check standards, ICSA and ICSAB, were analyzed at the beginning of each analytical sequence. Each of these samples produced an acceptable recovery of iron.

Predigestion Spike
The recovery of spike concentrations added to samples prior to digestion and analysis demonstrates measurement bias caused by sample matrix effects. Predigestion spikes must be recovered within control limits of 75% - 125%.

Although a sample from this program was not selected for matrix spiking, a pair of spiked blanks (LCS/LCSD) was digested and analyzed for iron. This LCS pair demonstrated acceptable levels of measurement precision and accuracy.

Duplicates
Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

A field split duplicate sample was not included in this delivery group.

Laboratory Control Standard
Laboratory control samples are prepared by adding analytes to clean sand or reagent water. Analyte concentrations are then determined without interferences caused by sample matrix effects.

A pair of iron spiked blanks (LCS/LCSD) was digested and analyzed with this delivery group. These samples produced excellent analyte recoveries and demonstrated an acceptable level of measurement precision.

Serial Dilution Sample
Possible matrix effects are verified by the process of serial dilutions. Samples are diluted 1:5 to reduce matrix contributions that might bias measurements. The original sample result, and the corrected concentration of the diluted sample are compared. Sample data is qualified if the original concentra-

tions are not recovered within 10%. Analytes with initial concentrations below 50 times IDL are not considered.

MW-102-20220420dis was prepared as a serial dilution. The filtered iron concentration obtained from this sample differed from original result by les than 10%. The ASP acceptance criteria was satisfied.

WET CHEMISTRY

Sulfate and Total Organic Carbon (TOC)

GP-09-20220420 and MW-102-20220420 were analyzed for TOC on 01May22 and for sulfate on 03May22. The program holding time limitations were satisfied.

Although the sulfate results from this delivery group were associated with linear calibration curves and stable verification standards, the TOC standard preceding the analysis of GP-09-20220420 exceeded the program acceptance criteria (130%). The TOC results from GP-09-20220420 have been qualified as estimations based on this indication of positive bias.

The method blanks associated with this group of program were clean.

Although a sample from this program was not selected for matrix spiking, a spiked blank (LCS) was analyzed for TOC and sulfate. Both of these LCS samples demonstrated an acceptable level of measurement accuracy.

SUMMARY OF QUALIFIED DATA

FORMER AUTOHAUS OF ROCHESTER SITE SAMPLED: APRIL 2022

		CALIBRATE 1,4-DIOXANE	SPIKES BRMANE	MS ID ETHBENZ	INT STD FtS6:2	INT STD N-MeFOSAA	SURROGATES
MW-11-20220420	(R2203594-01)						SUR*
GP-09-20220420	(R2203594-02)	REJECT			1.7UJ	0.57UJ	SUR*
GP-09-20220420DISS	(R2203594-03)						
MW-102-20220420	(R2203594-04)	REJECT	1.0UJ				SUR*
MW-102-20220420DISS	(R2203594-05)						
MW-10-20220420	(R2203594-06)						SUR*
DUPE-01-20220420	(R2203594-08)						SUE*
DUPE-02-20220421	(R2203594-09)	REJECT		5.0U			
TRIP BLANK-20220420	(R2203594-10)	REJECT					

SUR* = see table of PFAS surrogate qualifications on Page 10.

		CALIBRATE TOC
MW-11-20220420	(R2203594-01)	
GP-09-20220420	(R2203594-02)	ALL J
GP-09-20220420DISS	(R2203594-03)	
MW-102-20220420	(R2203594-04)	
MW-102-20220420DISS	(R2203594-05)	
MW-10-20220420	(R2203594-06)	
DUPE-01-20220420	(R2203594-08)	
DUPE-02-20220421	(R2203594-09)	
TRIP BLANK-20220420	(R2203594-10)	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2,2-Tetrachloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2-Trichloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.0	5	05/01/22 14:18	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.0	5	05/01/22 14:18	
1,2,3-Trichlorobenzene	ND U	5.0	1.3	5	05/01/22 14:18	
1,2,4-Trichlorobenzene	ND U	5.0	1.7	5	05/01/22 14:18	
1,2,4-Trimethylbenzene	**5.9**	5.0	1.0	5	05/01/22 14:18	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	10	2.3	5	05/01/22 14:18	
1,2-Dibromoethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,2-Dichlorobenzene	**57**	5.0	1.0	5	05/01/22 14:18	
1,2-Dichloroethane	ND U	5.0	1.0	5	05/01/22 14:18	
1,2-Dichloropropane	ND U	5.0	1.0	5	05/01/22 14:18	
1,3,5-Trimethylbenzene	**1.7 J**	5.0	1.0	5	05/01/22 14:18	
1,3-Dichlorobenzene	ND U	5.0	1.0	5	05/01/22 14:18	
1,4-Dichlorobenzene	**4.5 J**	5.0	1.0	5	05/01/22 14:18	
1,4-Dioxane	~~ND U~~ R	200	65	5	05/01/22 14:18	
2-Butanone (MEK)	ND U	25	3.9	5	05/01/22 14:18	
2-Hexanone	ND U	25	1.0	5	05/01/22 14:18	
4-Isopropyltoluene	ND U	5.0	1.0	5	05/01/22 14:18	
4-Methyl-2-pentanone	ND U	25	1.0	5	05/01/22 14:18	
Acetone	ND U	25	25	5	05/01/22 14:18	
Benzene	ND U	5.0	1.0	5	05/01/22 14:18	
Bromochloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Bromodichloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Bromoform	ND U	5.0	1.3	5	05/01/22 14:18	
Bromomethane	ND U	5.0	3.5	5	05/01/22 14:18	
Carbon Disulfide	ND U	5.0	2.1	5	05/01/22 14:18	
Carbon Tetrachloride	ND U	5.0	1.7	5	05/01/22 14:18	
Chlorobenzene	ND U	5.0	1.0	5	05/01/22 14:18	
Chloroethane	ND U	5.0	1.2	5	05/01/22 14:18	
Chloroform	**2.5 J**	5.0	1.2	5	05/01/22 14:18	
Chloromethane	ND U	5.0	1.4	5	05/01/22 14:18	
Cyclohexane	ND U	5.0	1.3	5	05/01/22 14:18	
Dibromochloromethane	ND U	5.0	1.0	5	05/01/22 14:18	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.1	5	05/01/22 14:18	
Dichloromethane	ND U	5.0	3.3	5	05/01/22 14:18	
Ethylbenzene	**2.2 J**	5.0	1.0	5	05/01/22 14:18	
Isopropylbenzene (Cumene)	**1.1 J**	5.0	1.0	5	05/01/22 14:18	
Methyl Acetate	ND U	10	1.7	5	05/01/22 14:18	
Methyl tert-Butyl Ether	ND U	5.0	1.0	5	05/01/22 14:18	
Methylcyclohexane	ND U	5.0	1.0	5	05/01/22 14:18	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**12**	5.0	2.8	5	05/01/22 14:18	
Styrene	ND U	5.0	1.0	5	05/01/22 14:18	
Tetrachloroethene (PCE)	ND U	5.0	1.1	5	05/01/22 14:18	
Toluene	ND U	5.0	1.0	5	05/01/22 14:18	
Trichloroethene (TCE)	ND U	5.0	1.0	5	05/01/22 14:18	
Trichlorofluoromethane (CFC 11)	ND U	5.0	1.2	5	05/01/22 14:18	
Vinyl Chloride	ND U	5.0	1.0	5	05/01/22 14:18	
cis-1,2-Dichloroethene	ND U	5.0	1.2	5	05/01/22 14:18	
cis-1,3-Dichloropropene	ND U	5.0	1.0	5	05/01/22 14:18	
m,p-Xylenes	**2.4 J**	10	1.0	5	05/01/22 14:18	
n-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
n-Propylbenzene	**1.6 J**	5.0	1.0	5	05/01/22 14:18	
o-Xylene	**1.8 J**	5.0	1.0	5	05/01/22 14:18	
sec-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
tert-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:18	
trans-1,2-Dichloroethene	ND U	5.0	1.0	5	05/01/22 14:18	
trans-1,3-Dichloropropene	ND U	5.0	1.2	5	05/01/22 14:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	05/01/22 14:18	
Dibromofluoromethane	106	80 - 116	05/01/22 14:18	
Toluene-d8	98	87 - 121	05/01/22 14:18	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 13:56	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 13:56	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 13:56	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 13:56	
1,2,4-Trimethylbenzene	**1.2**	1.0	0.20	1	05/01/22 13:56	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 13:56	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,2-Dichlorobenzene	**41**	1.0	0.20	1	05/01/22 13:56	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 13:56	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 13:56	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:56	
1,3-Dichlorobenzene	**0.34 J**	1.0	0.20	1	05/01/22 13:56	
1,4-Dichlorobenzene	**4.0**	1.0	0.20	1	05/01/22 13:56	
1,4-Dioxane	~~ND U~~ R	40	13	1	05/01/22 13:56	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 13:56	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 13:56	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 13:56	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 13:56	
Acetone	ND U	5.0	5.0	1	05/01/22 13:56	
Benzene	ND U	1.0	0.20	1	05/01/22 13:56	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Bromoform	ND U	1.0	0.25	1	05/01/22 13:56	
Bromomethane	~~ND U~~ UJ	1.0	0.70	1	05/01/22 13:56	
Carbon Disulfide	**3.3**	1.0	0.42	1	05/01/22 13:56	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 13:56	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 13:56	
Chloroethane	ND U	1.0	0.23	1	05/01/22 13:56	
Chloroform	ND U	1.0	0.24	1	05/01/22 13:56	
Chloromethane	ND U	1.0	0.28	1	05/01/22 13:56	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 13:56	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 13:56	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 13:56	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 13:56	
Ethylbenzene	**0.66 J**	1.0	0.20	1	05/01/22 13:56	
Isopropylbenzene (Cumene)	**0.40 J**	1.0	0.20	1	05/01/22 13:56	
Methyl Acetate	ND U	2.0	0.33	1	05/01/22 13:56	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 13:56	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 13:56	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**11**	1.0	0.55	1	05/01/22 13:56	
Styrene	ND U	1.0	0.20	1	05/01/22 13:56	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 13:56	
Toluene	ND U	1.0	0.20	1	05/01/22 13:56	
Trichloroethene (TCE)	**0.34 J**	1.0	0.20	1	05/01/22 13:56	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 13:56	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 13:56	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 13:56	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 13:56	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 13:56	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:56	
n-Propylbenzene	**0.56 J**	1.0	0.20	1	05/01/22 13:56	
o-Xylene	ND U	1.0	0.20	1	05/01/22 13:56	
sec-Butylbenzene	**0.46 J**	1.0	0.20	1	05/01/22 13:56	
tert-Butylbenzene	**0.35 J**	1.0	0.20	1	05/01/22 13:56	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 13:56	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 13:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	05/01/22 13:56	
Dibromofluoromethane	108	80 - 116	05/01/22 13:56	
Toluene-d8	100	87 - 121	05/01/22 13:56	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/21/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-02-20220421	**Units:**	ug/L
Lab Code:	R2203594-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2,2-Tetrachloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2-Trichloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,1-Dichloroethane (1,1-DCA)	ND U	5.0	1.0	5	05/01/22 14:40	
1,1-Dichloroethene (1,1-DCE)	ND U	5.0	1.0	5	05/01/22 14:40	
1,2,3-Trichlorobenzene	ND U	5.0	1.3	5	05/01/22 14:40	
1,2,4-Trichlorobenzene	ND U	5.0	1.7	5	05/01/22 14:40	
1,2,4-Trimethylbenzene	**1.1 J**	5.0	1.0	5	05/01/22 14:40	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	10	2.3	5	05/01/22 14:40	
1,2-Dibromoethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,2-Dichlorobenzene	**36**	5.0	1.0	5	05/01/22 14:40	
1,2-Dichloroethane	ND U	5.0	1.0	5	05/01/22 14:40	
1,2-Dichloropropane	ND U	5.0	1.0	5	05/01/22 14:40	
1,3,5-Trimethylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
1,3-Dichlorobenzene	ND U	5.0	1.0	5	05/01/22 14:40	
1,4-Dichlorobenzene	**4.4 J**	5.0	1.0	5	05/01/22 14:40	
1,4-Dioxane	~~ND U~~ R	200	65	5	05/01/22 14:40	
2-Butanone (MEK)	ND U	25	3.9	5	05/01/22 14:40	
2-Hexanone	ND U	25	1.0	5	05/01/22 14:40	
4-Isopropyltoluene	ND U	5.0	1.0	5	05/01/22 14:40	
4-Methyl-2-pentanone	ND U	25	1.0	5	05/01/22 14:40	
Acetone	ND U	25	25	5	05/01/22 14:40	
Benzene	ND U	5.0	1.0	5	05/01/22 14:40	
Bromochloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Bromodichloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Bromoform	ND U	5.0	1.3	5	05/01/22 14:40	
Bromomethane	ND U	5.0	3.5	5	05/01/22 14:40	
Carbon Disulfide	ND U	5.0	2.1	5	05/01/22 14:40	
Carbon Tetrachloride	ND U	5.0	1.7	5	05/01/22 14:40	
Chlorobenzene	ND U	5.0	1.0	5	05/01/22 14:40	
Chloroethane	ND U	5.0	1.2	5	05/01/22 14:40	
Chloroform	ND U	5.0	1.2	5	05/01/22 14:40	
Chloromethane	ND U	5.0	1.4	5	05/01/22 14:40	
Cyclohexane	ND U	5.0	1.3	5	05/01/22 14:40	
Dibromochloromethane	ND U	5.0	1.0	5	05/01/22 14:40	
Dichlorodifluoromethane (CFC 12)	ND U	5.0	1.1	5	05/01/22 14:40	
Dichloromethane	ND U	5.0	3.3	5	05/01/22 14:40	
Ethylbenzene	~~1.1 J~~ 5.0 U	5.0	1.0	5	05/01/22 14:40	
Isopropylbenzene (Cumene)	ND U	5.0	1.0	5	05/01/22 14:40	
Methyl Acetate	ND U	10	1.7	5	05/01/22 14:40	
Methyl tert-Butyl Ether	ND U	5.0	1.0	5	05/01/22 14:40	
Methylcyclohexane	ND U	5.0	1.0	5	05/01/22 14:40	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/21/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-02-20220421	**Units:**	ug/L
Lab Code:	R2203594-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	**9.9**	5.0	2.8	5	05/01/22 14:40	
Styrene	ND U	5.0	1.0	5	05/01/22 14:40	
Tetrachloroethene (PCE)	ND U	5.0	1.1	5	05/01/22 14:40	
Toluene	ND U	5.0	1.0	5	05/01/22 14:40	
Trichloroethene (TCE)	ND U	5.0	1.0	5	05/01/22 14:40	
Trichlorofluoromethane (CFC 11)	ND U	5.0	1.2	5	05/01/22 14:40	
Vinyl Chloride	ND U	5.0	1.0	5	05/01/22 14:40	
cis-1,2-Dichloroethene	ND U	5.0	1.2	5	05/01/22 14:40	
cis-1,3-Dichloropropene	ND U	5.0	1.0	5	05/01/22 14:40	
m,p-Xylenes	ND U	10	1.0	5	05/01/22 14:40	
n-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
n-Propylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
o-Xylene	ND U	5.0	1.0	5	05/01/22 14:40	
sec-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
tert-Butylbenzene	ND U	5.0	1.0	5	05/01/22 14:40	
trans-1,2-Dichloroethene	ND U	5.0	1.0	5	05/01/22 14:40	
trans-1,3-Dichloropropene	ND U	5.0	1.2	5	05/01/22 14:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/01/22 14:40	
Dibromofluoromethane	103	80 - 116	05/01/22 14:40	
Toluene-d8	100	87 - 121	05/01/22 14:40	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Trip Blank-20220420	**Units:**	ug/L
Lab Code:	R2203594-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 13:35	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 13:35	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 13:35	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 13:35	
1,2,4-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 13:35	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 13:35	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 13:35	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,3-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,4-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
1,4-Dioxane	~~ND U~~ R	40	13	1	05/01/22 13:35	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 13:35	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 13:35	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 13:35	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 13:35	
Acetone	ND U	5.0	5.0	1	05/01/22 13:35	
Benzene	ND U	1.0	0.20	1	05/01/22 13:35	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Bromoform	ND U	1.0	0.25	1	05/01/22 13:35	
Bromomethane	ND U	1.0	0.70	1	05/01/22 13:35	
Carbon Disulfide	ND U	1.0	0.42	1	05/01/22 13:35	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 13:35	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 13:35	
Chloroethane	ND U	1.0	0.23	1	05/01/22 13:35	
Chloroform	ND U	1.0	0.24	1	05/01/22 13:35	
Chloromethane	ND U	1.0	0.28	1	05/01/22 13:35	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 13:35	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 13:35	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 13:35	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 13:35	
Ethylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
Isopropylbenzene (Cumene)	~~ND U~~	1.0	0.20	1	05/01/22 13:35	
Methyl Acetate	**0.71 J**	2.0	0.33	1	05/01/22 13:35	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 13:35	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 13:35	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Trip Blank-20220420	**Units:**	ug/L
Lab Code:	R2203594-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	ND U	1.0	0.55	1	05/01/22 13:35	
Styrene	ND U	1.0	0.20	1	05/01/22 13:35	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 13:35	
Toluene	ND U	1.0	0.20	1	05/01/22 13:35	
Trichloroethene (TCE)	ND U	1.0	0.20	1	05/01/22 13:35	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 13:35	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 13:35	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 13:35	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 13:35	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 13:35	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
n-Propylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
o-Xylene	ND U	1.0	0.20	1	05/01/22 13:35	
sec-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
tert-Butylbenzene	ND U	1.0	0.20	1	05/01/22 13:35	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 13:35	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 13:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/01/22 13:35	
Dibromofluoromethane	104	80 - 116	05/01/22 13:35	
Toluene-d8	99	87 - 121	05/01/22 13:35	

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 80-116	Toluene-d8 87-121
GP-09-20220420	R2203594-002	103	106	98
MW-102-20220420	R2203594-004	101	108	100
Dupe-02-20220421	R2203594-009	98	103	100
Trip Blank-20220420	R2203594-010	98	104	99
Method Blank	RQ2204696-08	100	105	101
Lab Control Sample	RQ2204696-07	102	106	99
MW-102-20220420 MS	RQ2204696-09	100	107	101
MW-102-20220420 DMS	RQ2204696-10	100	108	102

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	05/1/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2204696-09			Duplicate Matrix Spike RQ2204696-10					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	ND U	55.5	50.0	111	59.3	50.0	119	74-127	7	30
1,1,2,2-Tetrachloroethane	ND U	44.3	50.0	89	47.0	50.0	94	72-122	6	30
1,1,2-Trichloroethane	ND U	45.2	50.0	90	47.2	50.0	94	82-121	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	51.0	50.0	102	52.6	50.0	105	50-147	3	30
1,1-Dichloroethane (1,1-DCA)	ND U	50.9	50.0	102	54.8	50.0	110	74-132	8	30
1,1-Dichloroethene (1,1-DCE)	ND U	51.8	50.0	104	53.9	50.0	108	71-118	4	30
1,2,3-Trichlorobenzene	ND U	47.7	50.0	95	48.8	50.0	98	59-129	2	30
1,2,4-Trichlorobenzene	ND U	48.2	50.0	96	50.6	50.0	101	69-122	5	30
1,2,4-Trimethylbenzene	1.2	48.9	50.0	95	51.7	50.0	101	73-133	6	30
1,2-Dibromo-3-chloropropane (DBCP)	ND U	50.1	50.0	100	55.9	50.0	112	37-150	11	30
1,2-Dibromoethane	ND U	45.3	50.0	91	46.2	50.0	92	67-127	2	30
1,2-Dichlorobenzene	41	85.0	50.0	87	87.7	50.0	93	77-120	3	30
1,2-Dichloroethane	ND U	50.3	50.0	101	51.3	50.0	103	68-130	2	30
1,2-Dichloropropane	ND U	43.8	50.0	88	46.9	50.0	94	79-124	7	30
1,3,5-Trimethylbenzene	ND U	48.4	50.0	97	51.9	50.0	104	81-131	7	30
1,3-Dichlorobenzene	0.34 J	45.2	50.0	90	47.6	50.0	95	83-121	5	30
1,4-Dichlorobenzene	4.0	48.9	50.0	90	51.8	50.0	96	82-120	6	30
1,4-Dioxane	ND U	948	1000	95	893	1000	89	44-154	6	30
2-Butanone (MEK)	ND U	42.4	50.0	85	42.7	50.0	85	61-137	<1	30
2-Hexanone	ND U	43.6	50.0	87	45.1	50.0	90	56-132	3	30
4-Isopropyltoluene	ND U	47.7	50.0	95	50.8	50.0	102	78-133	6	30
4-Methyl-2-pentanone	ND U	46.0	50.0	92	47.9	50.0	96	60-141	4	30
Acetone	ND U	54.8	50.0	110	56.7	50.0	113	35-183	3	30
Benzene	ND U	48.3	50.0	97	49.5	50.0	99	76-129	2	30
Bromochloromethane	ND U	47.8	50.0	96	48.5	50.0	97	80-122	1	30
Bromodichloromethane	ND U	50.3	50.0	101	54.7	50.0	109	78-133	8	30
Bromoform	ND U	55.2	50.0	110	62.2	50.0	124	58-133	12	30
Bromomethane	ND U	32.7	50.0	65	37.4	50.0	75	10-184	13	30
Carbon Disulfide	3.3	48.6	50.0	91	50.9	50.0	95	59-140	5	30
Carbon Tetrachloride	ND U	56.1	50.0	112	59.7	50.0	119	65-135	6	30
Chlorobenzene	ND U	48.4	50.0	97	48.5	50.0	97	76-125	<1	30
Chloroethane	ND U	63.1	50.0	126	61.0	50.0	122	48-146	3	30
Chloroform	ND U	50.7	50.0	101	52.1	50.0	104	75-130	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	05/1/22
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-102-20220420	**Units:**	ug/L
Lab Code:	R2203594-004	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2204696-09			Duplicate Matrix Spike RQ2204696-10					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	ND U	65.2	50.0	130	64.3	50.0	129	55-160	1	30
Cyclohexane	ND U	46.9	50.0	94	47.3	50.0	95	52-145	<1	30
Dibromochloromethane	ND U	57.4	50.0	115	62.2	50.0	124	72-128	8	30
Dichlorodifluoromethane (CFC 12)	ND U	55.5	50.0	111	57.7	50.0	115	49-154	4	30
Dichloromethane	ND U	53.3	50.0	107	53.4	50.0	107	73-122	<1	30
Ethylbenzene	0.66 J	52.6	50.0	104	52.7	50.0	104	72-134	<1	30
Isopropylbenzene (Cumene)	0.40 J	53.1	50.0	105	55.3	50.0	110	77-128	4	30
Methyl Acetate	ND U	35.5	50.0	71	35.7	50.0	71	26-121	<1	30
Methyl tert-Butyl Ether	ND U	49.4	50.0	99	50.8	50.0	102	75-119	3	30
Methylcyclohexane	ND U	48.3	50.0	97	47.3	50.0	95	45-146	2	30
Naphthalene	11	61.0	50.0	100	63.9	50.0	105	57-153	5	30
Styrene	ND U	49.6	50.0	99	49.9	50.0	100	74-136	<1	30
Tetrachloroethene (PCE)	ND U	47.7	50.0	95	48.4	50.0	97	72-125	1	30
Toluene	ND U	49.8	50.0	100	51.2	50.0	102	79-119	3	30
Trichloroethene (TCE)	0.34 J	47.0	50.0	93	48.6	50.0	97	74-122	3	30
Trichlorofluoromethane (CFC 11)	ND U	59.0	50.0	118	62.0	50.0	124	71-136	5	30
Vinyl Chloride	ND U	59.8	50.0	120	61.0	50.0	122	74-159	2	30
cis-1,2-Dichloroethene	ND U	52.4	50.0	105	52.6	50.0	105	77-127	<1	30
cis-1,3-Dichloropropene	ND U	44.4	50.0	89	47.8	50.0	96	52-134	7	30
m,p-Xylenes	ND U	100	100	100	101	100	101	80-126	<1	30
n-Butylbenzene	ND U	47.5	50.0	95	50.6	50.0	101	78-133	6	30
n-Propylbenzene	0.56 J	50.6	50.0	100	53.4	50.0	106	78-131	5	30
o-Xylene	ND U	50.3	50.0	101	50.3	50.0	101	79-123	<1	30
sec-Butylbenzene	0.46 J	49.7	50.0	99	52.2	50.0	104	75-129	5	30
tert-Butylbenzene	0.35 J	50.9	50.0	101	52.4	50.0	104	68-127	3	30
trans-1,2-Dichloroethene	ND U	50.3	50.0	101	53.4	50.0	107	73-118	6	30
trans-1,3-Dichloropropene	ND U	41.9	50.0	84	44.5	50.0	89	71-133	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Analyzed:**	05/01/22 12:07
Sample Matrix:	Water	**Date Extracted:**	

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-12
Lab Code:	RQ2204696-08	**File ID:**	I:\ACQUDATA\msvoa12\Data\050122\L3364.D\
Analysis Method:	8260C	**Analysis Lot:**	762603
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2204696-07	I:\ACQUDATA\msvoa12\Data\050122\L3361.D\	05/01/22 10:50
Trip Blank-20220420	R2203594-010	I:\ACQUDATA\msvoa12\Data\050122\L3368.D\	05/01/22 13:35
MW-102-20220420	R2203594-004	I:\ACQUDATA\msvoa12\Data\050122\L3369.D\	05/01/22 13:56
GP-09-20220420	R2203594-002	I:\ACQUDATA\msvoa12\Data\050122\L3370.D\	05/01/22 14:18
Dupe-02-20220421	R2203594-009	I:\ACQUDATA\msvoa12\Data\050122\L3371.D\	05/01/22 14:40
MW-102-20220420MS	RQ2204696-09	I:\ACQUDATA\msvoa12\Data\050122\L3386.D\	05/01/22 20:08
MW-102-20220420DMS	RQ2204696-10	I:\ACQUDATA\msvoa12\Data\050122\L3387.D\	05/01/22 20:30

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204696-08	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2,2-Tetrachloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2-Trichloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	0.20	1	05/01/22 12:07	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	0.20	1	05/01/22 12:07	
1,2,3-Trichlorobenzene	ND U	1.0	0.25	1	05/01/22 12:07	
1,2,4-Trichlorobenzene	ND U	1.0	0.34	1	05/01/22 12:07	
1,2,4-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	0.45	1	05/01/22 12:07	
1,2-Dibromoethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichloroethane	ND U	1.0	0.20	1	05/01/22 12:07	
1,2-Dichloropropane	ND U	1.0	0.20	1	05/01/22 12:07	
1,3,5-Trimethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,3-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,4-Dichlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
1,4-Dioxane	ND U	40	13	1	05/01/22 12:07	
2-Butanone (MEK)	ND U	5.0	0.78	1	05/01/22 12:07	
2-Hexanone	ND U	5.0	0.20	1	05/01/22 12:07	
4-Isopropyltoluene	ND U	1.0	0.20	1	05/01/22 12:07	
4-Methyl-2-pentanone	ND U	5.0	0.20	1	05/01/22 12:07	
Acetone	ND U	5.0	5.0	1	05/01/22 12:07	
Benzene	ND U	1.0	0.20	1	05/01/22 12:07	
Bromochloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Bromodichloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Bromoform	ND U	1.0	0.25	1	05/01/22 12:07	
Bromomethane	ND U	1.0	0.70	1	05/01/22 12:07	
Carbon Disulfide	ND U	1.0	0.42	1	05/01/22 12:07	
Carbon Tetrachloride	ND U	1.0	0.34	1	05/01/22 12:07	
Chlorobenzene	ND U	1.0	0.20	1	05/01/22 12:07	
Chloroethane	ND U	1.0	0.23	1	05/01/22 12:07	
Chloroform	ND U	1.0	0.24	1	05/01/22 12:07	
Chloromethane	ND U	1.0	0.28	1	05/01/22 12:07	
Cyclohexane	ND U	1.0	0.26	1	05/01/22 12:07	
Dibromochloromethane	ND U	1.0	0.20	1	05/01/22 12:07	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	0.21	1	05/01/22 12:07	
Dichloromethane	ND U	1.0	0.65	1	05/01/22 12:07	
Ethylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
Isopropylbenzene (Cumene)	ND U	1.0	0.20	1	05/01/22 12:07	
Methyl Acetate	ND U	2.0	0.33	1	05/01/22 12:07	
Methyl tert-Butyl Ether	ND U	1.0	0.20	1	05/01/22 12:07	
Methylcyclohexane	ND U	1.0	0.20	1	05/01/22 12:07	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204696-08	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	ND U	1.0	0.55	1	05/01/22 12:07	
Styrene	ND U	1.0	0.20	1	05/01/22 12:07	
Tetrachloroethene (PCE)	ND U	1.0	0.21	1	05/01/22 12:07	
Toluene	ND U	1.0	0.20	1	05/01/22 12:07	
Trichloroethene (TCE)	ND U	1.0	0.20	1	05/01/22 12:07	
Trichlorofluoromethane (CFC 11)	ND U	1.0	0.24	1	05/01/22 12:07	
Vinyl Chloride	ND U	1.0	0.20	1	05/01/22 12:07	
cis-1,2-Dichloroethene	ND U	1.0	0.23	1	05/01/22 12:07	
cis-1,3-Dichloropropene	ND U	1.0	0.20	1	05/01/22 12:07	
m,p-Xylenes	ND U	2.0	0.20	1	05/01/22 12:07	
n-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
n-Propylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
o-Xylene	ND U	1.0	0.20	1	05/01/22 12:07	
sec-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
tert-Butylbenzene	ND U	1.0	0.20	1	05/01/22 12:07	
trans-1,2-Dichloroethene	ND U	1.0	0.20	1	05/01/22 12:07	
trans-1,3-Dichloropropene	ND U	1.0	0.23	1	05/01/22 12:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/01/22 12:07	
Dibromofluoromethane	105	80 - 116	05/01/22 12:07	
Toluene-d8	101	87 - 121	05/01/22 12:07	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Analyzed:**	05/01/22 10:50
Sample Matrix:	Water	**Date Extracted:**	

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	R-MS-12
Lab Code:	RQ2204696-07	**File ID:**	I:\ACQUDATA\msvoa12\Data\050122\L3361.D\
Analysis Method:	8260C	**Analysis Lot:**	762603
Prep Method:	EPA 5030C		

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2204696-08	I:\ACQUDATA\msvoa12\Data\050122\L3364.D\	05/01/22 12:07
Trip Blank-20220420	R2203594-010	I:\ACQUDATA\msvoa12\Data\050122\L3368.D\	05/01/22 13:35
MW-102-20220420	R2203594-004	I:\ACQUDATA\msvoa12\Data\050122\L3369.D\	05/01/22 13:56
GP-09-20220420	R2203594-002	I:\ACQUDATA\msvoa12\Data\050122\L3370.D\	05/01/22 14:18
Dupe-02-20220421	R2203594-009	I:\ACQUDATA\msvoa12\Data\050122\L3371.D\	05/01/22 14:40
MW-102-20220420MS	RQ2204696-09	I:\ACQUDATA\msvoa12\Data\050122\L3386.D\	05/01/22 20:08
MW-102-20220420DMS	RQ2204696-10	I:\ACQUDATA\msvoa12\Data\050122\L3387.D\	05/01/22 20:30

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 05/01/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2204696-07

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	20.6	20.0	103	75-125
1,1,2,2-Tetrachloroethane	8260C	19.0	20.0	95	78-126
1,1,2-Trichloroethane	8260C	19.2	20.0	96	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.1	20.0	96	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	20.1	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.7	20.0	99	71-118
1,2,3-Trichlorobenzene	8260C	18.8	20.0	94	67-136
1,2,4-Trichlorobenzene	8260C	19.8	20.0	99	75-132
1,2,4-Trimethylbenzene	8260C	19.0	20.0	95	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	20.4	20.0	102	55-136
1,2-Dibromoethane	8260C	18.9	20.0	95	82-127
1,2-Dichlorobenzene	8260C	19.2	20.0	96	80-119
1,2-Dichloroethane	8260C	20.7	20.0	104	71-127
1,2-Dichloropropane	8260C	16.7	20.0	83	80-119
1,3,5-Trimethylbenzene	8260C	19.4	20.0	97	81-128
1,3-Dichlorobenzene	8260C	18.4	20.0	92	83-121
1,4-Dichlorobenzene	8260C	19.1	20.0	96	79-119
1,4-Dioxane	8260C	328	400	82	44-154
2-Butanone (MEK)	8260C	16.3	20.0	81	61-137
2-Hexanone	8260C	17.1	20.0	86	63-124
4-Isopropyltoluene	8260C	18.8	20.0	94	78-133
4-Methyl-2-pentanone	8260C	17.3	20.0	87	66-124
Acetone	8260C	17.4	20.0	87	40-161
Benzene	8260C	18.5	20.0	93	79-119
Bromochloromethane	8260C	19.3	20.0	96	81-126
Bromodichloromethane	8260C	21.6	20.0	108	81-123
Bromoform	8260C	28.3	20.0	142	65-146
Bromomethane	8260C	20.6	20.0	103	42-166
Carbon Disulfide	8260C	18.4	20.0	92	66-128
Carbon Tetrachloride	8260C	21.4	20.0	107	70-127
Chlorobenzene	8260C	18.7	20.0	94	80-121
Chloroethane	8260C	21.8	20.0	109	62-131
Chloroform	8260C	20.4	20.0	102	79-120

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 05/01/22

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2204696-07

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	25.6	20.0	128	65-135
Cyclohexane	8260C	17.0	20.0	85	69-120
Dibromochloromethane	8260C	26.3	20.0	131 *	72-128
Dichlorodifluoromethane (CFC 12)	8260C	22.0	20.0	110	59-155
Dichloromethane	8260C	21.0	20.0	105	73-122
Ethylbenzene	8260C	20.2	20.0	101	76-120
Isopropylbenzene (Cumene)	8260C	19.9	20.0	99	77-128
Methyl Acetate	8260C	14.2	20.0	71	61-133
Methyl tert-Butyl Ether	8260C	19.6	20.0	98	75-118
Methylcyclohexane	8260C	17.6	20.0	88	51-129
Naphthalene	8260C	19.6	20.0	98	59-140
Styrene	8260C	19.6	20.0	98	80-124
Tetrachloroethene (PCE)	8260C	19.6	20.0	98	72-125
Toluene	8260C	19.1	20.0	95	79-119
Trichloroethene (TCE)	8260C	18.0	20.0	90	74-122
Trichlorofluoromethane (CFC 11)	8260C	23.0	20.0	115	71-136
Vinyl Chloride	8260C	21.9	20.0	110	74-159
cis-1,2-Dichloroethene	8260C	19.6	20.0	98	80-121
cis-1,3-Dichloropropene	8260C	19.8	20.0	99	77-122
m,p-Xylenes	8260C	37.4	40.0	93	80-126
n-Butylbenzene	8260C	18.4	20.0	92	78-133
n-Propylbenzene	8260C	19.9	20.0	100	78-131
o-Xylene	8260C	19.6	20.0	98	79-123
sec-Butylbenzene	8260C	19.9	20.0	99	75-129
tert-Butylbenzene	8260C	19.4	20.0	97	76-126
trans-1,2-Dichloroethene	8260C	20.2	20.0	101	73-118
trans-1,3-Dichloropropene	8260C	18.7	20.0	93	71-133

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594
Date Analyzed:05/01/22 09:53

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050122\L3359.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 762603

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	19.8	32747	Pass
75	95	30	60	52.1	86093	Pass
95	95	100	100	100.0	165243	Pass
96	95	5	9	6.6	10983	Pass
173	174	0	2	0.7	865	Pass
174	95	50	120	72.7	120189	Pass
175	174	5	9	8.1	9720	Pass
176	174	95	101	96.0	115344	Pass
177	176	5	9	6.1	7034	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2204696-06	I:\ACQUDATA\msvoa12\Data\050122\L3360.D\	05/01/22 10:22	
Lab Control Sample	RQ2204696-07	I:\ACQUDATA\msvoa12\Data\050122\L3361.D\	05/01/22 10:50	
Method Blank	RQ2204696-08	I:\ACQUDATA\msvoa12\Data\050122\L3364.D\	05/01/22 12:07	
Trip Blank-20220420	R2203594-010	I:\ACQUDATA\msvoa12\Data\050122\L3368.D\	05/01/22 13:35	
MW-102-20220420	R2203594-004	I:\ACQUDATA\msvoa12\Data\050122\L3369.D\	05/01/22 13:56	
GP-09-20220420	R2203594-002	I:\ACQUDATA\msvoa12\Data\050122\L3370.D\	05/01/22 14:18	
Dupe-02-20220421	R2203594-009	I:\ACQUDATA\msvoa12\Data\050122\L3371.D\	05/01/22 14:40	
MW-102-20220420	RQ2204696-09	I:\ACQUDATA\msvoa12\Data\050122\L3386.D\	05/01/22 20:08	
MW-102-20220420	RQ2204696-10	I:\ACQUDATA\msvoa12\Data\050122\L3387.D\	05/01/22 20:30	

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594
Date Analyzed:05/01/22 10:22

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050122\L3360.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ2204696-06
Analysis Lot:762603
Signal ID:1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	214,428	11.83	474,906	6.52	431,748	9.8
	Upper Limit ==>	428,856	12.00	949,812	6.69	863,496	9.97
	Lower Limit ==>	107,214	11.66	237,453	6.35	215,874	9.63
Associated Analyses							
Lab Control Sample	RQ2204696-07	220521	11.83	487846	6.52	432758	9.80
Method Blank	RQ2204696-08	207107	11.83	462447	6.51	435701	9.80
Trip Blank-20220420	R2203594-010	207108	11.84	479340	6.52	431184	9.80
MW-102-20220420	R2203594-004	206193	11.83	468260	6.52	426449	9.80
GP-09-20220420	R2203594-002	212292	11.84	479667	6.52	435549	9.80
Dupe-02-20220421	R2203594-009	209473	11.84	474569	6.52	417988	9.80
MW-102-20220420MS	RQ2204696-09	221396	11.83	467084	6.52	422913	9.80
MW-102-20220420DMS	RQ2204696-10	222183	11.83	479034	6.52	439522	9.80

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594
Date Analyzed:05/01/22 10:22

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050122\L3360.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ2204696-06
Analysis Lot:762603
Signal ID:1

		Pentafluorobenzene	
		Area	**RT**
	Result ==>	276,050	5.44
	Upper Limit ==>	552,100	5.61
	Lower Limit ==>	138,025	5.27
Associated Analyses			
Lab Control Sample	RQ2204696-07	288612	5.44
Method Blank	RQ2204696-08	270525	5.44
Trip Blank-20220420	R2203594-010	278667	5.44
MW-102-20220420	R2203594-004	275002	5.44
GP-09-20220420	R2203594-002	269846	5.45
Dupe-02-20220421	R2203594-009	282906	5.45
MW-102-20220420MS	RQ2204696-09	268622	5.44
MW-102-20220420DMS	RQ2204696-10	277629	5.44

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 11:00
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-11-20220420	**Units:**	ug/L
Lab Code:	R2203594-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 20:57	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	91	64 - 124	04/25/22 20:57	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Units:**	ug/L
Lab Code:	R2203594-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**0.84**	0.040	0.027	1	04/25/22 21:47	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	96	64 - 124	04/25/22 21:47	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 10:00
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-10-20220420	**Units:**	ug/L
Lab Code:	R2203594-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 22:04	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	90	64 - 124	04/25/22 22:04	

Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	Dupe-01-20220420	**Units:**	ug/L
Lab Code:	R2203594-008	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 22:22	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	93	64 - 124	04/25/22 22:22	

ALS Group USA, Corp.
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QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Extraction Method: EPA 3535A

Sample Name	Lab Code	Tetrahydrofuran-d8 (SUR) 64-124
MW-11-20220420	R2203594-001	91
GP-09-20220420	R2203594-002	96
MW-10-20220420	R2203594-006	90
Dupe-01-20220420	R2203594-008	93
Method Blank	RQ2204366-01	86
Lab Control Sample	RQ2204366-02	93
Duplicate Lab Control Sample	RQ2204366-03	90
MW-11-20220420 MS	RQ2204366-06	92
MW-11-20220420 DMS	RQ2204366-07	91

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22
Sample Matrix:	Water	**Date Received:**	04/21/22
		Date Analyzed:	04/25/22
		Date Extracted:	04/25/22

Duplicate Matrix Spike Summary
1,4-Dioxane by GC/MS

Sample Name:	MW-11-20220420	**Units:**	ug/L
Lab Code:	R2203594-001	**Basis:**	NA
Analysis Method:	8270D SIM		
Prep Method:	EPA 3535A		

		Matrix Spike RQ2204366-06			**Duplicate Matrix Spike** RQ2204366-07					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	ND U	8.95	10.0	89	8.92	10.0	89	33-146	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/25/22 16:37
Date Extracted: 04/25/22

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name: Method Blank
Lab Code: RQ2204366-01

Instrument ID:R-MS-56
File ID:I:\ACQUDATA\5975E\data\042522\BG524.D\

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analysis Lot:761932
Extraction Lot:398675

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ2204366-02	I:\ACQUDATA\5975E\data\042522\BG525.D\	04/25/22 16:54
Duplicate Lab Control Sample	RQ2204366-03	I:\ACQUDATA\5975E\data\042522\BG526.D\	04/25/22 17:12
MW-11-20220420	R2203594-001	I:\ACQUDATA\5975E\data\042522\BG539.D\	04/25/22 20:57
MW-11-20220420MS	RQ2204366-06	I:\ACQUDATA\5975E\data\042522\BG540.D\	04/25/22 21:14
MW-11-20220420DMS	RQ2204366-07	I:\ACQUDATA\5975E\data\042522\BG541.D\	04/25/22 21:31
GP-09-20220420	R2203594-002	I:\ACQUDATA\5975E\data\042522\BG542.D\	04/25/22 21:47
MW-10-20220420	R2203594-006	I:\ACQUDATA\5975E\data\042522\BG543.D\	04/25/22 22:04
Dupe-01-20220420	R2203594-008	I:\ACQUDATA\5975E\data\042522\BG544.D\	04/25/22 22:22

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Analytical Report

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2204366-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	ND U	0.040	0.027	1	04/25/22 16:37	4/25/22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	86	64 - 124	04/25/22 16:37	

ALS Group USA, Corp.
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QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/25/22 16:54
Date Extracted: 04/25/22

Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ2204366-02

Instrument ID: R-MS-56
File ID: I:\ACQUDATA\5975E\data\042522\BG525.D\

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analysis Lot: 761932
Extraction Lot: 398675

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ2204366-01	I:\ACQUDATA\5975E\data\042522\BG524.D\	04/25/22 16:37
Duplicate Lab Control Sample	RQ2204366-03	I:\ACQUDATA\5975E\data\042522\BG526.D\	04/25/22 17:12
MW-11-20220420	R2203594-001	I:\ACQUDATA\5975E\data\042522\BG539.D\	04/25/22 20:57
MW-11-20220420MS	RQ2204366-06	I:\ACQUDATA\5975E\data\042522\BG540.D\	04/25/22 21:14
MW-11-20220420DMS	RQ2204366-07	I:\ACQUDATA\5975E\data\042522\BG541.D\	04/25/22 21:31
GP-09-20220420	R2203594-002	I:\ACQUDATA\5975E\data\042522\BG542.D\	04/25/22 21:47
MW-10-20220420	R2203594-006	I:\ACQUDATA\5975E\data\042522\BG543.D\	04/25/22 22:04
Dupe-01-20220420	R2203594-008	I:\ACQUDATA\5975E\data\042522\BG544.D\	04/25/22 22:22

ALS Group USA, Corp.
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QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/25/22

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample RQ2204366-02			Duplicate Lab Control Sample RQ2204366-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D SIM	8.33	10.0	83 ✓	8.92	10.0	89 ✓	58-124	7 ✓	30

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QC/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594
Date Analyzed:04/25/22 15:56

Tune Summary
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\042522\BG522.D\
Instrument ID: R-MS-56

Analytical Method: 8270D SIM
Analysis Lot: 761932

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
68	69	0.00	2	1.5	10120	Pass
69	69	100	100	100.0	692867	Pass
70	69	0.00	2	0.5	3358	Pass
197	198	0.00	2	0.7	7412	Pass
198	198	100	100	100.0	1015146	Pass
199	198	5	9	6.9	70549	Pass
365	198	1	200	1.9	19045	Pass
441	443	0.01	150	84.1	47600	Pass
442	442	100	100	100.0	290944	Pass
443	442	15	24	19.4	56568	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ2204444-02	I:\ACQUDATA\5975E\data\042522\BG523.D\	04/25/22 16:19	
Method Blank	RQ2204366-01	I:\ACQUDATA\5975E\data\042522\BG524.D\	04/25/22 16:37	
Lab Control Sample	RQ2204366-02	I:\ACQUDATA\5975E\data\042522\BG525.D\	04/25/22 16:54	
Duplicate Lab Control Sample	RQ2204366-03	I:\ACQUDATA\5975E\data\042522\BG526.D\	04/25/22 17:12	
MW-11-20220420	R2203594-001	I:\ACQUDATA\5975E\data\042522\BG539.D\	04/25/22 20:57	
MW-11-20220420	RQ2204366-06	I:\ACQUDATA\5975E\data\042522\BG540.D\	04/25/22 21:14	
MW-11-20220420	RQ2204366-07	I:\ACQUDATA\5975E\data\042522\BG541.D\	04/25/22 21:31	
GP-09-20220420	R2203594-002	I:\ACQUDATA\5975E\data\042522\BG542.D\	04/25/22 21:47	
MW-10-20220420	R2203594-006	I:\ACQUDATA\5975E\data\042522\BG543.D\	04/25/22 22:04	
Dupe-01-20220420	R2203594-008	I:\ACQUDATA\5975E\data\042522\BG544.D\	04/25/22 22:22	

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QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594
Date Analyzed:04/25/22 16:19

Internal Standard Area and RT SUMMARY
1,4-Dioxane by GC/MS

File ID: I:\ACQUDATA\5975E\data\042522\BG523.D\
Instrument ID: R-MS-56
Analysis Method: 8270D SIM

Lab Code:RQ2204444-02
Analysis Lot:761932
Signal ID:

		Toluene-d8	
		Area	**RT**
	Result ==>	95,275	5.13
	Upper Limit ==>	190,550	5.63
	Lower Limit ==>	47,638	4.63
Associated Analyses			
Continuing Calibration Verification	RQ2204444-02	95275	5.13
Method Blank	RQ2204366-01	103193	5.13
Lab Control Sample	RQ2204366-02	111592	5.14
Duplicate Lab Control Sample	RQ2204366-03	102752	5.14
MW-11-20220420	R2203594-001	90832	5.14
MW-11-20220420MS	RQ2204366-06	89499	5.14
MW-11-20220420DMS	RQ2204366-07	97985	5.15
GP-09-20220420	R2203594-002	81944	5.11
MW-10-20220420	R2203594-006	76015	5.10
Dupe-01-20220420	R2203594-008	77043	5.11

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294
Date Collected: 04/20/22 11:00
Date Received: 04/26/22 16:00

Sample Name: MW-11-20220420
Lab Code: 22042294-01

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	1.6 U	4.3	1.6	1	04/29/22 23:43	04/29/22 14:57	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0.97 U	4.3	0.97	1	04/29/22 23:43	04/29/22 14:57	
N-Ethylperfluorooctanesulfonamidoacetic Acid	1.3 U UJ	4.3	1.3	1	04/29/22 23:43	04/29/22 14:57	
N-Methylperfluorooctanesulfonamidoacetic Acid	0.55 U UJ	4.3	0.55	1	04/29/22 23:43	04/29/22 14:57	
Perfluorobutanesulfonic Acid (PFBS)	**2.2** J	4.3	0.30	1	04/29/22 23:43	04/29/22 14:57	
Perfluorobutanoic Acid (PFBA)	**18** J	4.3	2.2	1	04/29/22 23:43	04/29/22 14:57	
Perfluorodecanesulfonic Acid (PFDS)	1.2 U	4.3	1.2	1	04/29/22 23:43	04/29/22 14:57	
Perfluorodecanoic Acid (PFDA)	1.1 U	4.3	1.1	1	04/29/22 23:43	04/29/22 14:57	
Perfluorododecanoic Acid (PFDoA)	0.59 U UJ	4.3	0.59	1	04/29/22 23:43	04/29/22 14:57	
Perfluoroheptanesulfonic Acid (PFHpS)	0.49 U	4.3	0.49	1	04/29/22 23:43	04/29/22 14:57	
Perfluoroheptanoic Acid (PFHpA)	**3.1** J	4.3	1.5	1	04/29/22 23:43	04/29/22 14:57	
Perfluorohexanesulfonic Acid (PFHxS)	0.78 U	4.3	0.78	1	04/29/22 23:43	04/29/22 14:57	
Perfluorohexanoic Acid (PFHxA)	**22**	4.3	1.0	1	04/29/22 23:43	04/29/22 14:57	
Perfluorononanoic Acid (PFNA)	0.75 U	4.3	0.75	1	04/29/22 23:43	04/29/22 14:57	
Perfluorooctanesulfonamide (PFOSA)	0.61 U	4.3	0.61	1	04/29/22 23:43	04/29/22 14:57	
Perfluorooctanesulfonic Acid (PFOS)	0.77 U UJ	1.7	0.77	1	04/29/22 23:43	04/29/22 14:57	
Perfluorooctanoic Acid (PFOA)	**3.7**	1.7	0.54	1	04/29/22 23:43	04/29/22 14:57	
Perfluoropentanoic Acid (PFPeA)	**48** J	4.3	1.1	1	04/29/22 23:43	04/29/22 14:57	
Perfluorotetradecanoic Acid (PFTeA)	2.3 U	4.3	2.3	1	04/29/22 23:43	04/29/22 14:57	
Perfluorotridecanoic Acid (PFTriA)	1.7 U	4.3	1.7	1	04/29/22 23:43	04/29/22 14:57	

Analytical Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 11:00
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	MW-11-20220420	**Units:**	ng/L
Lab Code:	22042294-01	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	0.84 U	4.3	0.84	1	04/29/22 23:43	04/29/22 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	176	50 - 150	04/29/22 23:43	S
13C2-FtS 8:2	160	50 - 150	04/29/22 23:43	S
13C2-PFDA	80.1	50 - 150	04/29/22 23:43	
13C2-PFDoA	67.7	50 - 150	04/29/22 23:43	
13C2-PFHxA	74.1	50 - 150	04/29/22 23:43	
13C2-PFTeA	72.9	50 - 150	04/29/22 23:43	
13C2-PFUnA	73.1	50 - 150	04/29/22 23:43	
13C3-HFPO-DA	68.7	50 - 150	04/29/22 23:43	
13C3-PFBS	64.2	50 - 150	04/29/22 23:43	
13C4-PFBA	67.3	50 - 150	04/29/22 23:43	
13C4-PFHpA	85.4	50 - 150	04/29/22 23:43	
13C4-PFOA	81.0	50 - 150	04/29/22 23:43	
13C4-PFOS	63.4	50 - 150	04/29/22 23:43	
13C5-PFNA	77.0	50 - 150	04/29/22 23:43	
13C5-PFPeA	66.0	50 - 150	04/29/22 23:43	
13C8-FOSA	73.1	50 - 150	04/29/22 23:43	
18O2-PFHxS	78.9	50 - 150	04/29/22 23:43	
d3-N-MeFOSA	59.3	50 - 150	04/29/22 23:43	
d3-N-MeFOSAA	82.6	50 - 150	04/29/22 23:43	
d5-N-EtFOSA	55.2	50 - 150	04/29/22 23:43	
d5-N-EtFOSAA	74.2	50 - 150	04/29/22 23:43	
d7-N-MeFOSE	65.8	50 - 150	04/29/22 23:43	
d9-N-EtFOSE	61.8	50 - 150	04/29/22 23:43	

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	GP-09-20220420	**Units:**	ng/L
Lab Code:	22042294-02	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	1.7 U UJ	4.5	1.7	1	04/30/22 00:16	04/29/22 14:57	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	1.0 U	4.5	1.0	1	04/30/22 00:16	04/29/22 14:57	
N-Ethylperfluorooctanesulfonamidoacetic Acid	1.4 U UJ	4.5	1.4	1	04/30/22 00:16	04/29/22 14:57	
N-Methylperfluorooctanesulfonamidoacetic Acid	0.57 U UJ	4.5	0.57	1	04/30/22 00:16	04/29/22 14:57	
Perfluorobutanesulfonic Acid (PFBS)	**2.0** J	4.5	0.31	1	04/30/22 00:16	04/29/22 14:57	
Perfluorobutanoic Acid (PFBA)	**28**	4.5	2.3	1	04/30/22 00:16	04/29/22 14:57	
Perfluorodecanesulfonic Acid (PFDS)	1.2 U	4.5	1.2	1	04/30/22 00:16	04/29/22 14:57	
Perfluorodecanoic Acid (PFDA)	1.1 U	4.5	1.1	1	04/30/22 00:16	04/29/22 14:57	
Perfluorododecanoic Acid (PFDoA)	0.62 U	4.5	0.62	1	04/30/22 00:16	04/29/22 14:57	
Perfluoroheptanesulfonic Acid (PFHpS)	0.50 U	4.5	0.50	1	04/30/22 00:16	04/29/22 14:57	
Perfluoroheptanoic Acid (PFHpA)	**2.4** J	4.5	1.5	1	04/30/22 00:16	04/29/22 14:57	
Perfluorohexanesulfonic Acid (PFHxS)	**2.0** J	4.5	0.81	1	04/30/22 00:16	04/29/22 14:57	
Perfluorohexanoic Acid (PFHxA)	**4.0** J	4.5	1.1	1	04/30/22 00:16	04/29/22 14:57	
Perfluorononanoic Acid (PFNA)	0.78 U	4.5	0.78	1	04/30/22 00:16	04/29/22 14:57	
Perfluorooctanesulfonamide (PFOSA)	0.63 U UJ	4.5	0.63	1	04/30/22 00:16	04/29/22 14:57	
Perfluorooctanesulfonic Acid (PFOS)	**12** J	1.8	0.80	1	04/30/22 00:16	04/29/22 14:57	
Perfluorooctanoic Acid (PFOA)	**5.6**	1.8	0.56	1	04/30/22 00:16	04/29/22 14:57	
Perfluoropentanoic Acid (PFPeA)	**5.2**	4.5	1.1	1	04/30/22 00:16	04/29/22 14:57	
Perfluorotetradecanoic Acid (PFTeA)	2.4 U	4.5	2.4	1	04/30/22 00:16	04/29/22 14:57	
Perfluorotridecanoic Acid (PFTriA)	1.7 U	4.5	1.7	1	04/30/22 00:16	04/29/22 14:57	

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	GP-09-20220420	**Units:**	ng/L
Lab Code:	22042294-02	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	0.87 U	4.5	0.87	1	04/30/22 00:16	04/29/22 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	345	50 - 150	04/30/22 00:16	S
13C2-FtS 8:2	298	50 - 150	04/30/22 00:16	S
13C2-PFDA	86.4	50 - 150	04/30/22 00:16	
13C2-PFDoA	73.3	50 - 150	04/30/22 00:16	
13C2-PFHxA	73.3	50 - 150	04/30/22 00:16	
13C2-PFTeA	77.0	50 - 150	04/30/22 00:16	
13C2-PFUnA	77.8	50 - 150	04/30/22 00:16	
13C3-HFPO-DA	63.9	50 - 150	04/30/22 00:16	
13C3-PFBS	64.3	50 - 150	04/30/22 00:16	
13C4-PFBA	71.4	50 - 150	04/30/22 00:16	
13C4-PFHpA	74.3	50 - 150	04/30/22 00:16	
13C4-PFOA	76.9	50 - 150	04/30/22 00:16	
13C4-PFOS	63.4	50 - 150	04/30/22 00:16	
13C5-PFNA	79.6	50 - 150	04/30/22 00:16	
13C5-PFPeA	72.3	50 - 150	04/30/22 00:16	
13C8-FOSA	52.5	50 - 150	04/30/22 00:16	
18O2-PFHxS	83.2	50 - 150	04/30/22 00:16	
d3-N-MeFOSA	59.2	50 - 150	04/30/22 00:16	
d3-N-MeFOSAA	42.0	50 - 150	04/30/22 00:16	S
d5-N-EtFOSA	58.8	50 - 150	04/30/22 00:16	
d5-N-EtFOSAA	84.7	50 - 150	04/30/22 00:16	
d7-N-MeFOSE	63.0	50 - 150	04/30/22 00:16	
d9-N-EtFOSE	62.9	50 - 150	04/30/22 00:16	

Analytical Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 00:00
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	Equipment Blank-20220420	**Units:**	ng/L
Lab Code:	22042294-04	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	1.6 U	4.2	1.6	1	04/30/22 00:33	04/29/22 14:57	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0.95 U	4.2	0.95	1	04/30/22 00:33	04/29/22 14:57	
N-Ethylperfluorooctanesulfonamidoacetic Acid	1.3 ~~U~~ UJ	4.2	1.3	1	04/30/22 00:33	04/29/22 14:57	
N-Methylperfluorooctanesulfonamidoacetic Acid	0.54 ~~U~~ UJ	4.2	0.54	1	04/30/22 00:33	04/29/22 14:57	
Perfluorobutanesulfonic Acid (PFBS)	0.30 U	4.2	0.30	1	04/30/22 00:33	04/29/22 14:57	
Perfluorobutanoic Acid (PFBA)	2.2 U	4.2	2.2	1	04/30/22 00:33	04/29/22 14:57	
Perfluorodecanesulfonic Acid (PFDS)	1.2 U	4.2	1.2	1	04/30/22 00:33	04/29/22 14:57	
Perfluorodecanoic Acid (PFDA)	1.0 U	4.2	1.0	1	04/30/22 00:33	04/29/22 14:57	
Perfluorododecanoic Acid (PFDoA)	0.58 U	4.2	0.58	1	04/30/22 00:33	04/29/22 14:57	
Perfluoroheptanesulfonic Acid (PFHpS)	0.48 U	4.2	0.48	1	04/30/22 00:33	04/29/22 14:57	
Perfluoroheptanoic Acid (PFHpA)	1.5 U	4.2	1.5	1	04/30/22 00:33	04/29/22 14:57	
Perfluorohexanesulfonic Acid (PFHxS)	0.76 U	4.2	0.76	1	04/30/22 00:33	04/29/22 14:57	
Perfluorohexanoic Acid (PFHxA)	1.0 U	4.2	1.0	1	04/30/22 00:33	04/29/22 14:57	
Perfluorononanoic Acid (PFNA)	0.74 U	4.2	0.74	1	04/30/22 00:33	04/29/22 14:57	
Perfluorooctanesulfonamide (PFOSA)	0.60 ~~U~~ UJ	4.2	0.60	1	04/30/22 00:33	04/29/22 14:57	
Perfluorooctanesulfonic Acid (PFOS)	0.75 U	1.7	0.75	1	04/30/22 00:33	04/29/22 14:57	
Perfluorooctanoic Acid (PFOA)	0.53 U	1.7	0.53	1	04/30/22 00:33	04/29/22 14:57	
Perfluoropentanoic Acid (PFPeA)	1.1 U	4.2	1.1	1	04/30/22 00:33	04/29/22 14:57	
Perfluorotetradecanoic Acid (PFTeA)	2.2 U	4.2	2.2	1	04/30/22 00:33	04/29/22 14:57	
Perfluorotridecanoic Acid (PFTriA)	1.6 U	4.2	1.6	1	04/30/22 00:33	04/29/22 14:57	

Analytical Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 00:00
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	Equipment Blank-20220420	**Units:**	ng/L
Lab Code:	22042294-04	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	0.82 U	4.2	0.82	1	04/30/22 00:33	04/29/22 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	163	50 - 150	04/30/22 00:33	S
13C2-FtS 8:2	148	50 - 150	04/30/22 00:33	
13C2-PFDA	81.1	50 - 150	04/30/22 00:33	
13C2-PFDoA	78.3	50 - 150	04/30/22 00:33	
13C2-PFHxA	77.0	50 - 150	04/30/22 00:33	
13C2-PFTeA	80.0	50 - 150	04/30/22 00:33	
13C2-PFUnA	77.7	50 - 150	04/30/22 00:33	
13C3-HFPO-DA	71.8	50 - 150	04/30/22 00:33	
13C3-PFBS	73.9	50 - 150	04/30/22 00:33	
13C4-PFBA	77.4	50 - 150	04/30/22 00:33	
13C4-PFHpA	72.0	50 - 150	04/30/22 00:33	
13C4-PFOA	82.3	50 - 150	04/30/22 00:33	
13C4-PFOS	76.1	50 - 150	04/30/22 00:33	
13C5-PFNA	85.9	50 - 150	04/30/22 00:33	
13C5-PFPeA	71.0	50 - 150	04/30/22 00:33	
13C8-FOSA	64.1	50 - 150	04/30/22 00:33	
18O2-PFHxS	97.6	50 - 150	04/30/22 00:33	
d3-N-MeFOSA	57.4	50 - 150	04/30/22 00:33	
d3-N-MeFOSAA	84.6	50 - 150	04/30/22 00:33	
d5-N-EtFOSA	61.1	50 - 150	04/30/22 00:33	
d5-N-EtFOSAA	74.5	50 - 150	04/30/22 00:33	
d7-N-MeFOSE	63.2	50 - 150	04/30/22 00:33	
d9-N-EtFOSE	65.6	50 - 150	04/30/22 00:33	

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294
Date Collected: 04/20/22 00:00
Date Received: 04/26/22 16:00

Sample Name: Dupe-01-20220420
Lab Code: 22042294-05

Units: ng/L
Basis: Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	1.7 U	4.4	1.7	1	04/30/22 00:41	04/29/22 14:57	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	1.0 U	4.4	1.0	1	04/30/22 00:41	04/29/22 14:57	
N-Ethylperfluorooctanesulfonamidoacetic Acid	1.4 UJ	4.4	1.4	1	04/30/22 00:41	04/29/22 14:57	
N-Methylperfluorooctanesulfonamidoacetic Acid	0.57 UJ	4.4	0.57	1	04/30/22 00:41	04/29/22 14:57	
Perfluorobutanesulfonic Acid (PFBS)	**2.1** J	4.4	0.31	1	04/30/22 00:41	04/29/22 14:57	
Perfluorobutanoic Acid (PFBA)	**16** J	4.4	2.3	1	04/30/22 00:41	04/29/22 14:57	
Perfluorodecanesulfonic Acid (PFDS)	1.2 U	4.4	1.2	1	04/30/22 00:41	04/29/22 14:57	
Perfluorodecanoic Acid (PFDA)	1.1 UJ	4.4	1.1	1	04/30/22 00:41	04/29/22 14:57	
Perfluorododecanoic Acid (PFDoA)	0.61 U	4.4	0.61	1	04/30/22 00:41	04/29/22 14:57	
Perfluoroheptanesulfonic Acid (PFHpS)	0.50 U	4.4	0.50	1	04/30/22 00:41	04/29/22 14:57	
Perfluoroheptanoic Acid (PFHpA)	**3.2** J	4.4	1.5	1	04/30/22 00:41	04/29/22 14:57	
Perfluorohexanesulfonic Acid (PFHxS)	0.80 U	4.4	0.80	1	04/30/22 00:41	04/29/22 14:57	
Perfluorohexanoic Acid (PFHxA)	**21** J	4.4	1.1	1	04/30/22 00:41	04/29/22 14:57	
Perfluorononanoic Acid (PFNA)	0.77 UJ	4.4	0.77	1	04/30/22 00:41	04/29/22 14:57	
Perfluorooctanesulfonamide (PFOSA)	0.63 UJ	4.4	0.63	1	04/30/22 00:41	04/29/22 14:57	
Perfluorooctanesulfonic Acid (PFOS)	0.79 UJ	1.8	0.79	1	04/30/22 00:41	04/29/22 14:57	
Perfluorooctanoic Acid (PFOA)	**3.7** J	1.8	0.56	1	04/30/22 00:41	04/29/22 14:57	
Perfluoropentanoic Acid (PFPeA)	**48** J	4.4	1.1	1	04/30/22 00:41	04/29/22 14:57	
Perfluorotetradecanoic Acid (PFTeA)	2.3 U	4.4	2.3	1	04/30/22 00:41	04/29/22 14:57	
Perfluorotridecanoic Acid (PFTriA)	1.7 U	4.4	1.7	1	04/30/22 00:41	04/29/22 14:57	

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	04/20/22 00:00
Sample Matrix:	Water	**Date Received:**	04/26/22 16:00
Sample Name:	Dupe-01-20220420	**Units:**	ng/L
Lab Code:	22042294-05	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	0.86 U	4.4	0.86	1	04/30/22 00:41	04/29/22 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	107	50 - 150	04/30/22 00:41	
13C2-FtS 8:2	105	50 - 150	04/30/22 00:41	
13C2-PFDA	63.9	50 - 150	04/30/22 00:41	
13C2-PFDoA	71.2	50 - 150	04/30/22 00:41	
13C2-PFHxA	64.4	50 - 150	04/30/22 00:41	
13C2-PFTeA	71.3	50 - 150	04/30/22 00:41	
13C2-PFUnA	71.4	50 - 150	04/30/22 00:41	
13C3-HFPO-DA	60.6	50 - 150	04/30/22 00:41	
13C3-PFBS	65.9	50 - 150	04/30/22 00:41	
13C4-PFBA	66.6	50 - 150	04/30/22 00:41	
13C4-PFHpA	58.0	50 - 150	04/30/22 00:41	
13C4-PFOA	62.1	50 - 150	04/30/22 00:41	
13C4-PFOS	67.4	50 - 150	04/30/22 00:41	
13C5-PFNA	68.2	50 - 150	04/30/22 00:41	
13C5-PFPeA	62.0	50 - 150	04/30/22 00:41	
13C8-FOSA	51.5	50 - 150	04/30/22 00:41	
18O2-PFHxS	78.3	50 - 150	04/30/22 00:41	
d3-N-MeFOSA	47.8	50 - 150	04/30/22 00:41	S
d3-N-MeFOSAA	77.9	50 - 150	04/30/22 00:41	
d5-N-EtFOSA	54.3	50 - 150	04/30/22 00:41	
d5-N-EtFOSAA	73.5	50 - 150	04/30/22 00:41	
d7-N-MeFOSE	54.1	50 - 150	04/30/22 00:41	
d9-N-EtFOSE	58.0	50 - 150	04/30/22 00:41	

Client: ALS - ROCHESTER **Service Request:** 22042294
Project: R2203594
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod **Analysis Lab Lot:** LCMS1_220429D
Extraction Method: E537 Mod

Sample Name	Lab Code	13C2-FtS 6:2 50 - 150	13C2-FtS 8:2 50 - 150	13C2-PFDA 50 - 150
MW-11-20220420	22042294-01	176 S *	160 S *	80.1
22042294-01A MS	22042294-01A MS	142	125	81.3
22042294-01A MSD	22042294-01A MSD	170 S *	166 S *	84.8
GP-09-20220420	22042294-02	345 S *	298 S *	86.4
MW-10-20220420	22042294-03	180 S *	184 S *	66.5
Equipment Blank-20220420	22042294-04	163 S *	148	81.1
Dupe-01-20220420	22042294-05	107	105	63.9
LCS-195512	LCS-195512	146	153 S *	80.0
MBLK-195512	MBLK-195512	140	160 S *	84.4

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	13C2-PFDoA 50 - 150	13C2-PFHxA 50 - 150	13C2-PFTeA 50 - 150
MW-11-20220420	22042294-01	67.7	74.1	72.9
22042294-01A MS	22042294-01A MS	71.0	77.6	73.9
22042294-01A MSD	22042294-01A MSD	72.0	75.1	82.1
GP-09-20220420	22042294-02	73.3	73.3	77.0
MW-10-20220420	22042294-03	67.3	61.8	64.6
Equipment Blank-20220420	22042294-04	78.3	77.0	80.0
Dupe-01-20220420	22042294-05	71.2	64.4	71.3
LCS-195512	LCS-195512	73.1	72.4	68.0
MBLK-195512	MBLK-195512	73.4	76.3	73.9

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	13C2-PFUnA 50 - 150	13C3-HFPO-DA 50 - 150	13C3-PFBS 50 - 150
MW-11-20220420	22042294-01	73.1	68.7	64.2
22042294-01A MS	22042294-01A MS	71.6	70.6	67.3
22042294-01A MSD	22042294-01A MSD	72.0	76.5	69.1
GP-09-20220420	22042294-02	77.8	63.9	64.3
MW-10-20220420	22042294-03	72.5	59.1	59.7
Equipment Blank-20220420	22042294-04	77.7	71.8	73.9
Dupe-01-20220420	22042294-05	71.4	60.6	65.9
LCS-195512	LCS-195512	78.7	64.7	63.4
MBLK-195512	MBLK-195512	76.1	70.1	68.6

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	13C4-PFBA 50 - 150	13C4-PFHpA 50 - 150	13C4-PFOA 50 - 150
MW-11-20220420	22042294-01	67.3	85.4	81.0
22042294-01A MS	22042294-01A MS	71.3	79.1	81.7
22042294-01A MSD	22042294-01A MSD	69.6	93.0	80.2
GP-09-20220420	22042294-02	71.4	74.3	76.9
MW-10-20220420	22042294-03	61.7	56.5	64.4
Equipment Blank-20220420	22042294-04	77.4	72.0	82.3
Dupe-01-20220420	22042294-05	66.6	58.0	62.1
LCS-195512	LCS-195512	64.7	74.3	79.2
MBLK-195512	MBLK-195512	67.8	78.7	81.0

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	13C4-PFOS 50 - 150	13C5-PFNA 50 - 150	13C5-PFPeA 50 - 150
MW-11-20220420	22042294-01	63.4	77.0	66.0
22042294-01A MS	22042294-01A MS	69.1	80.4	68.8
22042294-01A MSD	22042294-01A MSD	67.3	78.5	69.0
GP-09-20220420	22042294-02	63.4	79.6	72.3
MW-10-20220420	22042294-03	62.8	73.3	56.8
Equipment Blank-20220420	22042294-04	76.1	85.9	71.0
Dupe-01-20220420	22042294-05	67.4	68.2	62.0
LCS-195512	LCS-195512	66.7	79.6	62.9
MBLK-195512	MBLK-195512	66.8	80.8	67.9

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	13C8-FOSA 50 - 150	18O2-PFHxS 50 - 150	d5-N-EtFOSA 50 - 150
MW-11-20220420	22042294-01	73.1	78.9	55.2
22042294-01A MS	22042294-01A MS	71.4	92.2	61.1
22042294-01A MSD	22042294-01A MSD	70.6	78.9	61.6
GP-09-20220420	22042294-02	52.5	83.2	58.8
MW-10-20220420	22042294-03	50.2	76.6	51.8
Equipment Blank-20220420	22042294-04	64.1	97.6	61.1
Dupe-01-20220420	22042294-05	51.5	78.3	54.3
LCS-195512	LCS-195512	64.0	85.0	53.4
MBLK-195512	MBLK-195512	75.4	90.1	55.6

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	d5-N-EtFOSAA 50 - 150	d9-N-EtFOSE 50 - 150	d3-N-MeFOSA 50 - 150
MW-11-20220420	22042294-01	74.2	61.8	59.3
22042294-01A MS	22042294-01A MS	75.9	62.9	64.2
22042294-01A MSD	22042294-01A MSD	88.5	59.6	57.6
GP-09-20220420	22042294-02	84.7	62.9	59.2
MW-10-20220420	22042294-03	77.2	55.2	53.0
Equipment Blank-20220420	22042294-04	74.5	65.6	57.4
Dupe-01-20220420	22042294-05	73.5	58.0	47.8 S *
LCS-195512	LCS-195512	74.4	60.5	54.6
MBLK-195512	MBLK-195512	80.3	65.6	60.4

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294

SURROGATE RECOVERY SUMMARY
Organic LC

Analysis Method: E537 Mod
Extraction Method: E537 Mod

Analysis Lab Lot: LCMS1_220429D

Sample Name	Lab Code	d3-N-MeFOSAA 50 - 150	d7-N-MeFOSE 50 - 150
MW-11-20220420	22042294-01	82.6	65.8
22042294-01A MS	22042294-01A MS	79.9	68.3
22042294-01A MSD	22042294-01A MSD	89.2	69.7
GP-09-20220420	22042294-02	42.0 S *	63.0
MW-10-20220420	22042294-03	86.6	51.9
Equipment Blank-20220420	22042294-04	84.6	63.2
Dupe-01-20220420	22042294-05	77.9	54.1
LCS-195512	LCS-195512	83.0	60.4
MBLK-195512	MBLK-195512	88.2	65.0

QA/QC Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	N/A
Sample Matrix:	Water	**Date Received:**	N/A
		Date Analyzed:	04/29/2022
		Date Extracted:	04/29/2022

Matrix Spike Summary
Organic LC

Sample Name:	MW-11-20220420	**Units:**	ng/L
Lab Code:	MW-11-20220420	**Basis:**	Wet
Analysis Method:	E537 Mod		
Prep Method:	E537 Mod	**AnalysisLabLot:**	LCMS1_220429D

22042294-01A MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	0.528	29.66	25.7	113	63-162
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0.05225	37.7	26.04	145	61-165
N-Ethylperfluorooctanesulfonamidoacetic Acid	0	38.2 S	27.15	141 *	61-135
N-Methylperfluorooctanesulfonamidoacetic Acid	0	30.32	27.15	112	65-136
Perfluorobutanesulfonic Acid (PFBS)	2.159	29.63	24.01	114	72-130
Perfluorobutanoic Acid (PFBA)	17.64	44.82	27.15	100	73-129
Perfluorodecanesulfonic Acid (PFDS)	0	29.03	26.13	111	53-142
Perfluorodecanoic Acid (PFDA)	0	32.37	27.15	119	71-129
Perfluorododecanoic Acid (PFDoA)	0	30.71	27.15	113	72-134
Perfluoroheptanesulfonic Acid (PFHpS)	0	22.6	25.87	87.3	69-134
Perfluoroheptanoic Acid (PFHpA)	3.146	35.72	27.15	120	72-130
Perfluorohexanesulfonic Acid (PFHxS)	0.6132	25.3	24.69	100	68-131
Perfluorohexanoic Acid (PFHxA)	22.07	48.38	27.15	96.9	72-129
Perfluorononanoic Acid (PFNA)	0	32.26	27.15	119	69-130

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	N/A
Sample Matrix:	Water	**Date Received:**	N/A
		Date Analyzed:	04/29/2022
		Date Extracted:	04/29/2022

Matrix Spike Summary
Organic LC

Sample Name:	MW-11-20220420	**Units:**	ng/L
Lab Code:	MW-11-20220420	**Basis:**	Wet
Analysis Method:	E537 Mod		
Prep Method:	E537 Mod	**AnalysisLabLot:**	LCMS1_220429D

22042294-01A MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Perfluorooctanesulfonamide (PFOSA)	0	35.46	27.15	131	67-137
Perfluorooctanesulfonic Acid (PFOS)	0	29	25.2	115	65-140
Perfluorooctanoic Acid (PFOA)	3.74	35.58	27.15	117	71-133
Perfluoropentanoic Acid (PFPeA)	48.3	77.13	27.15	106	72-129
Perfluorotetradecanoic Acid (PFTeA)	0	29.69	27.15	109	71-132
Perfluorotridecanoic Acid (PFTriA)	0	31.06	27.15	114	65-144
Perfluoroundecanoic Acid (PFUnA)	0	29.88	27.15	110	69-133

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294
Date Collected: N/A
Date Received: N/A
Date Analyzed: 04/29/2022
Date Extracted: 04/29/2022

Duplicate Matrix Spike Summary
Organic LC

Sample Name: 22042294-01A
Lab Code: MW-11-20220420
Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
AnalysisLabLot: LCMS1_220429D

	Matrix Spike 22042294-01A MS				Duplicate Matrix Spike 22042294-01A MSD					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	0.528	29.66	25.7	113	27.55	26.07	104	63-162	7.39	30
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	0.05225	37.70	26.04	145	37.98	26.42	144	61-165	0.724	30
N-Ethylperfluorooctanesulfonamidoacetic Acid	0	38.20 S	27.15	141	33.82	27.53	123	61-135	12.1	30
N-Methylperfluorooctanesulfonamidoacetic Acid	0	30.32	27.15	112	30.97	27.53	112	65-136	2.14	30
Perfluorobutanesulfonic Acid (PFBS)	2.159	29.63	24.01	114	27.59	24.35	104	72-130	7.15	30
Perfluorobutanoic Acid (PFBA)	17.64	44.82	27.15	100	44.13	27.53	96.2	73-129	1.55	30
Perfluorodecanesulfonic Acid (PFDS)	0	29.03	26.13	111	31.93	26.5	120	53-142	9.52	30
Perfluorodecanoic Acid (PFDA)	0	32.37	27.15	119	29.39	27.53	107	71-129	9.67	30
Perfluorododecanoic Acid (PFDoA)	0	30.71	27.15	113	27.35	27.53	99.3	72-134	11.6	30
Perfluoroheptanesulfonic Acid (PFHpS)	0	22.60	25.87	87.3	24.28	26.24	92.5	69-134	7.17	30
Perfluoroheptanoic Acid (PFHpA)	3.146	35.72	27.15	120	31.16	27.53	102	72-130	13.6	30
Perfluorohexanesulfonic Acid (PFHxS)	0.6132	25.30	24.69	100	25.43	25.04	99.1	68-131	0.524	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	N/A
Sample Matrix:	Water	**Date Received:**	N/A
		Date Analyzed:	04/29/2022
		Date Extracted:	04/29/2022

Duplicate Matrix Spike Summary
Organic LC

Sample Name:	22042294-01A	**Units:**	ng/L
Lab Code:	MW-11-20220420	**Basis:**	Wet
Analysis Method:	E537 Mod		
Prep Method:	E537 Mod	**AnalysisLabLot:**	LCMS1_220429D

	Matrix Spike				Duplicate Matrix Spike					
	22042294-01A MS				22042294-01A MSD					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorohexanoic Acid (PFHxA)	22.07	48.38	27.15	96.9	50.52	27.53	103	72-129	4.32	30
Perfluorononanoic Acid (PFNA)	0	32.26	27.15	119	29.77	27.53	108	69-130	8.02	30
Perfluorooctanesulfonamide (PFOSA)	0	35.46	27.15	131	33.95	27.53	123	67-137	4.35	30
Perfluorooctanesulfonic Acid (PFOS)	0	29.00	25.2	115	28.68	25.56	112	65-140	1.1	30
Perfluorooctanoic Acid (PFOA)	3.74	35.58	27.15	117	33.11	27.53	107	71-133	7.18	30
Perfluoropentanoic Acid (PFPeA)	48.3	77.13	27.15	106	73.55	27.53	91.7	72-129	4.75	30
Perfluorotetradecanoic Acid (PFTeA)	0	29.69	27.15	109	26.58	27.53	96.5	71-132	11	30
Perfluorotridecanoic Acid (PFTriA)	0	31.06	27.15	114	32.09	27.53	117	65-144	3.25	30
Perfluoroundecanoic Acid (PFUnA)	0	29.88	27.15	110	31.54	27.53	115	69-133	5.43	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294
Date Analyzed: 04/29/22 23:10
Date Extracted: 04/29/2022

Method Blank Summary
Organic LC

Sample Name: MBLK-195512
Lab Code: MBLK-195512

Instrument ID:LCMS1
File ID:220429112

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analysis Lot:LCMS1_220429D

Extraction Lot:195513

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
LCS-195512	LCS-195512	220429113	04/29/22 23:18
22042294-01A MS	22042294-01A MS	220429114	04/29/22 23:26
22042294-01A MSD	22042294-01A MSD	220429115	04/29/22 23:35
MW-11-20220420	22042294-01	220429116	04/29/22 23:43
GP-09-20220420	22042294-02	220429120	04/30/22 00:16
MW-10-20220420	22042294-03	220429121	04/30/22 00:24
Equipment Blank-20220420	22042294-04	220429122	04/30/22 00:33
Dupe-01-20220420	22042294-05	220429123	04/30/22 00:41

Analytical Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	MBLK-195512	**Units:**	ng/L
Lab Code:	MBLK-195512	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	1.9 U	5.0	1.9	1	04/29/22 23:10	04/29/22 14:57	
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	1.1 U	5.0	1.1	1	04/29/22 23:10	04/29/22 14:57	
N-Ethylperfluorooctanesulfonamidoacetic Acid	1.5 U	5.0	1.5	1	04/29/22 23:10	04/29/22 14:57	
N-Methylperfluorooctanesulfonamidoacetic Acid	0.64 U	5.0	0.64	1	04/29/22 23:10	04/29/22 14:57	
Perfluorobutanesulfonic Acid (PFBS)	0.35 U	5.0	0.35	1	04/29/22 23:10	04/29/22 14:57	
Perfluorobutanoic Acid (PFBA)	2.6 U	5.0	2.6	1	04/29/22 23:10	04/29/22 14:57	
Perfluorodecanesulfonic Acid (PFDS)	1.4 U	5.0	1.4	1	04/29/22 23:10	04/29/22 14:57	
Perfluorodecanoic Acid (PFDA)	1.2 U	5.0	1.2	1	04/29/22 23:10	04/29/22 14:57	
Perfluorododecanoic Acid (PFDoA)	0.69 U	5.0	0.69	1	04/29/22 23:10	04/29/22 14:57	
Perfluoroheptanesulfonic Acid (PFHpS)	0.57 U	5.0	0.57	1	04/29/22 23:10	04/29/22 14:57	
Perfluoroheptanoic Acid (PFHpA)	1.7 U	5.0	1.7	1	04/29/22 23:10	04/29/22 14:57	
Perfluorohexanesulfonic Acid (PFHxS)	0.90 U	5.0	0.90	1	04/29/22 23:10	04/29/22 14:57	
Perfluorohexanoic Acid (PFHxA)	1.2 U	5.0	1.2	1	04/29/22 23:10	04/29/22 14:57	
Perfluorononanoic Acid (PFNA)	0.87 U	5.0	0.87	1	04/29/22 23:10	04/29/22 14:57	
Perfluorooctanesulfonamide (PFOSA)	0.71 U	5.0	0.71	1	04/29/22 23:10	04/29/22 14:57	
Perfluorooctanesulfonic Acid (PFOS)	0.89 U	2.0	0.89	1	04/29/22 23:10	04/29/22 14:57	
Perfluorooctanoic Acid (PFOA)	0.63 U	2.0	0.63	1	04/29/22 23:10	04/29/22 14:57	
Perfluoropentanoic Acid (PFPeA)	1.3 U	5.0	1.3	1	04/29/22 23:10	04/29/22 14:57	
Perfluorotetradecanoic Acid (PFTeA)	2.6 U	5.0	2.6	1	04/29/22 23:10	04/29/22 14:57	
Perfluorotridecanoic Acid (PFTriA)	1.9 U	5.0	1.9	1	04/29/22 23:10	04/29/22 14:57	

Analytical Report

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	MBLK-195512	**Units:**	ng/L
Lab Code:	MBLK-195512	**Basis:**	Wet

Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroundecanoic Acid (PFUnA)	0.97 U	5.0	0.97	1	04/29/22 23:10	04/29/22 14:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 6:2	140	50 - 150	04/29/22 23:10	
13C2-FtS 8:2	160	50 - 150	04/29/22 23:10	S
13C2-PFDA	84.4	50 - 150	04/29/22 23:10	
13C2-PFDoA	73.4	50 - 150	04/29/22 23:10	
13C2-PFHxA	76.3	50 - 150	04/29/22 23:10	
13C2-PFTeA	73.9	50 - 150	04/29/22 23:10	
13C2-PFUnA	76.1	50 - 150	04/29/22 23:10	
13C3-HFPO-DA	70.1	50 - 150	04/29/22 23:10	
13C3-PFBS	68.6	50 - 150	04/29/22 23:10	
13C4-PFBA	67.8	50 - 150	04/29/22 23:10	
13C4-PFHpA	78.7	50 - 150	04/29/22 23:10	
13C4-PFOA	81.0	50 - 150	04/29/22 23:10	
13C4-PFOS	66.8	50 - 150	04/29/22 23:10	
13C5-PFNA	80.8	50 - 150	04/29/22 23:10	
13C5-PFPeA	67.9	50 - 150	04/29/22 23:10	
13C8-FOSA	75.4	50 - 150	04/29/22 23:10	
18O2-PFHxS	90.1	50 - 150	04/29/22 23:10	
d3-N-MeFOSA	60.4	50 - 150	04/29/22 23:10	
d3-N-MeFOSAA	88.2	50 - 150	04/29/22 23:10	
d5-N-EtFOSA	55.6	50 - 150	04/29/22 23:10	
d5-N-EtFOSAA	80.3	50 - 150	04/29/22 23:10	
d7-N-MeFOSE	65.0	50 - 150	04/29/22 23:10	
d9-N-EtFOSE	65.6	50 - 150	04/29/22 23:10	

Client:	ALS - ROCHESTER	**Service Request:**	22042294
Project:	R2203594	**Date Analyzed:**	04/29/22 23:18
Sample Matrix:	Water	**Date Extracted:**	04/29/2022

Lab Control Sample Summary
Organic LC

Sample Name:	LCS-195512	**Instrument ID:**	LCMS1
Lab Code:	LCS-195512	**File ID:**	220429113
Analysis Method:	E537 Mod	**Analysis Lot:**	LCMS1_220429D
Prep Method:	E537 Mod		
		Extraction Lot:	195513

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
MBLK-195512	MBLK-195512	220429112	04/29/22 23:10
22042294-01A MS	22042294-01A MS	220429114	04/29/22 23:26
22042294-01A MSD	22042294-01A MSD	220429115	04/29/22 23:35
MW-11-20220420	22042294-01	220429116	04/29/22 23:43
GP-09-20220420	22042294-02	220429120	04/30/22 00:16
MW-10-20220420	22042294-03	220429121	04/30/22 00:24
Equipment Blank-20220420	22042294-04	220429122	04/30/22 00:33
Dupe-01-20220420	22042294-05	220429123	04/30/22 00:41

Client: ALS - ROCHESTER
Project: R2203594
Sample Matrix: Water

Service Request: 22042294
Date Analyzed: 04/29/2022
Date Extracted: 04/29/2022

Lab Control Sample Summary
Organic LC

Analysis Method: E537 Mod
Prep Method: E537 Mod

Units: ng/L
Basis: Wet
Analysis Lot: LCMS1_220429D

Lab Control Sample
LCS-195512

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	34.3	30.3	113	63-162
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	41.18	30.7	134	61-165
N-Ethylperfluorooctanesulfonamidoacetic Acid	36.13	32	113	61-135
N-Methylperfluorooctanesulfonamidoacetic Acid	27.94	32	87.3	65-136
Perfluorobutanesulfonic Acid (PFBS)	31.23	28.3	110	72-130
Perfluorobutanoic Acid (PFBA)	32.68	32	102	73-129
Perfluorodecanesulfonic Acid (PFDS)	31.96	30.8	104	53-142
Perfluorodecanoic Acid (PFDA)	38.4	32	120	71-129
Perfluorododecanoic Acid (PFDoA)	34.63	32	108	72-134
Perfluoroheptanesulfonic Acid (PFHpS)	26.11	30.5	85.6	69-134
Perfluoroheptanoic Acid (PFHpA)	36.09	32	113	72-130
Perfluorohexanesulfonic Acid (PFHxS)	28.72	29.1	98.7	68-131
Perfluorohexanoic Acid (PFHxA)	32.73	32	102	72-129
Perfluorononanoic Acid (PFNA)	36.23	32	113	69-130
Perfluorooctanesulfonamide (PFOSA)	38.63	32	121	67-137
Perfluorooctanesulfonic Acid (PFOS)	31.42	29.7	106	65-140
Perfluorooctanoic Acid (PFOA)	35.61	32	111	71-133
Perfluoropentanoic Acid (PFPeA)	35.83	32	112	72-129
Perfluorotetradecanoic Acid (PFTeA)	36.14	32	113	71-132
Perfluorotridecanoic Acid (PFTriA)	39.24	32	123	65-144
Perfluoroundecanoic Acid (PFUnA)	32.11	32	100	69-133

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-FtS 4:2 IS		13C2-FtS 6:2 IS		13C2-FtS 8:2 IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	445,278	3.54	412,783	3.91	265,167	4.30
	Upper Limit ==>	890,556	4.04	825,566	4.41	530,334	4.80
	Lower Limit ==>	222,639	3.04	206,392	3.41	132,584	3.80
Associated Analyses							
CCV1-220429	CCV1-220429	445278	3.54	412783	3.91	265167	4.3
MBLK-195512	MBLK-195512	392162	3.53	649913	3.9	423831	4.29
LCS-195512	LCS-195512	396617	3.53	716987	3.9	427589	4.29
22042294-01A MSMS	22042294-01A MS	493243	3.53	675382	3.9	337015	4.29
22042294-01A MSDDMS	22042294-01A MSD	591333	3.53	809952	3.9	448376	4.29
MW-11-20220420	22042294-01	497907	3.53	867410*	3.9	449056	4.29

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFDA IS		13C2-PFDoA IS		13C2-PFHxA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	3,721,623	4.30	2,724,954	4.66	2,979,746	3.56
	Upper Limit ==>	7,443,246	4.80	5,449,908	5.16	5,959,492	4.06
	Lower Limit ==>	1,860,812	3.80	1,362,477	4.16	1,489,873	3.06
Associated Analyses							
CCV1-220429	CCV1-220429	3721623	4.3	2724954	4.66	2979746	3.56
MBLK-195512	MBLK-195512	3381417	4.29	2528619	4.66	2648998	3.56
LCS-195512	LCS-195512	3382995	4.29	2660566	4.66	2653243	3.56
22042294-01A MSMS	22042294-01A MS	3326929	4.29	2495105	4.65	2750149	3.56
22042294-01A MSDDMS	22042294-01A MSD	3473225	4.29	2534446	4.65	2666153	3.55
MW-11-20220420	22042294-01	3395632	4.29	2470508	4.65	2721061	3.56

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFHxDA IS		13C2-PFTeA IS		13C2-PFUnA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,324,066	5.28	1,443,087	4.97	3,231,055	4.49
	Upper Limit ==>	8,648,132	5.78	2,886,174	5.47	6,462,110	4.99
	Lower Limit ==>	2,162,033	4.78	721,544	4.47	1,615,528	3.99
Associated Analyses							
CCV1-220429	CCV1-220429	4324066	5.28	1443087	4.97	3231055	4.49
MBLK-195512	MBLK-195512	3688987	5.27	1245975	4.96	2833076	4.48
LCS-195512	LCS-195512	3622874	5.27	1211316	4.96	3092604	4.48
22042294-01A MSMS	22042294-01A MS	3951391	5.27	1272901	4.96	2722660	4.48
22042294-01A MSDDMS	22042294-01A MSD	4000499	5.27	1416976	4.96	2739733	4.47
MW-11-20220420	22042294-01	3807401	5.27	1302782	4.96	2880427	4.48

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C3-HFPO-DA IS		13C3-PFBS IS		13C4-PFBA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	347,495	3.63	1,631,404	3.35	1,121,396	2.82
	Upper Limit ==>	694,990	4.13	3,262,808	3.85	2,242,792	3.32
	Lower Limit ==>	173,748	3.13	815,702	2.85	560,698	2.32
Associated Analyses							
CCV1-220429	CCV1-220429	347495	3.63	1631404	3.35	1121396	2.82
MBLK-195512	MBLK-195512	286322	3.62	1336987	3.34	933378	2.81
LCS-195512	LCS-195512	279023	3.62	1306204	3.34	940309	2.81
22042294-01A MSMS	22042294-01A MS	294398	3.62	1340198	3.34	1001465	2.81
22042294-01A MSDDMS	22042294-01A MSD	319528	3.62	1378809	3.34	979678	2.8
MW-11-20220420	22042294-01	297115	3.62	1326046	3.34	980256	2.8

Client: ALS - ROCHESTER
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Internal Standard Area and RT SUMMARY

Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C4-PFHpA IS		13C4-PFOA IS		13C4-PFOS IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	2,975,895	3.75	4,851,850	3.92	1,128,135	4.09
	Upper Limit ==>	5,951,790	4.25	9,703,700	4.42	2,256,270	4.59
	Lower Limit ==>	1,487,948	3.25	2,425,925	3.42	564,068	3.59
Associated Analyses							
CCV1-220429	CCV1-220429	2975895	3.75	4851850	3.92	1128135	4.09
MBLK-195512	MBLK-195512	2341646	3.74	4339469	3.91	893895	4.08
LCS-195512	LCS-195512	2336246	3.74	4480816	3.91	942989	4.08
22042294-01A MSMS	22042294-01A MS	2404574	3.74	4467317	3.91	945346	4.08
22042294-01A MSDDMS	22042294-01A MSD	2831001	3.74	4394748	3.91	921176	4.08
MW-11-20220420	22042294-01	2691669	3.74	4593954	3.91	899158	4.08

Client: ALS - ROCHESTER
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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C5-PFNA IS		13C5-PFPeA IS		13C7-PFUnDA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,588,036	4.11	2,233,786	3.30	2,695,797	4.49
	Upper Limit ==>	9,176,072	4.61	4,467,572	3.80	5,391,594	4.99
	Lower Limit ==>	2,294,018	3.61	1,116,893	2.80	1,347,899	3.99
Associated Analyses							
CCV1-220429	CCV1-220429	4588036	4.11	2233786	3.3	2695797	4.49
MBLK-195512	MBLK-195512	4321120	4.1	1835650	3.3	3107867	4.48
LCS-195512	LCS-195512	4498014	4.1	1796551	3.3	3282302	4.48
22042294-01A MSMS	22042294-01A MS	4390315	4.1	1900590	3.3	3173314	4.47
22042294-01A MSDDMS	22042294-01A MSD	4293885	4.09	1909133	3.29	3178437	4.47
MW-11-20220420	22042294-01	4364034	4.1	1889123	3.3	3290447	4.48

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C8-FOSA IS		18O2-PFHxS IS		d3-N-MeFOSA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,730,625	4.56	1,055,733	3.74	635,250	4.96
	Upper Limit ==>	3,461,250	5.06	2,111,466	4.24	1,270,500	5.46
	Lower Limit ==>	865,313	4.06	527,867	3.24	317,625	4.46
Associated Analyses							
CCV1-220429	CCV1-220429	1730625	4.56	1055733	3.74	635250	4.96
MBLK-195512	MBLK-195512	1375728	4.55	1093771	3.74	456804	4.95
LCS-195512	LCS-195512	1233967	4.56	1090031	3.74	436562	4.95
22042294-01A MSMS	22042294-01A MS	1329785	4.55	1142331	3.74	495635	4.95
22042294-01A MSDDMS	22042294-01A MSD	1318030	4.55	979735	3.74	445539	4.95
MW-11-20220420	22042294-01	1411772	4.55	1014337	3.74	475202	4.95

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d3-N-MeFOSAA IS		d5-N-EtFOSA IS		d5-N-EtFOSAA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,275,845	4.40	926,148	5.09	1,494,503	4.50
	Upper Limit ==>	2,551,690	4.90	1,852,296	5.59	2,989,006	5.00
	Lower Limit ==>	637,923	3.90	463,074	4.59	747,252	4.00
Associated Analyses							
CCV1-220429	CCV1-220429	1275845	4.4	926148	5.09	1494503	4.5
MBLK-195512	MBLK-195512	1324600	4.39	621702	5.08	1355399	4.49
LCS-195512	LCS-195512	1315717	4.39	630163	5.08	1326402	4.49
22042294-01A MSMS	22042294-01A MS	1225268	4.39	697132	5.08	1309509	4.48
22042294-01A MSDDMS	22042294-01A MSD	1368769	4.39	704482	5.08	1527675	4.48
MW-11-20220420	22042294-01	1312917	4.39	653221	5.08	1326291	4.49

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429108
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV1-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d7-N-MeFOSE IS		d9-N-EtFOSE IS	
		Area	**RT**	**Area**	**RT**
	Result ==>	795,742	4.94	626,904	5.06
	Upper Limit ==>	1,591,484	5.44	1,253,808	5.56
	Lower Limit ==>	397,871	4.44	313,452	4.56
Associated Analyses					
CCV1-220429	CCV1-220429	795742	4.94	626904	5.06
MBLK-195512	MBLK-195512	612172	4.93	497935	5.06
LCS-195512	LCS-195512	600969	4.93	484791	5.06
22042294-01A MSMS	22042294-01A MS	657010	4.93	487087	5.06
22042294-01A MSDDMS	22042294-01A MSD	670930	4.93	462639	5.05
MW-11-20220420	22042294-01	655992	4.93	496212	5.06

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Project: R2203594/

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-FtS 4:2 IS		13C2-FtS 6:2 IS		13C2-FtS 8:2 IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	426,685	3.53	388,605	3.91	245,896	4.29
	Upper Limit ==>	853,370	4.03	777,210	4.41	491,792	4.79
	Lower Limit ==>	213,343	3.03	194,303	3.41	122,948	3.79
Associated Analyses							
CCV2-220429	CCV2-220429	426685	3.53	388605	3.91	245896	4.29
GP-09-20220420	22042294-02	1445329*	3.54	1732429*	3.9	850430*	4.29
MW-10-20220420	22042294-03	506472	3.53	882898*	3.91	512456*	4.29
Equipment Blank-20220420	22042294-04	404232	3.53	761055	3.9	391784	4.29
Dupe-01-20220420	22042294-05	394758	3.54	502667	3.91	279876	4.29

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFDA IS		13C2-PFDoA IS		13C2-PFHxA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	3,479,091	4.29	3,321,306	4.66	2,974,701	3.56
	Upper Limit ==>	6,958,182	4.79	6,642,612	5.16	5,949,402	4.06
	Lower Limit ==>	1,739,546	3.79	1,660,653	4.16	1,487,351	3.06
Associated Analyses							
CCV2-220429	CCV2-220429	3479091	4.29	3321306	4.66	2974701	3.56
GP-09-20220420	22042294-02	3730624	4.29	2723300	4.66	2742507	3.56
MW-10-20220420	22042294-03	2799284	4.29	2438509	4.66	2256621	3.56
Equipment Blank-20220420	22042294-04	3258369	4.29	2705822	4.66	2680490	3.56
Dupe-01-20220420	22042294-05	2590357	4.29	2480337	4.66	2263140	3.56

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFHxDA IS		13C2-PFTeA IS		13C2-PFUnA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,385,196	5.27	1,513,757	4.96	3,696,738	4.48
	Upper Limit ==>	8,770,392	5.77	3,027,514	5.46	7,393,476	4.98
	Lower Limit ==>	2,192,598	4.77	756,879	4.46	1,848,369	3.98
Associated Analyses							
CCV2-220429	CCV2-220429	4385196	5.27	1513757	4.96	3696738	4.48
GP-09-20220420	22042294-02	4116526	5.27	1400572	4.96	3122628	4.48
MW-10-20220420	22042294-03	3067578	5.27	1146892	4.96	2837911	4.48
Equipment Blank-20220420	22042294-04	3879322	5.27	1353927	4.96	2902240	4.48
Dupe-01-20220420	22042294-05	3542481	5.27	1216678	4.96	2688691	4.48

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C3-HFPO-DA IS		13C3-PFBS IS		13C4-PFBA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	326,858	3.62	1,576,936	3.34	1,091,291	2.82
	Upper Limit ==>	653,716	4.12	3,153,872	3.84	2,182,582	3.32
	Lower Limit ==>	163,429	3.12	788,468	2.84	545,646	2.32
Associated Analyses							
CCV2-220429	CCV2-220429	326858	3.62	1576936	3.34	1091291	2.82
GP-09-20220420	22042294-02	281347	3.62	1351703	3.34	1059236	2.81
MW-10-20220420	22042294-03	253963	3.62	1223974	3.34	893024	2.81
Equipment Blank-20220420	22042294-04	294106	3.62	1445478	3.34	1068437	2.81
Dupe-01-20220420	22042294-05	250457	3.62	1300535	3.34	928003	2.81

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C4-PFHpA IS		13C4-PFOA IS		13C4-PFOS IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	2,673,114	3.74	4,396,116	3.91	1,157,257	4.08
	Upper Limit ==>	5,346,228	4.24	8,792,232	4.41	2,314,514	4.58
	Lower Limit ==>	1,336,557	3.24	2,198,058	3.41	578,629	3.58
Associated Analyses							
CCV2-220429	CCV2-220429	2673114	3.74	4396116	3.91	1157257	4.08
GP-09-20220420	22042294-02	2385248	3.74	4444010	3.91	916004	4.08
MW-10-20220420	22042294-03	1767450	3.74	3625712	3.91	883758	4.08
Equipment Blank-20220420	22042294-04	2150862	3.74	4422961	3.91	1021817	4.08
Dupe-01-20220420	22042294-05	1746625	3.74	3363575	3.91	913736	4.08

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Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C5-PFNA IS		13C5-PFPeA IS		13C7-PFUnDA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,686,692	4.10	2,210,674	3.30	3,041,135	4.48
	Upper Limit ==>	9,373,384	4.60	4,421,348	3.80	6,082,270	4.98
	Lower Limit ==>	2,343,346	3.60	1,105,337	2.80	1,520,568	3.98
Associated Analyses							
CCV2-220429	CCV2-220429	4686692	4.1	2210674	3.3	3041135	4.48
GP-09-20220420	22042294-02	4591686	4.1	2108266	3.3	3351214	4.48
MW-10-20220420	22042294-03	4125876	4.1	1616612	3.3	3268345	4.48
Equipment Blank-20220420	22042294-04	4609197	4.1	1928027	3.3	3117857	4.48
Dupe-01-20220420	22042294-05	3691227	4.1	1698667	3.3	3144810	4.48

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/29/22 23:59

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C8-FOSA IS		18O2-PFHxS IS		d3-N-MeFOSA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,677,759	4.56	1,283,215	3.74	625,790	4.95
	Upper Limit ==>	3,355,518	5.06	2,566,430	4.24	1,251,580	5.45
	Lower Limit ==>	838,880	4.06	641,608	3.24	312,895	4.45
Associated Analyses							
CCV2-220429	CCV2-220429	1677759	4.56	1283215	3.74	625790	4.95
GP-09-20220420	22042294-02	1032337	4.56	1089064	3.74	483192	4.95
MW-10-20220420	22042294-03	963639	4.56	977760	3.74	422036	4.95
Equipment Blank-20220420	22042294-04	1173656	4.56	1188113	3.74	435400	4.95
Dupe-01-20220420	22042294-05	950350	4.56	962337	3.74	366199	4.95

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/29/22 23:59

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d3-N-MeFOSAA IS		d5-N-EtFOSA IS		d5-N-EtFOSAA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,504,236	4.39	921,107	5.08	1,652,632	4.49
	Upper Limit ==>	3,008,472	4.89	1,842,214	5.58	3,305,264	4.99
	Lower Limit ==>	752,118	3.89	460,554	4.58	826,316	3.99
Associated Analyses							
CCV2-220429	CCV2-220429	1504236	4.39	921107	5.08	1652632	4.49
GP-09-20220420	22042294-02	679127*	4.38	708851	5.08	1542597	4.49
MW-10-20220420	22042294-03	1366714	4.39	608721	5.08	1371453	4.49
Equipment Blank-20220420	22042294-04	1274078	4.39	685295	5.08	1261956	4.49
Dupe-01-20220420	22042294-05	1182995	4.39	614232	5.08	1256788	4.49

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/29/22 23:59

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429118
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV2-220429
Analysis Lot:LCMS1_220429D
Signal ID:

	d7-N-MeFOSE IS		d9-N-EtFOSE IS	
	Area	**RT**	**Area**	**RT**
Result ==>	729,138	4.93	618,934	5.06
Upper Limit ==>	1,458,276	5.43	1,237,868	5.56
Lower Limit ==>	364,569	4.43	309,467	4.56

Associated Analyses

CCV2-220429	CCV2-220429	729138 ✓	4.93	618934 ✓	5.06
GP-09-20220420	22042294-02	639796	4.93	514319	5.06
MW-10-20220420	22042294-03	513848	4.93	440921	5.06
Equipment Blank-20220420	22042294-04	596872	4.93	499169	5.06
Dupe-01-20220420	22042294-05	515169	4.93	445113	5.06

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-FtS 4:2 IS		13C2-FtS 6:2 IS		13C2-FtS 8:2 IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	481,829	3.53	431,282	3.90	257,939	4.29
	Upper Limit ==>	963,658	4.03	862,564	4.40	515,878	4.79
	Lower Limit ==>	240,915	3.03	215,641	3.40	128,970	3.79
Associated Analyses							
CCV3-220429	CCV3-220429	481829	3.53	431282	3.9	257939	4.29

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFDA IS		13C2-PFDoA IS		13C2-PFHxA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	3,559,743	4.29	2,902,786	4.65	2,904,043	3.55
	Upper Limit ==>	7,119,486	4.79	5,805,572	5.15	5,808,086	4.05
	Lower Limit ==>	1,779,872	3.79	1,451,393	4.15	1,452,022	3.05
Associated Analyses							
CCV3-220429	CCV3-220429	3559743	4.29	2902786	4.65	2904043	3.55

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFHxDA IS		13C2-PFTeA IS		13C2-PFUnA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		4,338,142	5.27	1,638,054	4.96	3,012,663	4.47
Upper Limit ==>		8,676,284	5.77	3,276,108	5.46	6,025,326	4.97
Lower Limit ==>		2,169,071	4.77	819,027	4.46	1,506,332	3.97
Associated Analyses							
CCV3-220429	CCV3-220429	4338142	5.27	1638054	4.96	3012663	4.47

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C3-HFPO-DA IS		13C3-PFBS IS		13C4-PFBA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	359,936	3.62	1,603,786	3.34	1,053,273	2.81
	Upper Limit ==>	719,872	4.12	3,207,572	3.84	2,106,546	3.31
	Lower Limit ==>	179,968	3.12	801,893	2.84	526,637	2.31
Associated Analyses							
CCV3-220429	CCV3-220429	359936	3.62	1603786	3.34	1053273	2.81

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C4-PFHpA IS		13C4-PFOA IS		13C4-PFOS IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	3,122,366	3.74	4,571,737	3.91	1,057,478	4.08
	Upper Limit ==>	6,244,732	4.24	9,143,474	4.41	2,114,956	4.58
	Lower Limit ==>	1,561,183	3.24	2,285,869	3.41	528,739	3.58
Associated Analyses							
CCV3-220429	CCV3-220429	3122366	3.74	4571737	3.91	1057478	4.08

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C5-PFNA IS		13C5-PFPeA IS		13C7-PFUnDA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,372,841	4.09	2,238,063	3.30	2,715,529	4.47
	Upper Limit ==>	8,745,682	4.59	4,476,126	3.80	5,431,058	4.97
	Lower Limit ==>	2,186,421	3.59	1,119,032	2.80	1,357,765	3.97
Associated Analyses							
CCV3-220429	CCV3-220429	4372841	4.09	2238063	3.3	2715529	4.47

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY

Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C8-FOSA IS		18O2-PFHxS IS		d3-N-MeFOSA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,492,857	4.55	1,130,030	3.74	613,998	4.95
	Upper Limit ==>	2,985,714	5.05	2,260,060	4.24	1,227,996	5.45
	Lower Limit ==>	746,429	4.05	565,015	3.24	306,999	4.45
Associated Analyses							
CCV3-220429	CCV3-220429	1492857	4.55	1130030	3.74	613998	4.95

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d3-N-MeFOSAA IS		d5-N-EtFOSA IS		d5-N-EtFOSAA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,319,590	4.39	931,373	5.08	1,649,318	4.48
	Upper Limit ==>	2,639,180	4.89	1,862,746	5.58	3,298,636	4.98
	Lower Limit ==>	659,795	3.89	465,687	4.58	824,659	3.98
Associated Analyses							
CCV3-220429	CCV3-220429	1319590	4.39	931373	5.08	1649318	4.48

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 01:47

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429131
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV3-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d7-N-MeFOSE IS		d9-N-EtFOSE IS	
		Area	**RT**	**Area**	**RT**
	Result ==>	683,031	4.93	623,903	5.05
	Upper Limit ==>	1,366,062	5.43	1,247,806	5.55
	Lower Limit ==>	341,516	4.43	311,952	4.55
Associated Analyses					
CCV3-220429	CCV3-220429	683031	4.93	623903	5.05

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-FtS 4:2 IS		13C2-FtS 6:2 IS		13C2-FtS 8:2 IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	494,218	3.54	420,618	3.91	245,924	4.29
	Upper Limit ==>	988,436	4.04	841,236	4.41	491,848	4.79
	Lower Limit ==>	247,109	3.04	210,309	3.41	122,962	3.79
Associated Analyses							
CCV4-220429	CCV4-220429	494218	3.54	420618	3.91	245924	4.29

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFDA IS		13C2-PFDoA IS		13C2-PFHxA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	3,546,531	4.29	3,565,594	4.66	3,036,252	3.56
	Upper Limit ==>	7,093,062	4.79	7,131,188	5.16	6,072,504	4.06
	Lower Limit ==>	1,773,266	3.79	1,782,797	4.16	1,518,126	3.06
Associated Analyses							
CCV4-220429	CCV4-220429	3546531	4.29	3565594	4.66	3036252	3.56

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C2-PFHxDA IS		13C2-PFTeA IS		13C2-PFUnA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	4,606,049	5.27	1,880,985	4.96	3,902,515	4.48
	Upper Limit ==>	9,212,098	5.77	3,761,970	5.46	7,805,030	4.98
	Lower Limit ==>	2,303,025	4.77	940,493	4.46	1,951,258	3.98
Associated Analyses							
CCV4-220429	CCV4-220429	4606049 ✓	5.27	1880985 ✓	4.96	3902515 ✓	4.48

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C3-HFPO-DA IS		13C3-PFBS IS		13C4-PFBA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	349,197	3.62	1,640,111	3.35	1,069,593	2.82
	Upper Limit ==>	698,394	4.12	3,280,222	3.85	2,139,186	3.32
	Lower Limit ==>	174,599	3.12	820,056	2.85	534,797	2.32
Associated Analyses							
CCV4-220429	CCV4-220429	349197	3.62	1640111	3.35	1069593	2.82

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C4-PFHpA IS		13C4-PFOA IS		13C4-PFOS IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	2,485,922	3.74	4,469,451	3.92	1,134,140	4.08
	Upper Limit ==>	4,971,844	4.24	8,938,902	4.42	2,268,280	4.58
	Lower Limit ==>	1,242,961	3.24	2,234,726	3.42	567,070	3.58
Associated Analyses							
CCV4-220429	CCV4-220429	2485922	3.74	4469451	3.92	1134140	4.08

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C5-PFNA IS		13C5-PFPeA IS		13C7-PFUnDA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
Result ==>		4,485,211	4.10	2,220,356	3.30	3,335,998	4.48
Upper Limit ==>		8,970,422	4.60	4,440,712	3.80	6,671,996	4.98
Lower Limit ==>		2,242,606	3.60	1,110,178	2.80	1,667,999	3.98
Associated Analyses							
CCV4-220429	CCV4-220429	4485211	4.1	2220356	3.3	3335998	4.48

ALS Group USA, Corp.
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QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		13C8-FOSA IS		18O2-PFHxS IS		d3-N-MeFOSA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,564,502	4.56	1,112,285	3.74	596,617	4.95
	Upper Limit ==>	3,129,004	5.06	2,224,570	4.24	1,193,234	5.45
	Lower Limit ==>	782,251	4.06	556,143	3.24	298,309	4.45
Associated Analyses							
CCV4-220429	CCV4-220429	1564502	4.56	1112285	3.74	596617	4.95

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY

Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d3-N-MeFOSAA IS		d5-N-EtFOSA IS		d5-N-EtFOSAA IS	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Result ==>	1,512,964	4.39	946,290	5.08	1,760,386	4.49
	Upper Limit ==>	3,025,928	4.89	1,892,580	5.58	3,520,772	4.99
	Lower Limit ==>	756,482	3.89	473,145	4.58	880,193	3.99
Associated Analyses							
CCV4-220429	CCV4-220429	1512964 ✓	4.39	946290 ✓	5.08	1760386 ✓	4.49

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS - ROCHESTER
Project: R2203594/

Service Request:22042294
Date Analyzed:04/30/22 03:19

Internal Standard Area and RT SUMMARY
Organic LC

File ID: 220429142
Instrument ID: LCMS1
Analysis Method: E537 Mod

Lab Code:CCV4-220429
Analysis Lot:LCMS1_220429D
Signal ID:

		d7-N-MeFOSE IS		d9-N-EtFOSE IS	
		Area	**RT**	**Area**	**RT**
	Result ==>	703,239	4.93	664,090	5.06
	Upper Limit ==>	1,406,478	5.43	1,328,180	5.56
	Lower Limit ==>	351,620	4.43	332,045	4.56
Associated Analyses					
CCV4-220429	CCV4-220429	703239 ✓	4.93	664090 ✓	5.06

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Labella Associates, PC
Project No.: R2203594
Project Name: NA
Matrix: WATER

Service Request: GP-09-20220420
Date Collected: 4/20/2022
Date Received: 4/21/2022
Units: ug/L
Basis:

Sample Name: GP-09-20220420 **Lab Code:** R2203594-002

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	6010C	100	61.0	1.0	8990		

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: GP-09-20220420 Diss **Lab Code:** R2203594-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	6010C	100	61.0	1.0	6530		

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client:	Labella Associates, PC	**Service Request:**	GP-09-20220420
Project No.:	R2203594	**Date Collected:**	4/20/2022
Project Name:	NA	**Date Received:**	4/21/2022
Matrix:	WATER	**Units:**	ug/L
		Basis:	

Sample Name: MW-102-20220420 **Lab Code:** R2203594-004

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	6010C	100	61.0	1.0	10700		

% Solids: 0.0

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Labella Associates, PC
Project No.: R2203594
Project Name: NA
Matrix: WATER

Service Request: GP-09-20220420
Date Collected: 4/20/2022
Date Received: 4/21/2022
Units: ug/L
Basis:

Sample Name: MW-102-20220420 Diss **Lab Code:** R2203594-005

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Iron	6010C	100	61.0	1.0	5300		

% Solids: 0.0

Comments:

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Iron	5000	5000	100	5000	5000	100	5010	100	P

Comments:

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Iron				5000	4970	99	4980	100	P

Comments:

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Iron				5000	4970	99	5040	101	P

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: GP-09-202204

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Iron				100.0	104.90	105	104.80	105

Comments:

METALS

-3-

BLANKS

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Iron	61.00	U	61.00	U	61.00	U	61.00	U	61.000	U	P

Comments:

METALS

-3-

BLANKS

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Iron			61.00	U	61.00	U	61.00	U			P

Comments:

METALS

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Iron	100000	100000	94500.0	97500	98	94900.0	97300	97

METALS
-6-
DUPLICATES

SAMPLE NO.

DLCSW

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Iron		1010		1010		0	✓	P

Comments:

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Iron	1000	1010	101	✓				

Comments: _____

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Iron	1000	1010	101					

Comments: _____

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

MW-102-20220420 DissL

Contract: R2203594

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GP-09-202204

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	5300.00		5360.00		1	✓	P

Comments: _____

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 12:40
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	GP-09-20220420	**Basis:**	NA
Lab Code:	R2203594-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 00:23	
Carbon, Total Organic (TOC)	9060A	**6.0**	mg/L	1.0	0.5	1	05/01/22 00:21	
Carbon, Total Organic (TOC)	9060A	**5.5**	mg/L	1.0	0.5	1	05/01/22 00:16	
Carbon, Total Organic (TOC)	9060A	**5.8**	mg/L	1.0	0.5	1	05/01/22 00:18	
Sulfate	300.0	**153**	mg/L	6.0	1.2	30	05/03/22 08:58	

J

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	04/20/22 14:10
Sample Matrix:	Water	**Date Received:**	04/21/22 10:45
Sample Name:	MW-102-20220420	**Basis:**	NA
Lab Code:	R2203594-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	**6.0**	mg/L	1.0	0.5	1	05/01/22 01:09	
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 01:06	
Carbon, Total Organic (TOC)	9060A	**5.7**	mg/L	1.0	0.5	1	05/01/22 01:04	
Carbon, Total Organic (TOC)	9060A	**5.9**	mg/L	1.0	0.5	1	05/01/22 01:11	
Sulfate	300.0	**180**	mg/L	6.0	1.2	30	05/03/22 09:04	

Client:	Labella Associates, PC	**Service Request:**	R2203594
Project:	99 Marsh Road/2222082	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2203594-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:20	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:15	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:13	
Carbon, Total Organic (TOC)	9060A	ND U	mg/L	1.0	0.5	1	04/30/22 22:17	
Sulfate	300.0	ND U	mg/L	0.20	0.04	1	05/03/22 08:10	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082
Sample Matrix: Water

Service Request: R2203594
Date Analyzed: 04/30/22 - 05/03/22

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2203594-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic (TOC)	9060A	22.8	25.0	91	80-121
Carbon, Total Organic (TOC)	9060A	22.6	25.0	90	80-121
Carbon, Total Organic (TOC)	9060A	22.2	25.0	89	80-121
Carbon, Total Organic (TOC)	9060A	22.9	25.0	91	80-121
Sulfate	300.0	1.89	2.00	95	90-110

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594

Continuing Calibration Blank (CCB) Summary

Sulfate

Analysis Method: 300.0

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	MDL	Result	Q
CCB1	762757	RQ2204764-02	05/03/22 08:10	0.20	0.04	ND	U
CCB2	762757	RQ2204764-08	05/03/22 09:18	0.20	0.04	ND	U

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request:R2203594

Continuing Calibration Blank (CCB) Summary
Carbon, Total Organic (TOC)

Analysis Method: 9060A

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	MDL	Result	Q
CCB1	762990	RQ2204920-02	04/30/22 22:20	1.0	0.5	ND	U
CCB2	762990	RQ2204920-02	04/30/22 22:15	1.0	0.5	ND	U
CCB3	762990	RQ2204920-02	04/30/22 22:13	1.0	0.5	ND	U
CCB4	762990	RQ2204920-02	04/30/22 22:17	1.0	0.5	ND	U
CCB5	762990	RQ2204920-06	05/01/22 00:55	1.0	0.5	ND	U
CCB6	762990	RQ2204920-06	05/01/22 00:51	1.0	0.5	ND	U
CCB7	762990	RQ2204920-06	05/01/22 00:53	1.0	0.5	ND	U
CCB8	762990	RQ2204920-06	05/01/22 00:49	1.0	0.5	ND	U
CCB9	762990	RQ2204920-12	05/01/22 03:44	1.0	0.5	ND	U
CCB10	762990	RQ2204920-12	05/01/22 03:39	1.0	0.5	ND	U
CCB11	762990	RQ2204920-12	05/01/22 03:46	1.0	0.5	ND	U
CCB12	762990	RQ2204920-12	05/01/22 03:41	1.0	0.5	ND	U
CCB13	762990	RQ2204920-14	05/01/22 06:23	1.0	0.5	ND	U
CCB14	762990	RQ2204920-14	05/01/22 06:27	1.0	0.5	ND	U
CCB15	762990	RQ2204920-14	05/01/22 06:25	1.0	0.5	ND	U
CCB16	762990	RQ2204920-14	05/01/22 06:21	1.0	0.5	ND	U

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request: R2203594

Continuing Calibration Verification (CCV) Summary

Sulfate

Analysis Method: 300.0

Units: mg/L

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	762757	RQ2204764-01	05/03/22 08:04	4.00	3.83	96	90-110
CCV2	762757	RQ2204764-07	05/03/22 09:11	4.00	3.88	97	90-110

Client: Labella Associates, PC
Project: 99 Marsh Road/2222082

Service Request: R2203594

Continuing Calibration Verification (CCV) Summary

Carbon, Total Organic (TOC)

Analysis Method: 9060A

Units: mg/L

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	762990	RQ2204920-01	04/30/22 22:00	1.00	1.06	106	85-115
CCV2	762990	RQ2204920-01	04/30/22 22:02	1.00	1.54	154	85-115
CCV3	762990	RQ2204920-01	04/30/22 22:06	1.00	1.17	117	85-115
CCV4	762990	RQ2204920-01	04/30/22 22:04	1.00	1.30	130	85-115
CCV5	762990	RQ2204920-05	05/01/22 00:39	50.0	50.9	102	85-115
CCV6	762990	RQ2204920-05	05/01/22 00:36	50.0	50.7	101	85-115
CCV7	762990	RQ2204920-05	05/01/22 00:33	50.0	50.5	101	85-115
CCV8	762990	RQ2204920-05	05/01/22 00:42	50.0	50.4	101	85-115
CCV9	762990	RQ2204920-11	05/01/22 03:30	90.0	93.7	104	85-115
CCV10	762990	RQ2204920-11	05/01/22 03:26	90.0	91.9	102	85-115
CCV11	762990	RQ2204920-11	05/01/22 03:33	90.0	91.5	102	85-115
CCV12	762990	RQ2204920-11	05/01/22 03:23	90.0	92.8	103	85-115
CCV13	762990	RQ2204920-13	05/01/22 06:08	1.00	0.933	93	85-115
CCV14	762990	RQ2204920-13	05/01/22 06:12	1.00	0.956	96	85-115
CCV15	762990	RQ2204920-13	05/01/22 06:14	1.00	1.01	101	85-115
CCV16	762990	RQ2204920-13	05/01/22 06:10	1.00	0.970	97	85-115

APPENDIX 4

EC/IC Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 828084

Site Name Autohaus of Rochester

Site Address: 99 Marsh Road Zip Code: 14445
City/Town: East Rochester
County: Monroe
Site Acreage: 1.600

Reporting Period: January 31, 2019 to ~~January 31, 2022~~ April 21, 2022

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 828084 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
152.13-3-4	99 Marsh Road Real Estate Holdings, LLC	Monitoring Plan Site Management Plan

Consent Order with the owner requires compliance with and implementation of the Site Management Plan

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification; Note: No Engineering Controls for the Site

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true: Note: No Engineering Controls for the Site

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 828084

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I FRAN BUTERA at 99 MARSH RD, EAST ROCHESTER, NY
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Fran Butera, G.M. 7/21/22
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

APPENDIX 5

Contaminant Trend Graphs


GP-09
Concentration in ug/L (ppb)
160
140
120
100
80
60
40
20
0
11/1/2013
2/1/2014
5/1/2014
8/1/2014
11/1/2014
2/1/2015
5/1/2015
8/1/2015
11/1/2015
2/1/2016
5/1/2016
8/1/2016
11/1/2016
2/1/2017
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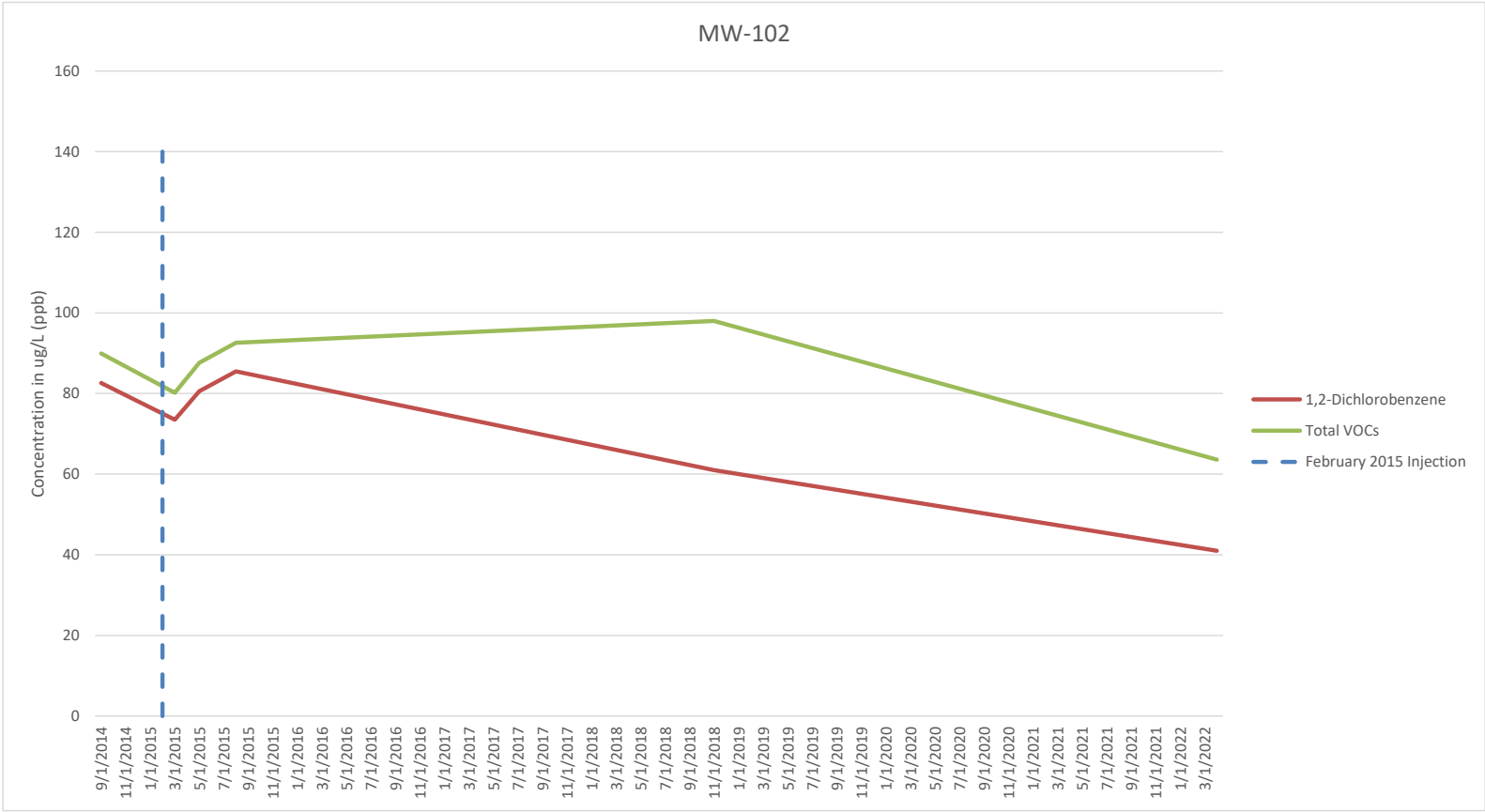
8/1/2018
11/1/2018
2/1/2019
5/1/2019
8/1/2019
11/1/2019
2/1/2020
5/1/2020
8/1/2020
11/1/2020
2/1/2021
5/1/2021
8/1/2021
11/1/2021
2/1/2022
1,2-Dichlorobenzene
Total VOCs
February 2015 Injection


MW-102
Concentration in ug/L (ppb)
160
140
120
100
80
60
40
20
0
9/1/2014
11/1/2014
1/1/2015
3/1/2015
5/1/2015
7/1/2015
9/1/2015
11/1/2015
1/1/2016
3/1/2016
5/1/2016
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7/1/2020
9/1/2020
11/1/2020
1/1/2021
3/1/2021
5/1/2021
7/1/2021
9/1/2021
11/1/2021
1/1/2022
3/1/2022
1,2-Dichlorobenzene
Total VOCs
February 2015 Injection