



September 2, 2022

Mr. Richard Doucette
Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

ECS Project No. 1507-D

Reference: Annual Groundwater Monitoring Report for year 4 for Fairlington Glen and Fairlington Meadows Neighborhoods in Arlington, Virginia 22003.

Dear Mr. Doucette:

As specified in the Operations and Maintenance (O&M) Plan prepared in conjunction with the Uniform Environment Covenants Act (UECA) environmental covenant each dated May 18, 2020 administered by the Virginia Department of Environmental Quality (VDEQ), and on behalf of TBR Associates, LLC, ECS Mid-Atlantic, LLC (ECS) has prepared this Groundwater Monitoring Report (GMR) to detail activities completed on June 22 – 24, 2022. This GMR contains analytical results for groundwater samples collected from onsite (near the Fairlington Cleaners) and offsite areas (Fairlington Glen and Fairlington Meadows neighborhoods). If you have any questions or comments regarding this report, or any other aspect of the project, please contact us at (703) 471-8400.

Respectfully submitted,

ECS MID-ATLANTIC, LLC

Jon Horner
Senior Environmental Project Manager

Noel G. Simmons, C.P.G.
Principal Hydrogeologist



**ANNUAL GROUNDWATER MONITORING REPORT – YEAR 4
FAIRLINGTON CLEANERS SOLVENT PLUME
FAIRLINGTON GLEN AND FAIRLINGTON MEADOWS PLUS ONSITE AREAS
ARLINGTON, VIRGINIA**

ECS PROJECT NO. 47:1507

FOR

**VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY
CASE MANAGER: RICHARD DOUCETTE**

SEPTEMBER 2, 2021

**ANNUAL GROUNDWATER MONITORING REPORT – YEAR 4
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FAIRLINGTON GLEN AND FAIRLINGTON MEADOWS PLUS ONSITE AREAS
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TABLE OF CONTENTS

EXECUTIVE SUMMARY	ii
<u>SECTION</u>	<u>PAGE</u>
1.0 ACTIVITIES COMPLETED THIS PERIOD	1
1.1 Monitoring Well Survey	2
1.2 Groundwater Sampling from the Permanent Wells	2
1.3 SSDS Inspections	3
2.0 PLANNED ACTIVITIES FOR NEXT PERIOD	4

FIGURES

Figure 1 – Groundwater Results for June 22-27, 2022

TABLES

Table 1 – Groundwater Gauging Data

Table 2 – Summary of Detected Volatile Organic Compounds

Table 2 – Historical Summary of Target Solvent Compounds

APPENDICES

Appendix A – Groundwater Concentration Trend Graphs

Appendix B – Laboratory Reports

EXECUTIVE SUMMARY

On June 22 to 27, 2022, ECS sampled six monitoring wells surrounding Fairlington Centre and the seven neighborhood monitoring wells previously identified and approved by the Fairlington Glen (the Glen) and Fairlington Meadows (the Meadows) homeowners associations to establish a long-term monitoring network for the chlorinated solvent plume beneath parts of these neighborhoods. This Groundwater Monitoring Report (GMR) contains analytical results for groundwater samples collected from onsite (near the Fairlington Cleaners) and offsite areas (Fairlington Glen and Fairlington Meadows neighborhoods). Groundwater elevations taken from these monitoring wells (Table 1) were used to construct a potentiometric contour map that indicates the typical northwest groundwater flow direction that is consistent with the known shape of the plume determined from the earlier temporary well investigations discussed in the 2018 Site Characterization Report (Figure 1).

Of the seven offsite groundwater samples collected from the new permanent monitoring wells in the Glen and Meadows, the results were as expected (Table 2 and Figure 1). Four of the wells located within the Glen are positioned at the edge of the plume (MW-14, MW-17, MW-18, and MW-19) to track whether the plume was expanding over time. As expected, none of these wells detected any contamination, indicating that the plume is not expanding in the neighborhoods. PCE degradation products, trichloroethane (TCE) cis1,2-dichloroethane (c12DCE) in the core of the plume at Well MW-15 increased slightly (from 24.1 to 24.5 ppb and from 12.6 to 17.7 ppb, respectively). Perimeter wells did not detect any volatile organic compounds (VOCs). These data indicate that continued microbial degradation of the plume is occurring (Table 3).

Nine onsite wells surrounding the Fairlington Cleaners were also targeted for sampling. However, MW-10 could not be located and MW-11 appears to have been damaged collapsed from 6.5 to 14.5 feet. These two wells are located within median of North Quaker Lane and it appears that work in the median may have destroyed these two wells. Well MW-12 could not be sampled during this event due to the presence of parked vehicles that prevented access to the well.

Near the source areas, all of the wells except MW-1 demonstrated continued declining trends in tetrachloroethene (PCE) trends from past years. PCE in MW-1 rose 40.7 ppb to 94.1 ppb. However, these concentrations are within the same order of magnitude as detected previously. PCE degradation products, c12DCE also increased in MW-1 (from 26.2 to 45.4 ppb), TCE increased in MW-7 (from 7.2 to 11.1 ppb), and vinyl chloride (VC) increased in MW-7 (from ND to 6 ppb). These increases in PCE daughter products indicated continued microbial degradation is occurring at the source area.

The available data continues to support previous interpretations of the contaminant plume's location, that is not expanding, that it can be expected to degrade naturally, and ultimately shrink in size. Subslab depressurization systems (SSDSs) were inspected and found to be working properly. ECS will collect another round of groundwater samples from onsite areas and the Glen and Meadows permanent monitoring wells in June 2023.

1.0 ACTIVITIES COMPLETED THIS PERIOD

On behalf of TBR Associates, LP (TBR), ECS Mid-Atlantic, LLC (ECS) has prepared this semi-annual Groundwater Monitoring Report (GWMR) for the Virginia Department of Environmental Quality (VDEQ) to provide the results of the long-term groundwater monitoring program within and near the affected areas of Fairlington Glen (the Glen) and Fairlington Meadows (the Meadows) neighborhoods where the chlorinated solvent plume emanating from Fairlington Cleaners is located. A permanent groundwater monitoring network comprising seven wells was installed to provide ongoing data on the size and position of the chlorinated solvent plume emanating from Fairlington Cleaners on the west side of North Quaker Lane (Figure 1). This GWMR documents the annual groundwater sampling event and sub-slab depressurization system (SSDS) inspections for 2021. Activities included: 1) sampling seven offsite permanent groundwater monitoring wells in the Glen and Meadows neighborhoods, and 2) sampling six onsite monitoring wells surrounding Fairlington Cleaners, and 3) inspection of the subslab depressurization systems (SSDSs) installed in offsite private homes in the Glen neighborhood.

The chlorinated solvent plume below the Glen and Meadows neighborhoods is composed of a class of volatile organic compounds (VOCs) derived from chlorinated solvents. These solvents were released from the drycleaner location at some point over the past several decades. The solvent used to dry clean clothes was tetrachloroethene which is also known as perchloroethene (PCE). The PCE molecule has four chlorine atoms as part of its chemical structure and once in the subsurface is degraded by anaerobic bacteria that gradually strip away the chlorine molecules one at a time to sequentially form trichloroethene (TCE), cis-1,2 dichloroethene (c12DCE), and with only one chlorine molecule left, vinyl chloride. This process of natural attenuation/biodegradation is called reductive dechlorination. After all of the chlorine atoms are stripped off, the remaining core molecule, ethene, has low toxicity.

All the results present in this report are expressed in units of parts per billion (ppb) which are equivalent to the scientific units of the laboratory given in micrograms per liter (ug/L). The laboratory detection limit (the lowest quantity that can be seen by the instrument and analytical method) was 1 ppb. This detection limit is less than the VDEQ health screening levels of 5 ppb for PCE and TCE, and 70 ppb for c12DCE. Essentially, the 1 ppb detection limit indicates that the laboratory's analysis had the necessary resolution required for these data. However, where high concentrations are present, the laboratory may have to dilute a sample in order to properly quantify the compounds (e.g., the sample from well MW-15 had a high PCE concentration (489 ppb) that required a 10-fold dilution). The VDEQ health screening levels evaluate risk from potential use of groundwater for domestic/potable purposes. Although groundwater is not used for these purposes locally, these health

screening levels are routinely used by environmental professionals to gauge the significance of groundwater contamination.

1.1 Monitoring Well Survey

ECS previously contracted surveyors to measure the elevation of the top of the well casings for the newly installed monitoring wells in the Glen and Meadows neighborhoods. The elevations were determined to an accuracy of 0.01 feet. By measuring the depth to the groundwater from the top of the casing and subtracting that value from the casing elevation, the elevation of the ground water table (also known as the potentiometric surface) can be determined (Table 1). Potentiometric surface elevations for the onsite and offsite wells were then used to develop a potentiometric surface contour map (Figure 1). Because groundwater flows from high to low elevation, this map can be used to determine the groundwater flow direction. The groundwater flow direction was determined to be to the northwest, consistent with the shape of the plume that was determined for the Site Characterization Report (Figure 1).

1.2 Groundwater Sampling from the Permanent Wells

Wells were sampled using low-flow pumping (at an approximately ¼ gallon per minute rate) using a peristaltic pump. New Teflon-lined polyethylene tubing was used at each well to collect the sample. All purge water was transported off site for later disposal by RECO Biotechnology. After collection, the groundwater samples were preserved on ice and transported under strict chain of custody procedures to Maryland Spectral Services, a VELAP–certified analytical laboratory for VOC analysis (via EPA method 8260B). Analytical reports from the laboratory are provided in Appendix B.

Table 2 provides the results for volatile organic compounds (VOCs) that were detected, and Figure 1 plots these data on the plume map generated for SCRA3. Concentration trend graphs for each well are included in Appendix A. The first round of data from the permanent wells in the offsite Glen and Meadows neighborhoods that was collected in December 2018 matched the previous PCE contaminant isopleths based on temporary well data very nicely.

Of the seven offsite groundwater samples collected in June 2022 from the permanent monitoring wells in the Glen and Meadows, the results were as expected (Table 2 and Figure 1). Four of the wells located within the Glen are positioned at the edge of the plume (MW-14, MW-17, MW-18, and MW-19) to track whether the plume was expanding over time. As expected, none of these wells detected any contamination, indicating that the plume is not expanding in the neighborhoods. The results for the wells within the plume were similar to previous data and demonstrated steady to declining concentration trends (Table 3,

Appendix A) for all wells and all compounds between December 2018 and June 2022. The slightly elevated concentrations identified in the June 2019 data for MW-15 and MW-16 have declined to concentrations less than the initial December 2018 data (Table 3). PCE degradation products, trichloroethane (TCE) cis1,2-dichloroethane (c12DCE) in the core of the plume at Well MW-15 increased slightly (from 24.1 to 24.5 ppb and from 12.6 to 17.7 ppb, respectively). Perimeter wells did not detect any volatile organic compounds (VOCs). These data indicate that continued microbial degradation of the plume is occurring.

Six onsite wells surrounding the Fairlington Cleaners were also sampled in the June 2022 sampling event. Originally, nine onsite wells surrounding the Fairlington Cleaners were also targeted for sampling. However, MW-10 could not be located and MW-11 appears to have been damaged collapsed from 6.5 to 14.5 feet. These two wells are located within median of North Quaker Lane and it appears that work in the median may have destroyed these two wells. The overall shape of the solvent plume has been well defined by several years of groundwater monitoring events. Because they are not located near the source area nor are they located within the neighborhoods, ECS does not believe that these wells are required to adequately monitor the plume. Well MW-12 could not be sampled during this event due to the presence of parked vehicles that prevented access to the well.

Near the source areas, all of the wells except MW-1 demonstrated continued declining trends in tetrachloroethene (PCE) trends from past years. PCE in MW-1 rose 40.7 ppb to 94.1 ppb. However, these concentrations are within the same order of magnitude as detected previously. PCE degradation products, c12DCE also increased in MW-1 (from 26.2 to 45.4 ppb), TCE increased in MW-7 (from 7.2 to 11.1 ppb), and vinyl chloride (VC) increased in MW-7 (from ND to 6 ppb). These increases in PCE daughter products indicated continued microbial degradation is occurring at the source area.

The available data continues to support previous interpretations of the contaminant plume's location, that the plume is at steady state conditions (is no longer expanding or substantial increasing in concentration) and that the plume can be expected to degrade naturally with time.

1.3 SSDS Inspections

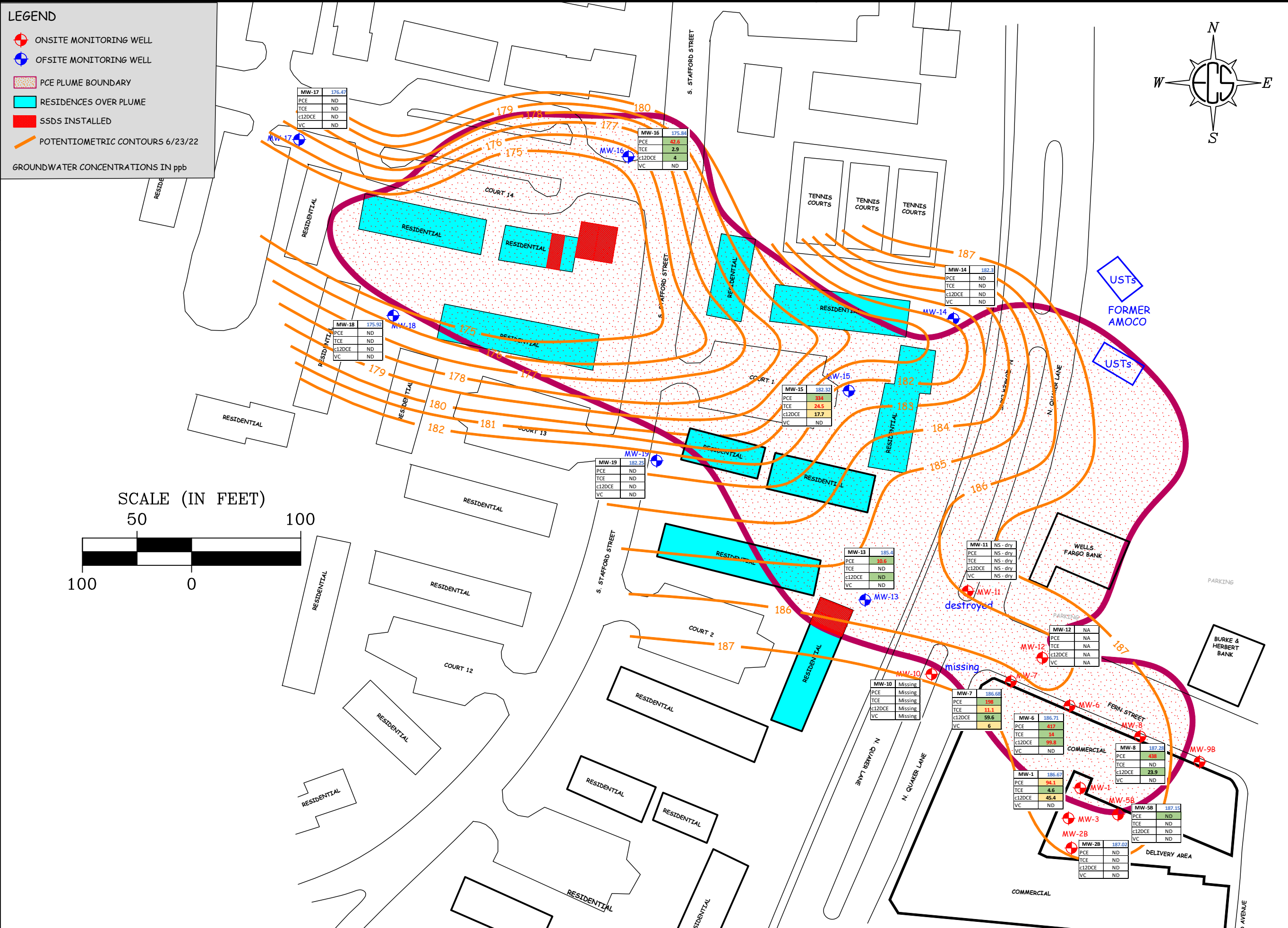
ECS inspected the SSDS units that have been installed in the five homes in Fairlington Glen. All units were found to be in proper working condition.

2.0 PLANNED ACTIVITIES FOR NEXT PERIOD

Another round of annual SSDS inspections and groundwater sample collection from the permanent well network in the onsite areas and offsite Glen and Meadows neighborhoods will occur in June 2023. If declining trends in the neighborhood wells persist, the project operations and Maintenance (O&M) plans calls for a change in groundwater sampling frequency to every three years. Inspections of the SSDS installations will continue to be performed annually.

FIGURES

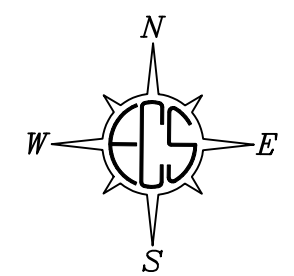
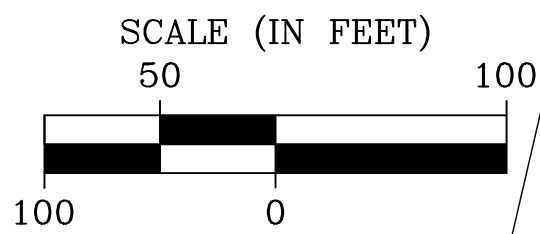
C:\Users\mimmons\OneDrive - ECS Corporate Services\47 Projects\1401-1800\1501-1600\1507 - Fairlington Dry Cleaners\drafting\Fairlington FIG 1_Site Layout latest JUN 2022.dwg



LEGEND

- ONSITE MONITORING WELL
- OFSITE MONITORING WELL
- PCE PLUME BOUNDARY
- RESIDENCES OVER PLUME
- SSDS INSTALLED
- POTENTIOMETRIC CONTOURS 6/23/22

GROUNDWATER CONCENTRATIONS IN ppb



**FAIRLINGTON CLEANERS
ALEXANDRIA, VA**



**GROUNDWATER RESULTS
JUNE 22 - 24, 2022
FIGURE 1**

ECS REVISIONS	
ENGINEER	DRAFTING
NGS	NGS
SCALE AS SHOWN	
PROJECT NO. 47:1507	
SHEET FIGURE 1	
DATE 07/06/2020	

TABLES

Table 1
Well Gauging Data
Fairlington Dry Cleaners 2022

Well Number	Top of Casing Elevation (ft)	Depth to Water (ft)	Depth to bottom (ft)	Water Column Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-1	199.96	13.29	17.83	4.54	186.67
MW-2B	200.02	13	19.75	6.75	187.02
MW-5B	199.36	12.21	19.6	7.39	187.15
MW-6	199.31	12.6	18.75	6.15	186.71
MW-7	199.58	12.9	22.53	9.63	186.68
MW-8	199.58	12.3	19.4	7.1	187.28
MW-10	198.72	missing	missing	N/A	N/A
MW-11	201.45	dry	6.6*	N/A	N/A
MW-12	199.58	below car	below car	N/A	N/A
MW-13	198.35	12.95	16.22	3.27	185.4
MW-14	191.12	8.82	15.1	6.28	182.3
MW-15	190.37	8.05	17.4	9.35	182.32
MW-16	188.6	12.76	17.05	4.29	175.84
MW-17	190.37	13.9	15.6	1.7	176.47
MW-18	192.56	16.64	17.46	0.82	175.92
MW-19	193.57	11.32	18.05	6.73	182.25

Notes:

Wells gauged from top of casing (TOC)

All wells gauged on June 23, 2022 prior to sampling

* Well appears to have been damaged (formerly 14.55 ft)

N/A - not available

Table 2
Summary Analytical Results for Year 4
June 23 - 27, 2022
Fairlington Cleaners - Alexandria, VA

Target Chlorinated Solvents	VDEQ Tier II Screening Level	Onsite - Fairlington Centre, Fern Street, & North Quaker Lane Wells									Offsite - Fairlington Glen & Fairlington Meadows Wells						
		MW-1 27-Jun-22	MW-2B 23-Jun-22	MW-5B 23-Jun-22	MW-6 27-Jun-22	MW-7 27-Jun-22	MW-8 27-Jun-22	MW-10 NA	MW-11 NA	MW-12 NA	MW-13 24-Jun-22	MW-14 24-Jun-22	MW-15 24-Jun-22	MW-16 24-Jun-22	MW-17 24-Jun-22	MW-18 24-Jun-22	MW-19 24-Jun-22
Tetrachloroethene	5	94.1	ND	ND	417	198	438	NS-missing	NS-dry	NA	10.6	ND	334	42.6	ND	ND	ND
Trichloroethene	5	4.6	ND	ND	14	11.1	ND	NS-missing	NS-dry	NA	ND	ND	24.5	2.9	ND	ND	ND
cis-1,2-Dichloroethene	70	45.4	ND	ND	99.8	59.6	23.9	NS-missing	NS-dry	NA	ND	ND	17.7	4	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	6	ND	NS-missing	NS-dry	NA	ND	ND	ND	ND	ND	ND	ND

Other Non-Target VOCs																	
Acetone	1400	ND	ND	20.4	ND	ND	ND	NS-missing	NS-dry	NA	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	81	ND	ND	ND	ND	2	ND	NS-missing	NS-dry	NA	ND	ND	ND	ND	ND	ND	ND
Chloroform	2.2	ND	ND	ND	ND	ND	ND	NS-missing	NS-dry	NA	ND	ND	ND	ND	ND	ND	2.3
Methyl tert-butyl ether (MTBE)	70	ND	ND	ND	ND	ND	ND	NS-missing	NS-dry	NA	ND	ND	5.2	ND	ND	ND	ND

All results in parts per billion (ug/L)

ND = not detected above the laboratory detection limit.

NA = Not available (cars parked over well)

NS = Not sampled (reason)

Screening Level - Virginia Department of Environmental Quality Voluntary Remediation Program Tier II (Residential) Screening Level

RED = above screening level

Increased Concentration from last round (Target VOCs only) =



Decreased Concentration from last round (Target VOCs only) =



Table 3
 Historical Sampling Results
 2015 to 2022
 Fairlington Cleaners - Alexandria, VA

Chemical	VDEQ Tier II Screening Level	Onsite (Fairlington Centre) Wells																			
		MW-1 9-Nov-15	MW-1 21-Jun-19	MW-1 10-Jun-20	MW-1 01-Jul-21	MW-1 27-Jun-22	MW-2B 9-Nov-15	MW-2B 21-Jun-19	MW-2B 10-Jun-20	MW-2B 30-Jun-21	MW-2B 23-Jun-22	MW-5B 9-Nov-15	MW-5B 21-Jun-19	MW-5B 10-Jun-20	MW-5B 30-Jun-21	MW-5B 23-Jun-22	MW-6 9-Nov-15	MW-6 20-Jun-19	MW-6 09-Jun-20	MW-6 30-Jun-21	MW-6 27-Jun-22
Tetrachloroethene	5	2.2 J	83.3	21.4	40.7	94.1	ND	2.6	1.9	ND	ND	ND	ND	2	1	ND	1210	717	396	545	417
Trichloroethene	5	ND	11.6	5.2	4.6	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.7 J	27.6	17.2	22.5	14
cis-1,2-Dichloroethene	70	86.1	51.8	19.7	26.2	45.4	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	143	150	100	130	99.8
Vinyl chloride	2	13.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Chemical	VDEQ Tier II Screening Level	Onsite (Fern Street) Wells														
		MW-7 9-Nov-15	MW-7 21-Jun-19	MW-7 09-Jun-20	MW-7 29-Jun-21	MW-7 27-Jun-22	MW-8 9-Nov-15	MW-8 20-Jun-19	MW-8 10-Jun-20	MW-8 30-Jun-21	MW-8 27-Jun-22	MW-12 9-Nov-15	MW-12 24-Jun-19	MW-12 10-Jun-20	MW-12 30-Jun-21	MW-12 NA
Tetrachloroethene	5	2600	252	468	286	198	18600	1210	424	563	438	ND	103	14.2	31.3	NA
Trichloroethene	5	80.6 J	6.8	12.1	7.2	11.1	ND	ND	ND	ND	ND	ND	4	ND	ND	NA
cis-1,2-Dichloroethene	70	293	29.7	73.7	38.5	59.6	ND	60.5	34.2	40.3	23.9	ND	21.4	3.4	9.1	NA
Vinyl chloride	2	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

Chemical	VDEQ Tier II Screening Level	Onsite (North Quaker Lane Median) Wells										
		MW-10 9-Nov-15	MW-10 24-Jun-19	MW-10 09-Jun-20	MW-10 29-Jun-21	MW-10 NA	MW-11 9-Nov-15	MW-11 20-Jun-19	MW-11 09-Jun-20	MW-11 29-Jun-21	MW-11 NA	
Tetrachloroethene	5	ND	ND	ND	ND	missing	1950	71	162	120	NS-dry	
Trichloroethene	5	ND	ND	ND	ND	missing	ND	2	5.3	4.6	NS-dry	
cis-1,2-Dichloroethene	70	ND	ND	ND	ND	missing	ND	8.3	30.5	25.8	NS-dry	
Vinyl chloride	2	ND	ND	ND	ND	missing	ND	ND	ND	ND	NS-dry	

Chemical	VDEQ Tier II Screening Level	Offsite (Fairlington Glen & Fairlington Meadows) Wells																	
		MW-13 20-Dec-18	MW-13 19-Jun-19	MW-13 21-Jan-20	MW-13 09-Jun-20	MW-13 29-Jun-21	MW-13 24-Jun-22	MW-14 20-Dec-18	MW-14 19-Jun-19	MW-14 21-Jan-20	MW-14 09-Jun-20	MW-14 29-Jun-21	MW-14 24-Jun-22	MW-15 20-Dec-18	MW-15 20-Jun-19	MW-15 21-Jan-20	MW-15 09-Jun-20	MW-15 29-Jun-21	MW-15 24-Jun-22
Tetrachloroethene	5	81	60	50.2	38.5	16.6	10.6	ND	ND	1.1	ND	ND	ND	590	601	274	503	489	334
Trichloroethene	5	2.5	ND	1.2	ND	ND	ND	ND	ND	1.2	ND	ND	ND	59.5	29.2	20.4	42.7	24.1	24.5
cis-1,2-Dichloroethene	70	9.8	5.8	5.2	4.3	1.3	ND	ND	ND	1.3	ND	ND	ND	22.1	15	6.9	26.6	12.6	17.7
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Chemical	VDEQ Tier II Screening Level	Offsite (Fairlington Glen & Fairlington Meadows) Wells												
		MW-16 20-Dec-18	MW-16 19-Jun-19	MW-16 21-Jan-20	MW-16 08-Jun-20	MW-16 01-Jul-21	MW-16 24-Jun-22	MW-17 20-Dec-18	MW-17 19-Jun-19	MW-17 21-Jan-20	MW-17 08-Jun-20	MW-17 01-Jul-21	MW-17 24-Jun-22	
Tetrachloroethene	5	108	75.8	50.2	125	58.2	42.6	ND	ND	ND	ND	ND	ND	
Trichloroethene	5	7.2	5.4	3.8	8.3	3.4	2.9	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	70	22.1	6	4.4	10.5	4.5	4	ND	ND	ND	ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Chemical	VDEQ Tier II Screening Level	Offsite (Fairlington Glen & Fairlington Meadows) Perimeter Wells										
		MW-18 20-Dec-18	MW-18 19-Jun-19	MW-18 21-Jan-20	MW-18 09-Jun-20	MW-18 28-Jun-21	MW-18 24-Jun-22	MW-19 20-Dec-18	MW-19 19-Jun-19	MW-19 21-Jan-20	MW-19 09-Jun-20	MW-19 01-Jul-21
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

All results in parts per billion (ug/L)

ND = not detected above the laboratory detection limit.

Screening Level - Virginia Department of Environmental Quality Voluntary Remediation Program Tier II (Residential) Screening Level

RED = above screening level

Increased Concentration =

Decreased Concentration =

APPENDIX A
GROUNDWATER CONCENTRATION TREND GRAPHS

MW-1

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

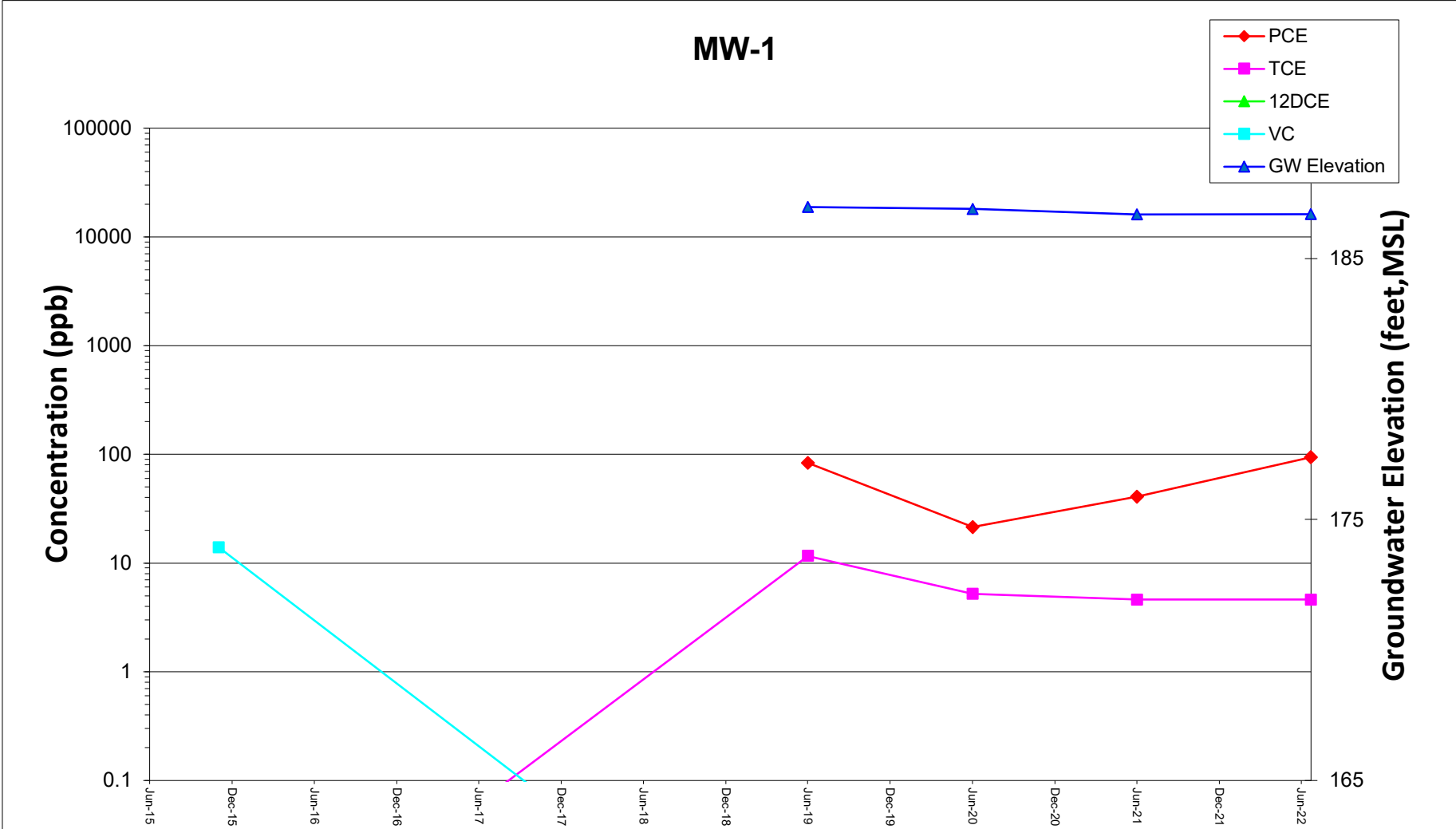
Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

185
175
165



MW-2B

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

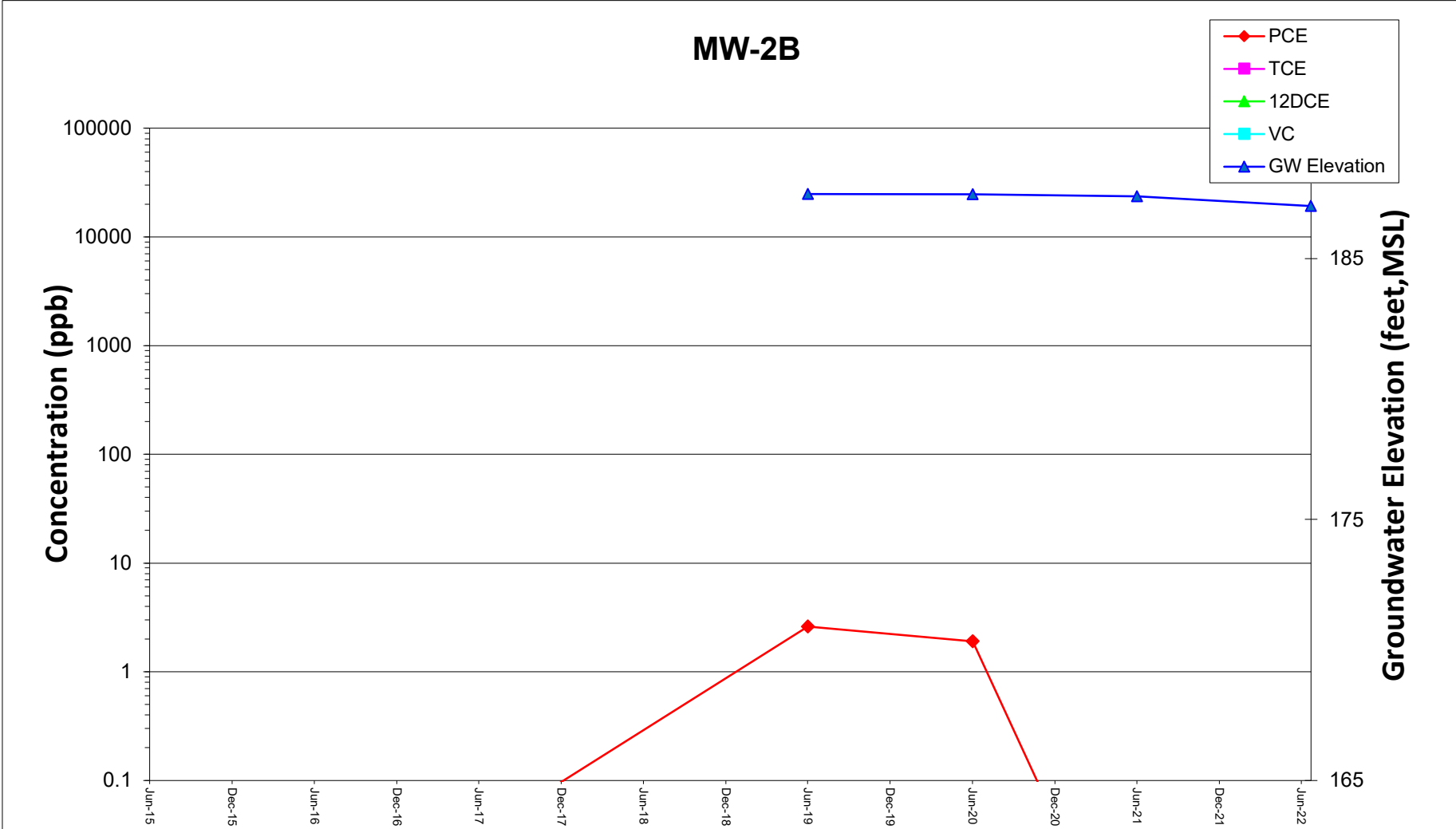
Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

185
175
165



MW-5B

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

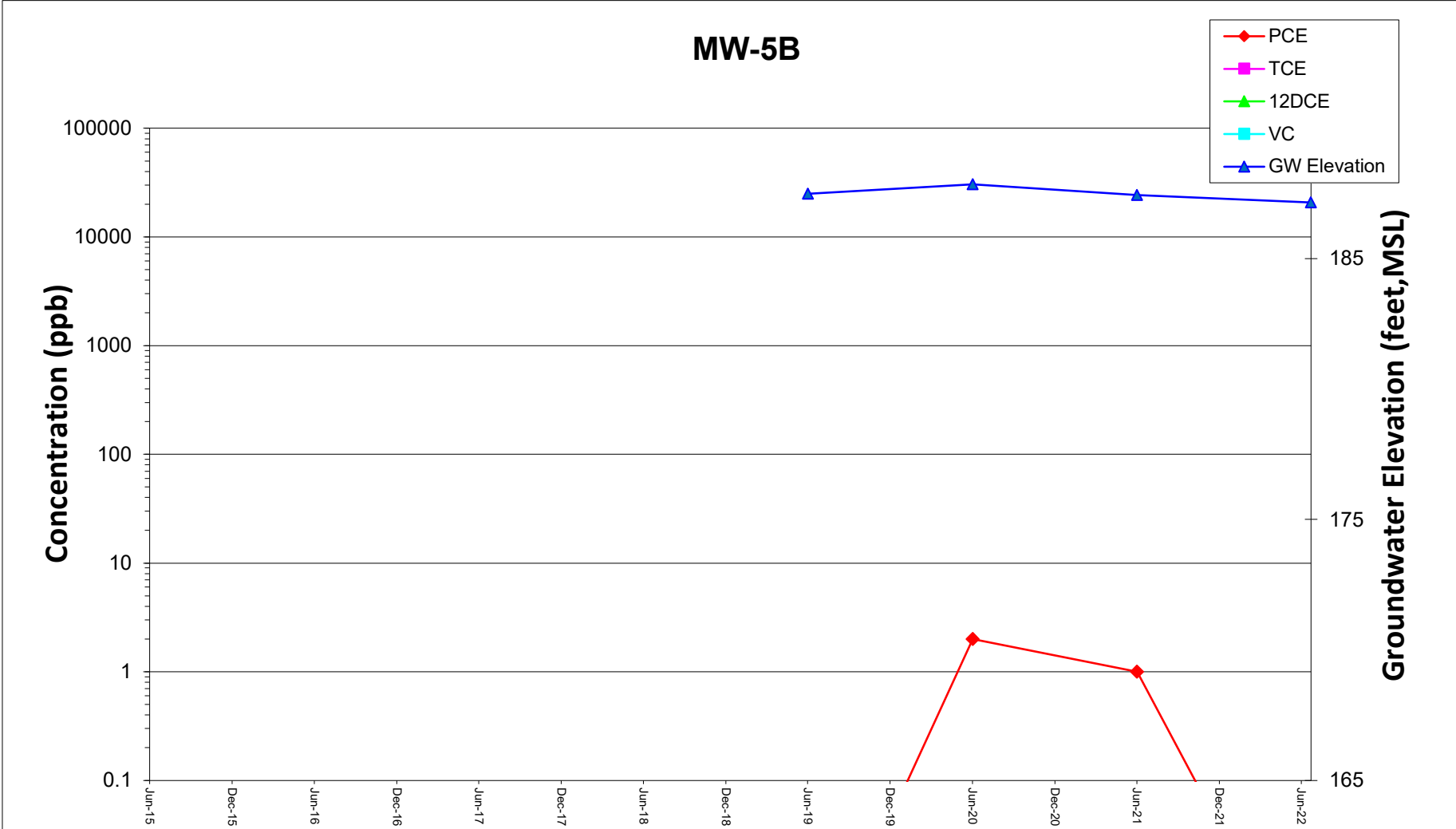
Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

185
175
165



MW-6

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15

Dec-15

Jun-16

Dec-16

Jun-17

Dec-17

Jun-18

Dec-18

Jun-19

Dec-19

Jun-20

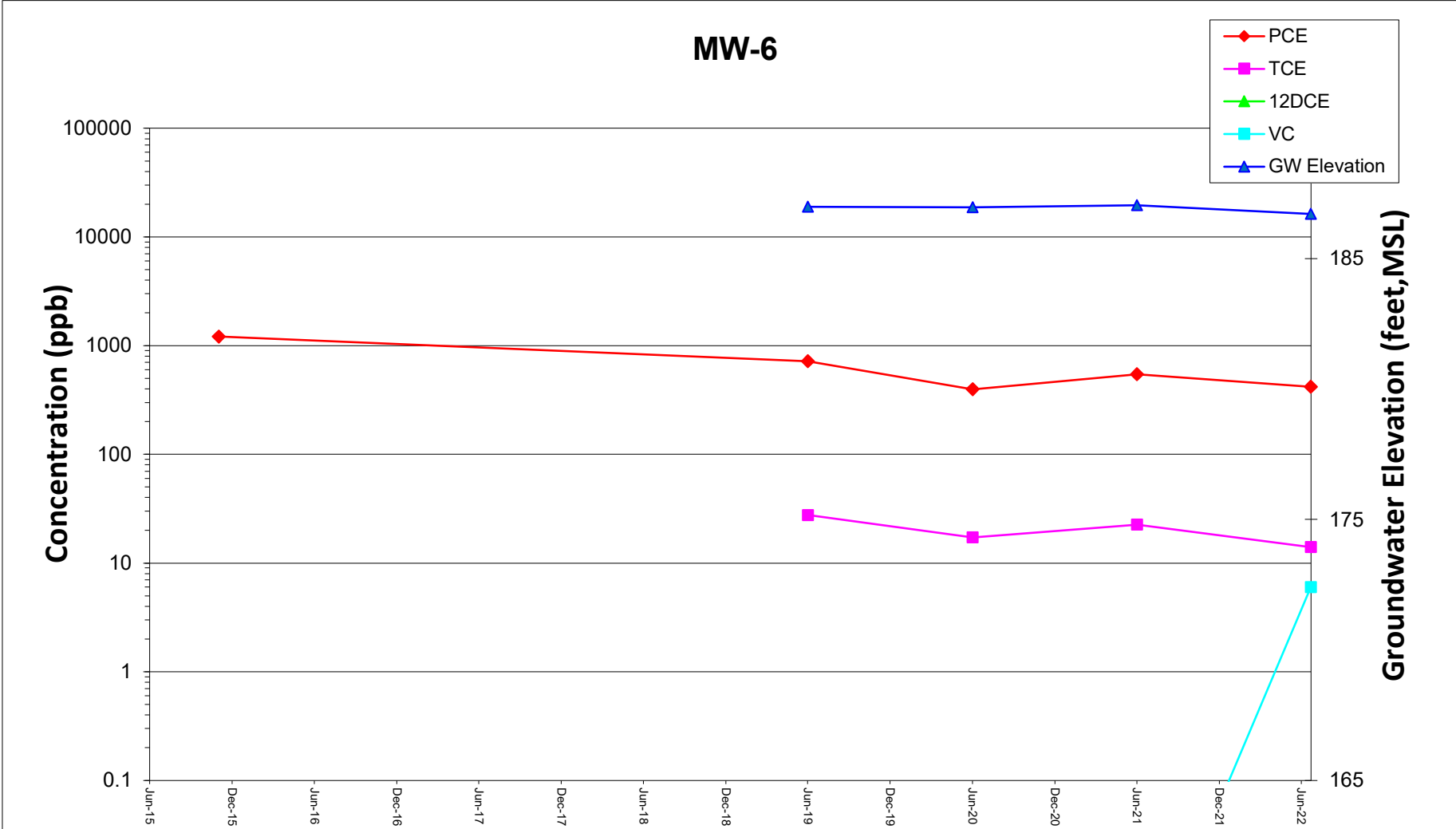
Dec-20

Jun-21

Dec-21

Jun-22

185
175
165



MW-7

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15

Dec-15

Jun-16

Dec-16

Jun-17

Dec-17

Jun-18

Dec-18

Jun-19

Dec-19

Jun-20

Dec-20

Jun-21

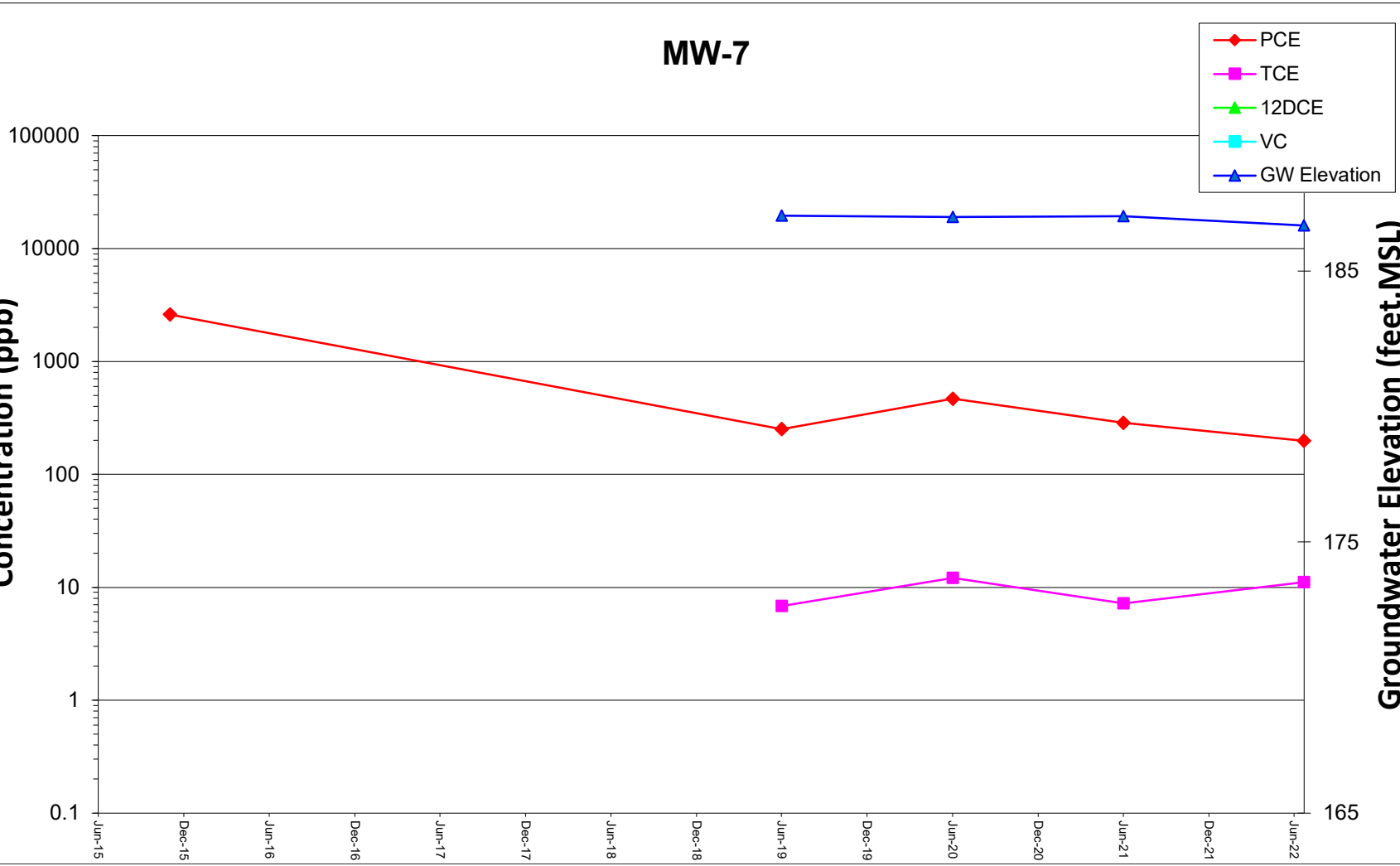
Dec-21

Jun-22

185

175

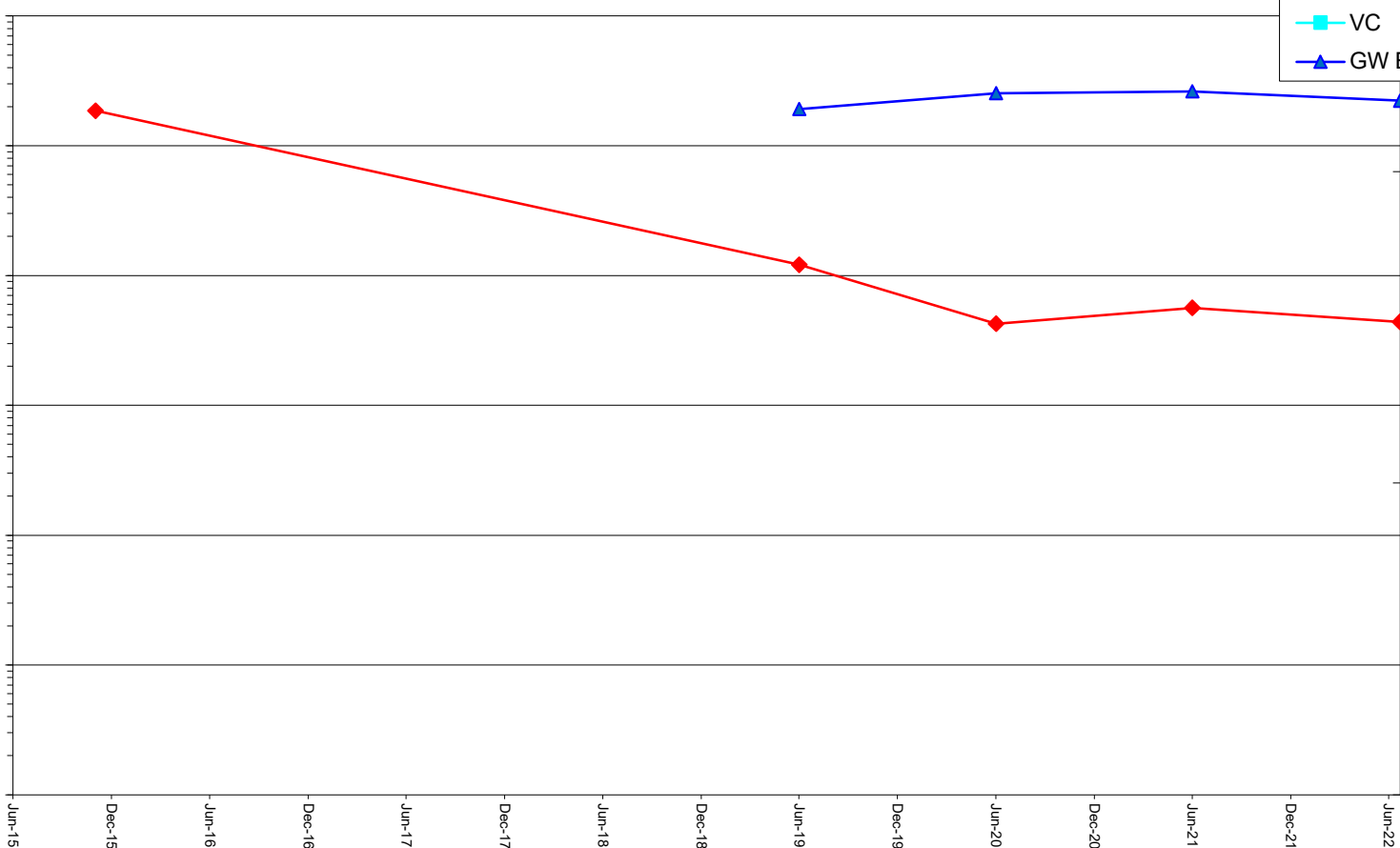
165



MW-8

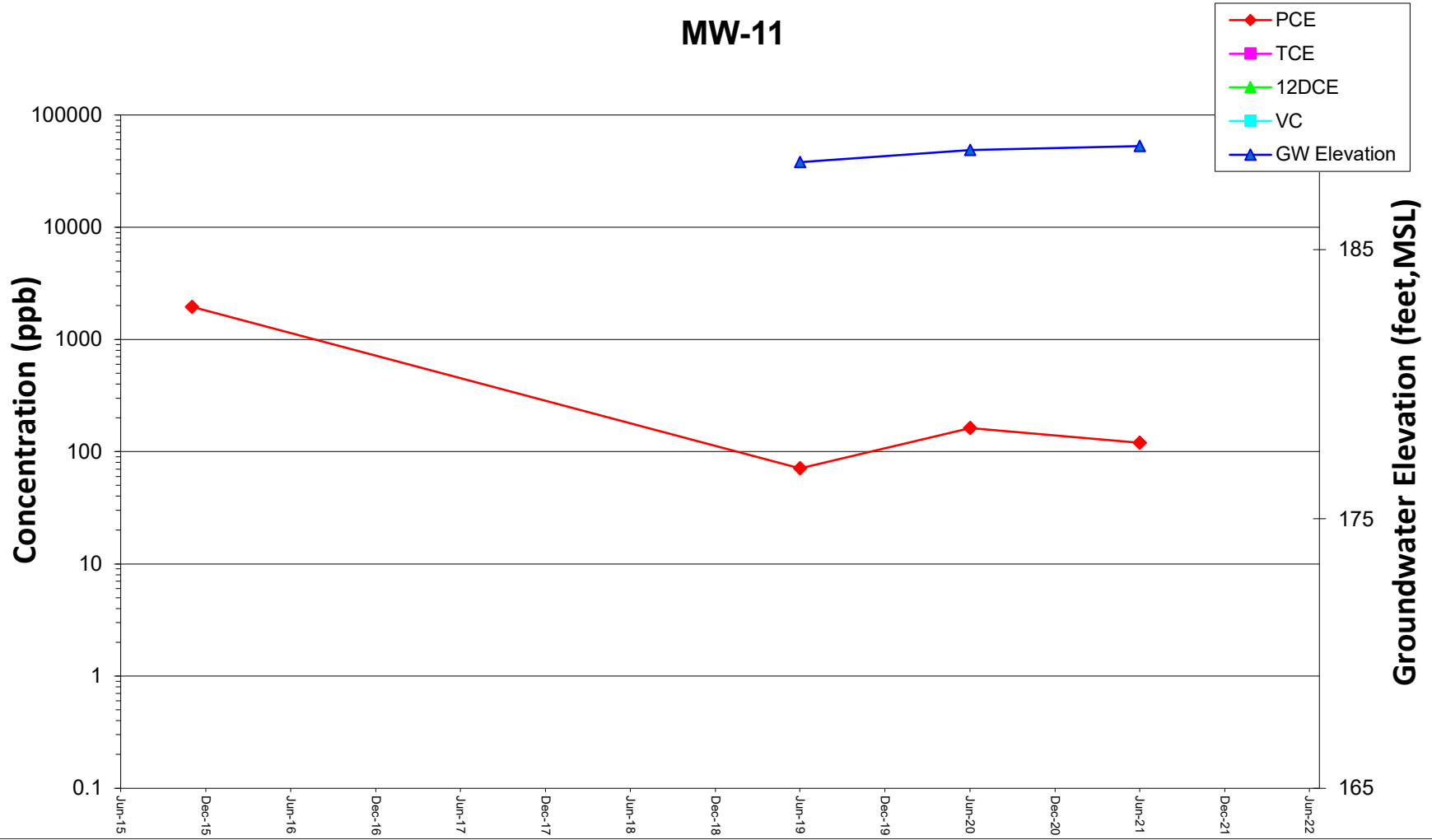
- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)



Groundwater Elevation (feet, MSL)

MW-11



MW-10

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

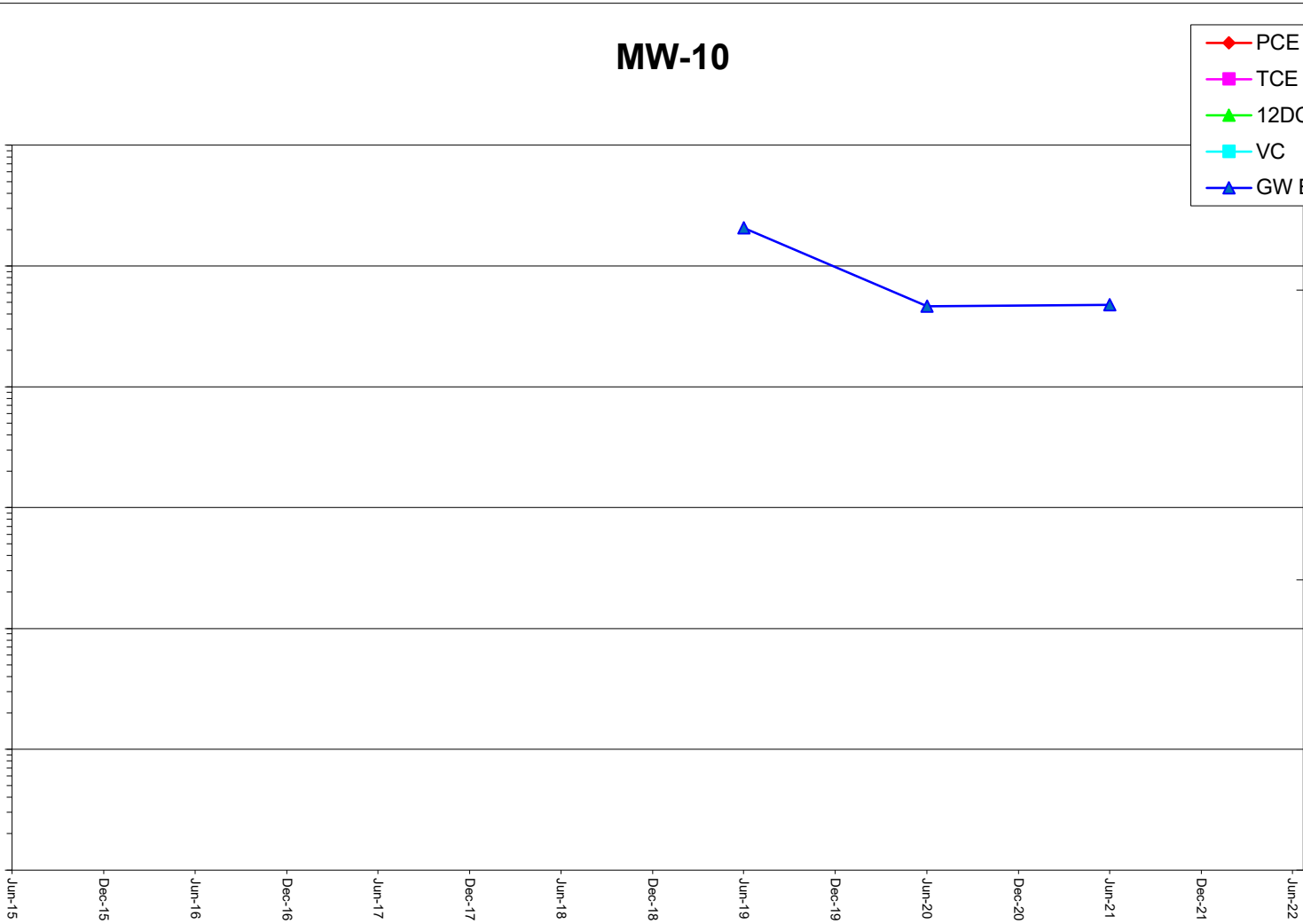
Concentration (ppb)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

Groundwater Elevation (feet,MSL)

185
175
165

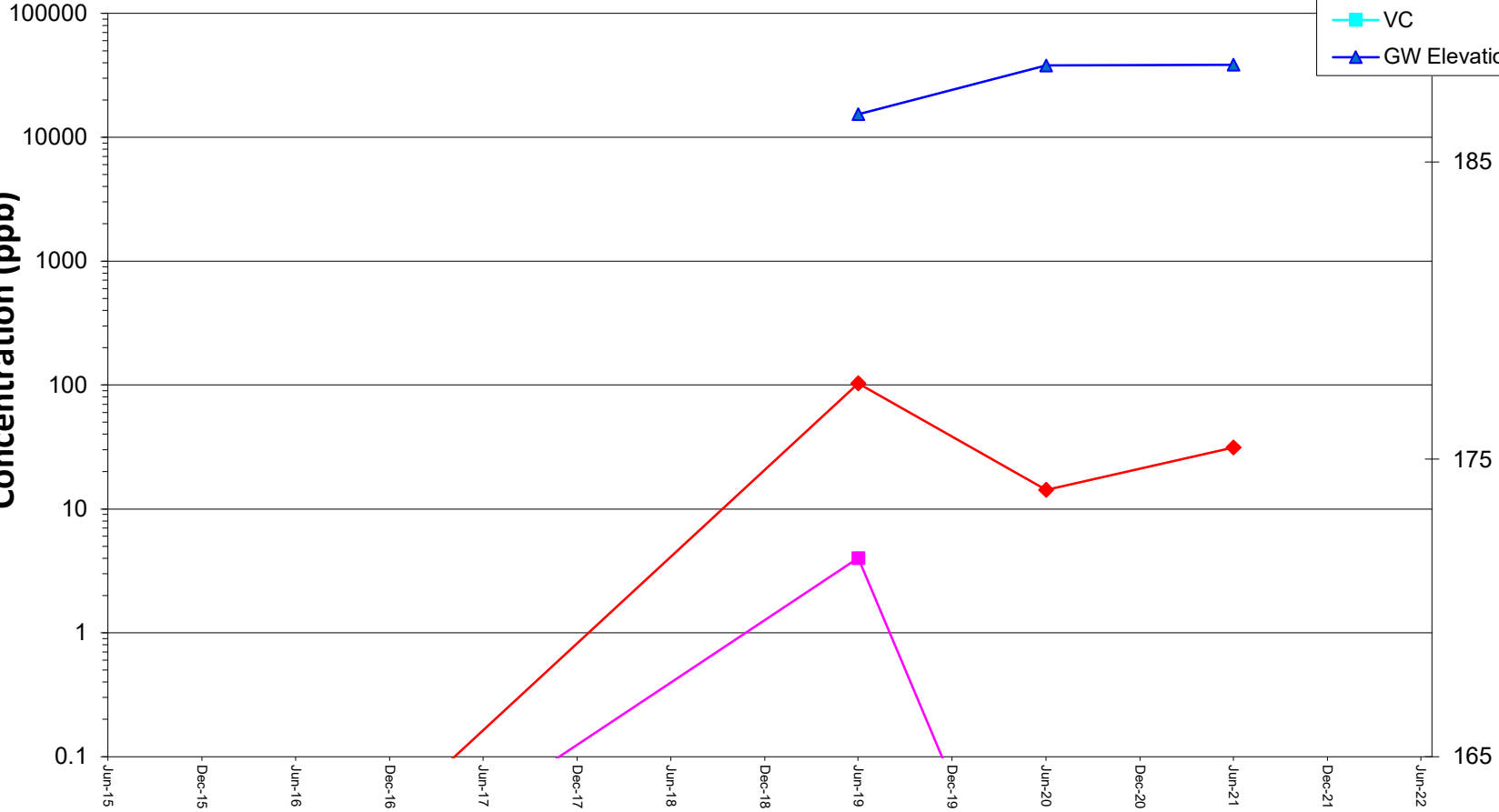


MW-12

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)

Groundwater Elevation (feet,MSL)

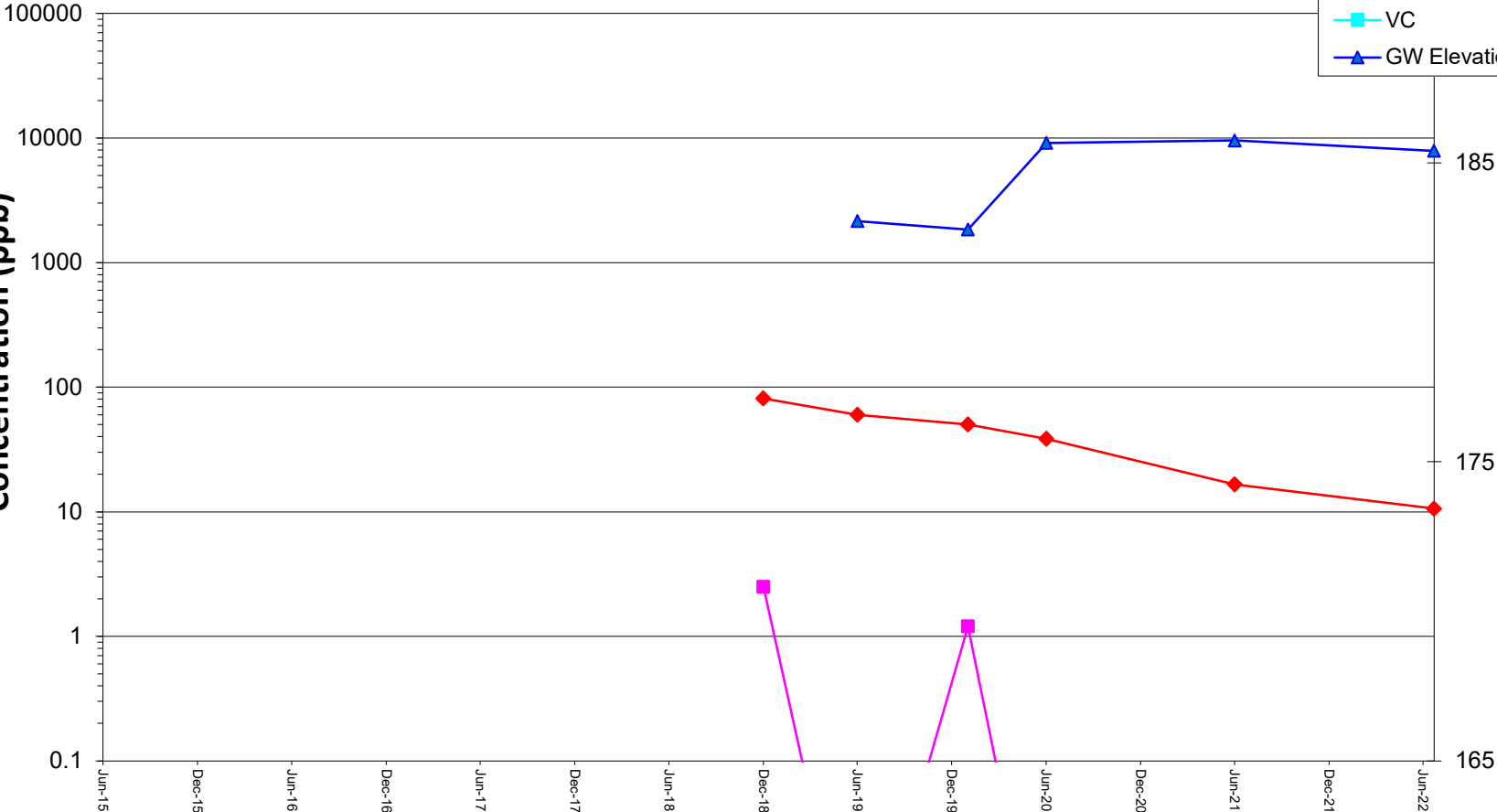


MW-13

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)

Groundwater Elevation (feet,MSL)



MW-14

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

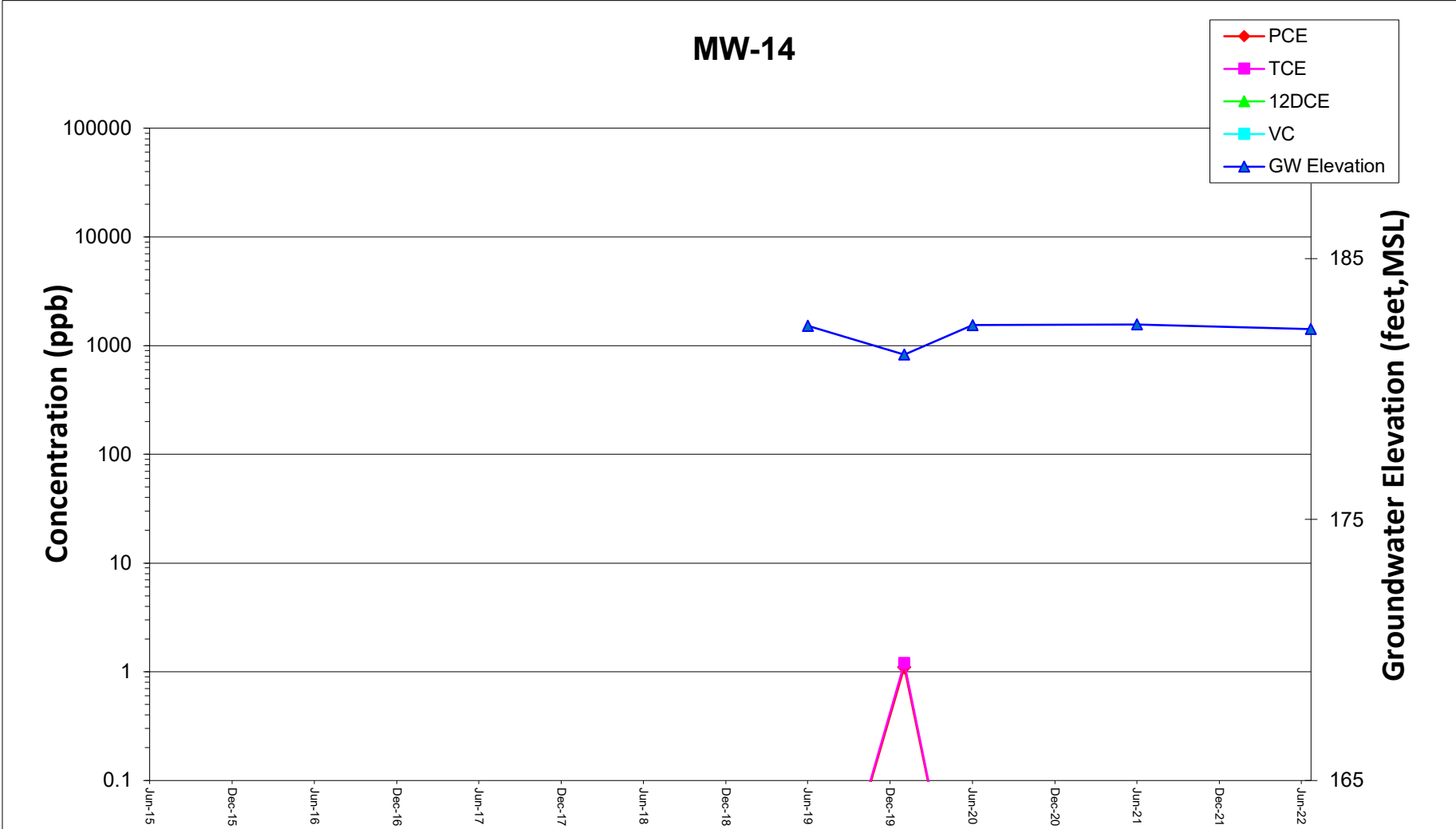
Concentration (ppb)

Groundwater Elevation (feet,MSL)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

185
175
165



MW-15

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

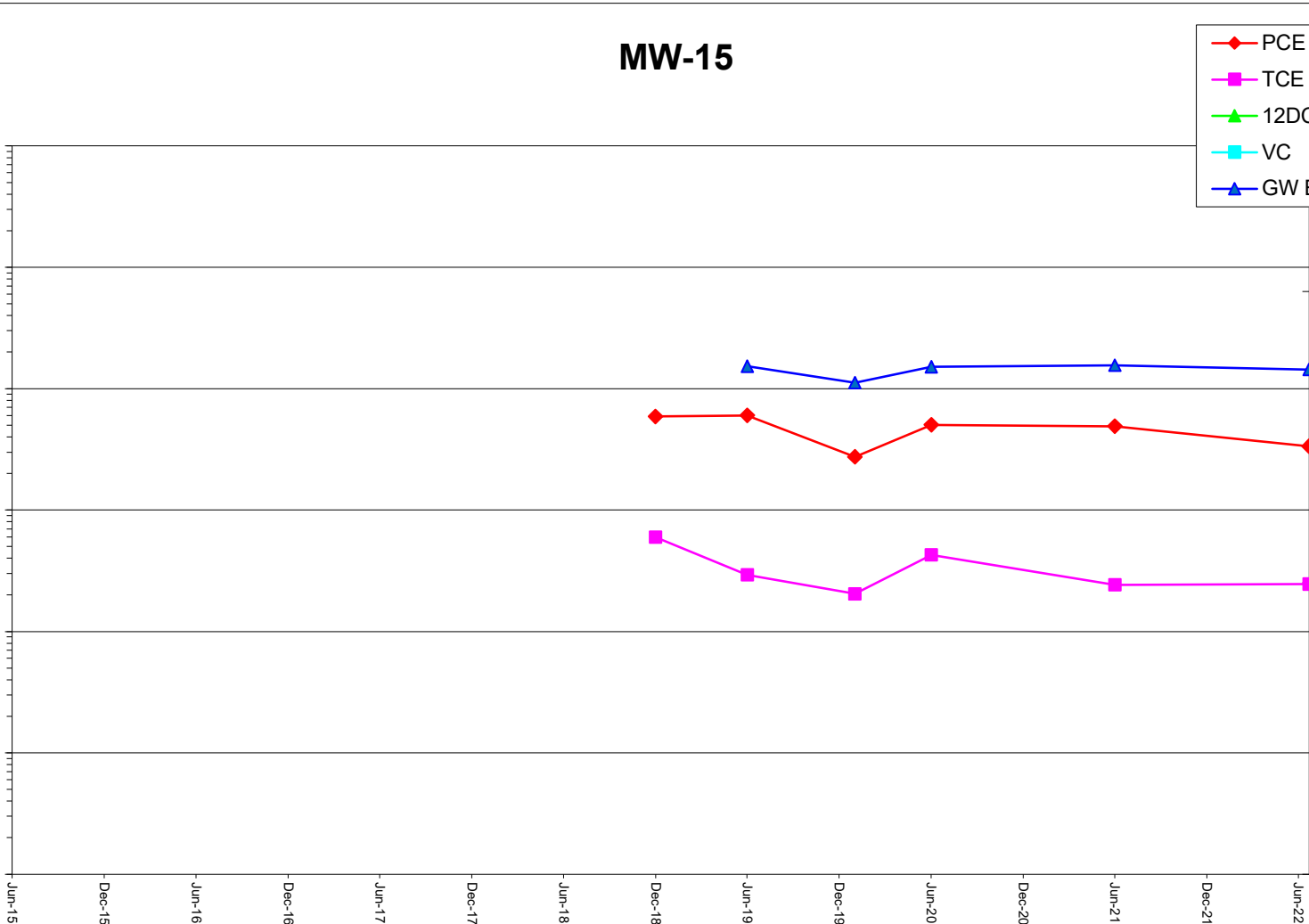
Concentration (ppb)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

Groundwater Elevation (feet,MSL)

185
175
165

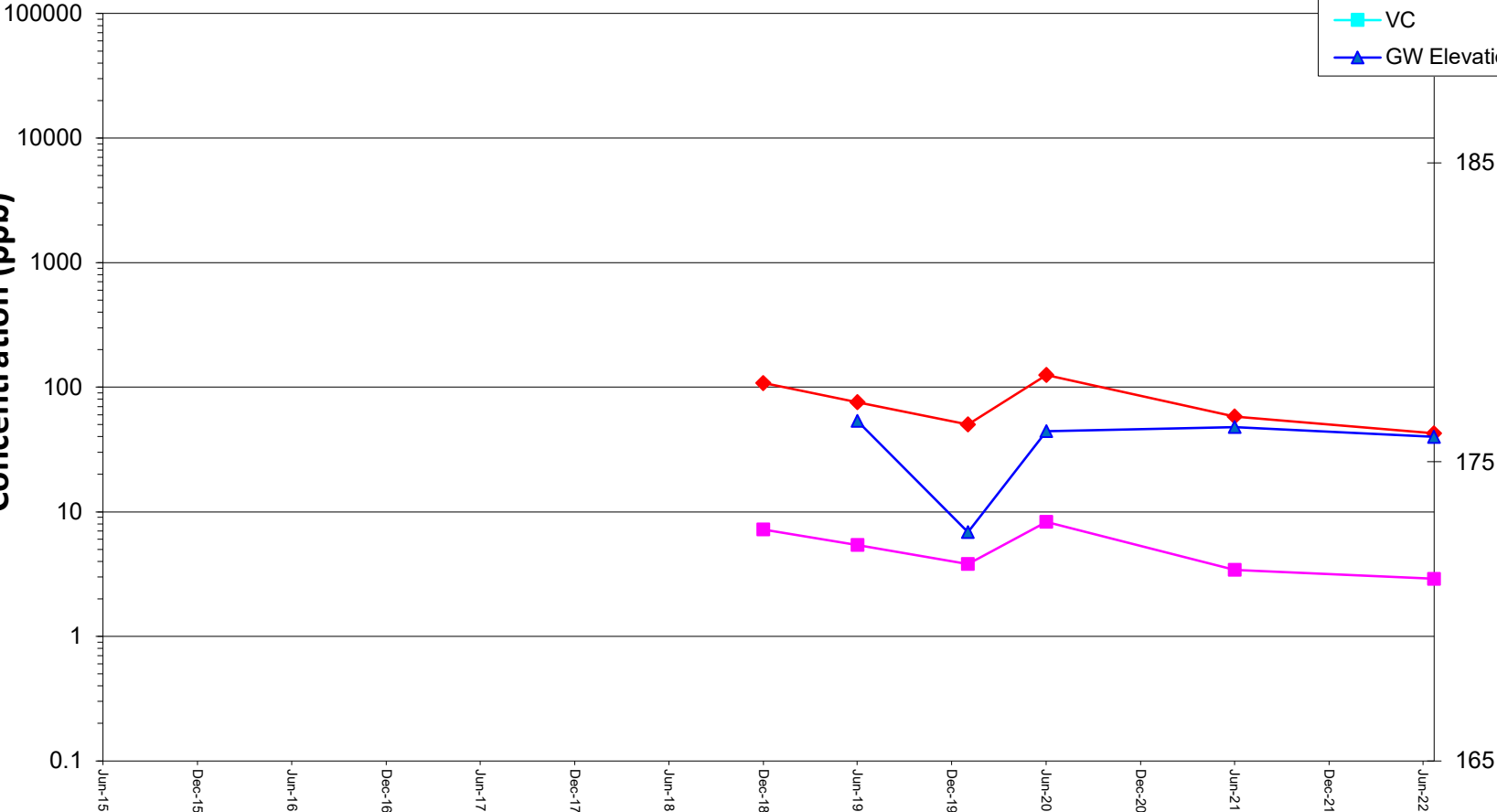


MW-16

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

Concentration (ppb)

Groundwater Elevation (feet,MSL)



MW-18

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

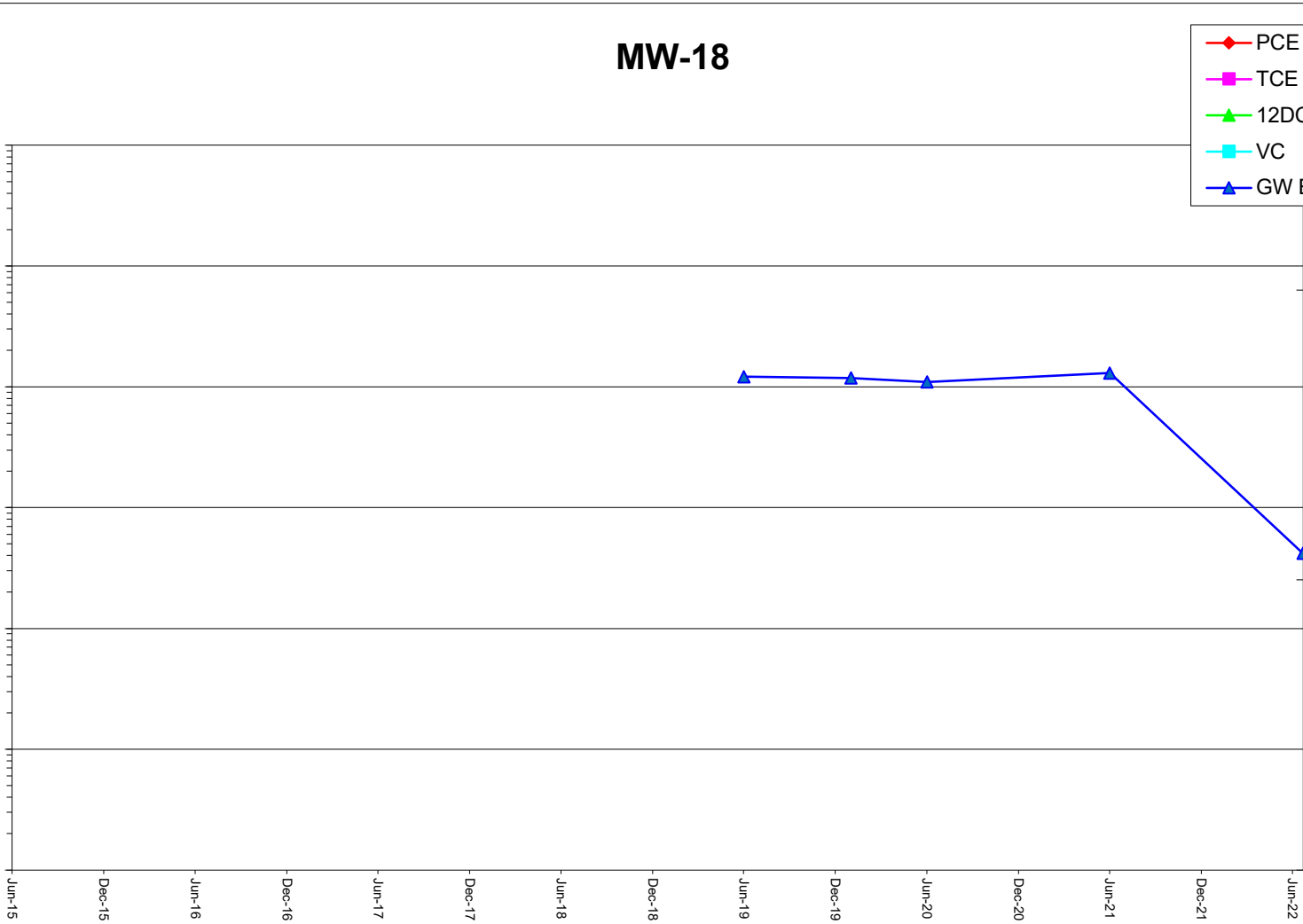
Concentration (ppb)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

Groundwater Elevation (feet, MSL)

185
175
165



MW-17

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

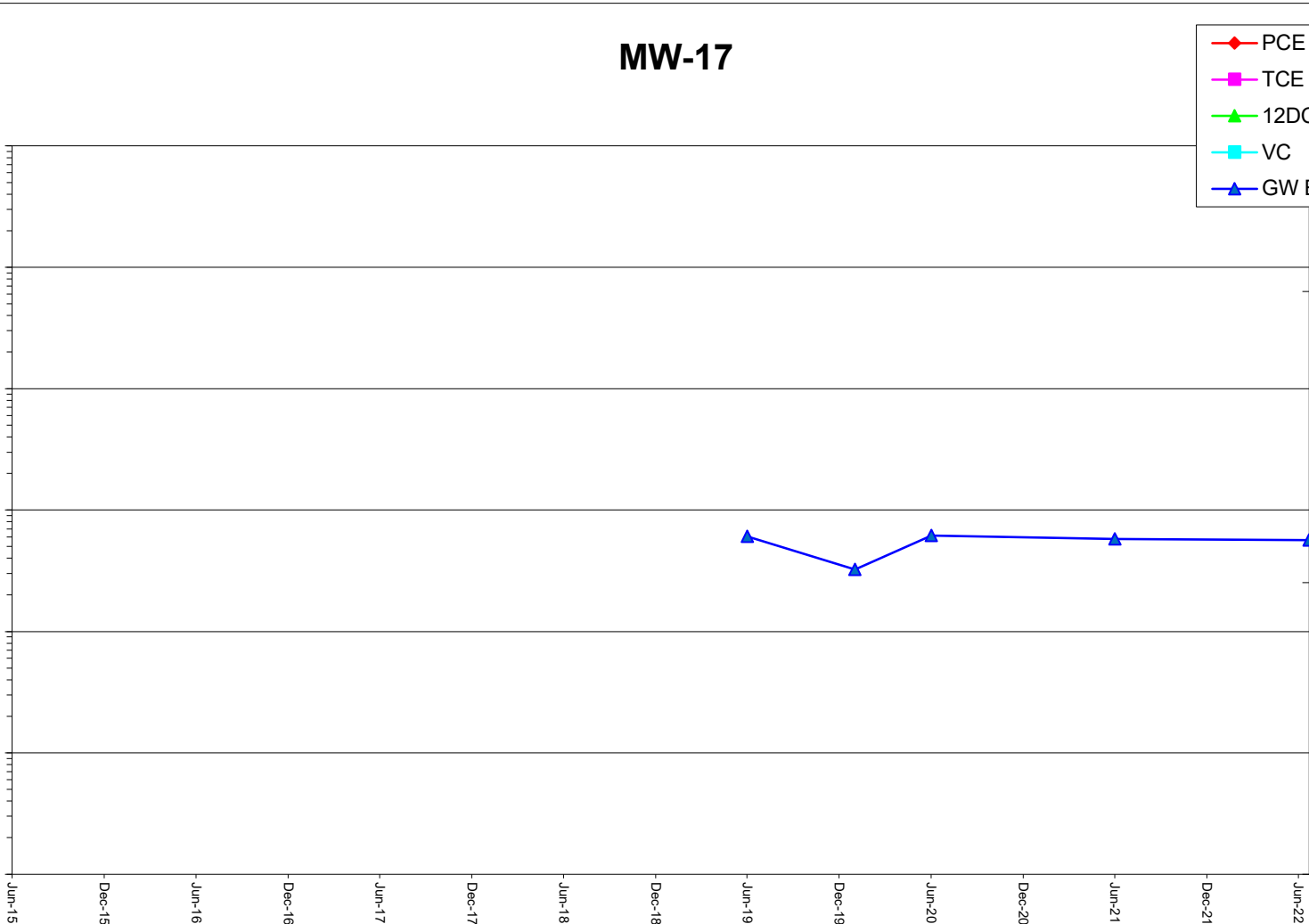
Concentration (ppb)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

Groundwater Elevation (feet,MSL)

185
175
165



MW-19

- PCE
- TCE
- 12DCE
- VC
- GW Elevation

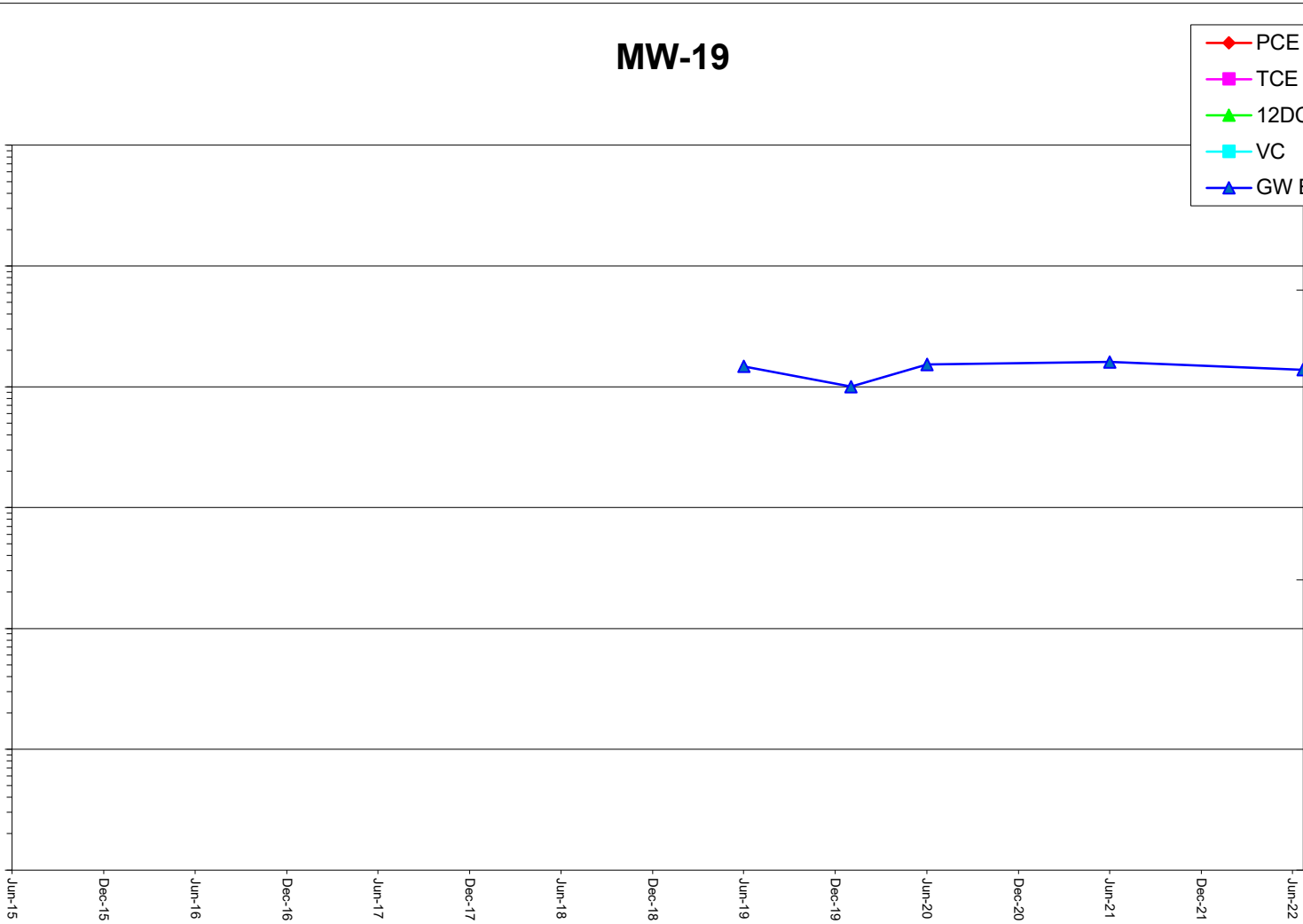
Concentration (ppb)

100000
10000
1000
100
10
1
0.1

Jun-15 Dec-15 Jun-16 Dec-16 Jun-17 Dec-17 Jun-18 Dec-18 Jun-19 Dec-19 Jun-20 Dec-20 Jun-21 Dec-21 Jun-22

Groundwater Elevation (feet,MSL)

185
175
165



APPENDIX B
LABORATORY REPORTS

05 July 2022

Josh Cinnamon
ECS-Chantilly
14026 Thunderbolt Place, Suite 100
Chantilly, VA 20151
RE: FAIRLINGTON CLEANERS

Enclosed are the results of analyses for samples received by the laboratory on 06/27/22 14:50.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Will Brewington
President

Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2B		2062710-01	Nonpotable Water	06/23/22 15:40	06/27/22 14:50
MW-15		2062710-02	Nonpotable Water	06/24/22 12:20	06/27/22 14:50
MW-5B		2062710-03	Nonpotable Water	06/23/22 14:12	06/27/22 14:50
MW-17		2062710-04	Nonpotable Water	06/24/22 08:47	06/27/22 14:50
MW-14		2062710-05	Nonpotable Water	06/24/22 14:55	06/27/22 14:50
MW-13		2062710-06	Nonpotable Water	06/24/22 14:40	06/27/22 14:50
MW-18		2062710-07	Nonpotable Water	06/24/22 10:30	06/27/22 14:50
MW-16		2062710-08	Nonpotable Water	06/24/22 11:08	06/27/22 14:50
MW-19		2062710-09	Nonpotable Water	06/24/22 12:20	06/27/22 14:50



Will Brewington, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-2B

2062710-01 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 15:23	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/28/22	06/28/22 15:23	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Benzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 15:23	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/28/22	06/28/22 15:23	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 15:23	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 15:23	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 15:23	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL

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Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-2B

2062710-01 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 15:23	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 15:23	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 15:23	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/28/22	06/28/22 15:23	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Styrene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Toluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL

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Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-2B

2062710-01 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 15:23	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %	06/28/22		06/28/22 15:23		
Surrogate: Toluene-d8		75-120		103 %	06/28/22		06/28/22 15:23		
Surrogate: 4-Bromofluorobenzene		75-120		96 %	06/28/22		06/28/22 15:23		



Will Brewington, President

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All analyses performed at Maryland Spectral Services included in the report are TNI certified except as indicated at the end of the report

Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-15

2062710-02 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	50.0	50.0	5	06/28/22	06/28/22 15:47	LL
tert-Amyl alcohol (TAA)	ND		ug/L	100	100	5	06/28/22	06/28/22 15:47	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Benzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Bromobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Bromochloromethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Bromodichloromethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Bromoform	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Bromomethane	ND		ug/L	25.0	25.0	5	06/28/22	06/28/22 15:47	LL
tert-Butanol (TBA)	ND		ug/L	75.0	75.0	5	06/28/22	06/28/22 15:47	LL
2-Butanone (MEK)	ND		ug/L	50.0	50.0	5	06/28/22	06/28/22 15:47	LL
n-Butylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
sec-Butylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
tert-Butylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Carbon disulfide	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Carbon tetrachloride	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Chlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Chloroethane	ND		ug/L	25.0	25.0	5	06/28/22	06/28/22 15:47	LL
Chloroform	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Chloromethane	ND		ug/L	25.0	25.0	5	06/28/22	06/28/22 15:47	LL
2-Chlorotoluene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
4-Chlorotoluene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Dibromochloromethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2-Dibromoethane (EDB)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Dibromomethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2-Dichlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,3-Dichlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,4-Dichlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Dichlorodifluoromethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1-Dichloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2-Dichloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1-Dichloroethene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-15

2062710-02 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	17.7		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
trans-1,2-Dichloroethene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Dichlorofluoromethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2-Dichloropropane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,3-Dichloropropane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
2,2-Dichloropropane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1-Dichloropropene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
cis-1,3-Dichloropropene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
trans-1,3-Dichloropropene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Diisopropyl ether (DIPE)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Ethylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Hexachlorobutadiene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
2-Hexanone	ND		ug/L	50.0	50.0	5	06/28/22	06/28/22 15:47	LL
Isopropylbenzene (Cumene)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
4-Isopropyltoluene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Methyl tert-butyl ether (MTBE)	5.2	J	ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
4-Methyl-2-pentanone	ND		ug/L	50.0	50.0	5	06/28/22	06/28/22 15:47	LL
Methylene chloride	ND		ug/L	50.0	50.0	5	06/28/22	06/28/22 15:47	LL
Naphthalene	ND		ug/L	10.0	10.0	5	06/28/22	06/28/22 15:47	LL
n-Propylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Styrene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Tetrachloroethene	334		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Toluene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2,3-Trichlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2,4-Trichlorobenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1,1-Trichloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,1,2-Trichloroethane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Trichloroethene	24.5		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,2,3-Trichloropropane	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-15

2062710-02 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
1,3,5-Trimethylbenzene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
Vinyl chloride	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
o-Xylene	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
m- & p-Xylenes	ND		ug/L	10.0	5.0	5	06/28/22	06/28/22 15:47	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	110 %	06/28/22		06/28/22 15:47		
<i>Surrogate: Toluene-d8</i>			75-120	103 %	06/28/22		06/28/22 15:47		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	95 %	06/28/22		06/28/22 15:47		



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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-5B

2062710-03 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	20.4		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:12	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/28/22	06/28/22 16:12	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Benzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:12	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/28/22	06/28/22 16:12	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:12	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:12	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:12	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-5B

2062710-03 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:12	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:12	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:12	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/28/22	06/28/22 16:12	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Styrene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Toluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-5B

2062710-03 (Nonpotable Water)
Sample Date: 06/23/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:12	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %	06/28/22		06/28/22 16:12		
Surrogate: Toluene-d8		75-120		103 %	06/28/22		06/28/22 16:12		
Surrogate: 4-Bromofluorobenzene		75-120		94 %	06/28/22		06/28/22 16:12		



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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-17

2062710-04 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:36	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/28/22	06/28/22 16:36	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Benzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:36	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/28/22	06/28/22 16:36	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:36	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:36	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 16:36	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-17

2062710-04 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:36	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:36	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 16:36	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/28/22	06/28/22 16:36	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Styrene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Toluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-17

2062710-04 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 16:36	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %	06/28/22		06/28/22 16:36		
Surrogate: Toluene-d8		75-120		103 %	06/28/22		06/28/22 16:36		
Surrogate: 4-Bromofluorobenzene		75-120		94 %	06/28/22		06/28/22 16:36		



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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-14

2062710-05 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:01	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/28/22	06/28/22 17:01	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Benzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:01	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/28/22	06/28/22 17:01	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:01	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:01	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:01	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-14

2062710-05 (Nonpotable Water)

Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:01	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:01	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:01	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/28/22	06/28/22 17:01	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Styrene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Toluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-14

2062710-05 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:01	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %	06/28/22		06/28/22 17:01		
Surrogate: Toluene-d8		75-120		103 %	06/28/22		06/28/22 17:01		
Surrogate: 4-Bromofluorobenzene		75-120		96 %	06/28/22		06/28/22 17:01		



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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-13

2062710-06 (Nonpotable Water)

Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:25	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/28/22	06/28/22 17:25	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Benzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:25	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/28/22	06/28/22 17:25	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:25	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:25	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/28/22	06/28/22 17:25	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-13

2062710-06 (Nonpotable Water)

Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:25	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:25	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/28/22	06/28/22 17:25	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/28/22	06/28/22 17:25	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Styrene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Tetrachloroethene	10.6		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Toluene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-13

2062710-06 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/28/22	06/28/22 17:25	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %	06/28/22		06/28/22 17:25		
Surrogate: Toluene-d8		75-120		102 %	06/28/22		06/28/22 17:25		
Surrogate: 4-Bromofluorobenzene		75-120		95 %	06/28/22		06/28/22 17:25		

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-18

2062710-07 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:09	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/29/22	06/29/22 16:09	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Benzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:09	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/29/22	06/29/22 16:09	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:09	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:09	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:09	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-18

2062710-07 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:09	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:09	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:09	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/29/22	06/29/22 16:09	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Styrene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Toluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-18

2062710-07 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:09	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %	06/29/22		06/29/22 16:09		
Surrogate: Toluene-d8		75-120		103 %	06/29/22		06/29/22 16:09		
Surrogate: 4-Bromofluorobenzene		75-120		94 %	06/29/22		06/29/22 16:09		



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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-16

2062710-08 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:33	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/29/22	06/29/22 16:33	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Benzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:33	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/29/22	06/29/22 16:33	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:33	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:33	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:33	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-16

2062710-08 (Nonpotable Water)

Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	4.0		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:33	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:33	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:33	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/29/22	06/29/22 16:33	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Styrene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Tetrachloroethene	42.6		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Toluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Trichloroethene	2.9		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL

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Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-16

2062710-08 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:33	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		111 %	06/29/22		06/29/22 16:33		
Surrogate: Toluene-d8		75-120		102 %	06/29/22		06/29/22 16:33		
Surrogate: 4-Bromofluorobenzene		75-120		95 %	06/29/22		06/29/22 16:33		



Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-19

2062710-09 (Nonpotable Water)

Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:57	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/29/22	06/29/22 16:57	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Benzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:57	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/29/22	06/29/22 16:57	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:57	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:57	LL
Chloroform	2.3		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/29/22	06/29/22 16:57	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL

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Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-19

2062710-09 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:57	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:57	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/29/22	06/29/22 16:57	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/29/22	06/29/22 16:57	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Styrene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Tetrachloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Toluene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Trichloroethene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL

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Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/05/22 17:48

MW-19

2062710-09 (Nonpotable Water)
Sample Date: 06/24/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/29/22	06/29/22 16:57	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		116 %			06/29/22	06/29/22 16:57	
Surrogate: Toluene-d8		75-120		103 %			06/29/22	06/29/22 16:57	
Surrogate: 4-Bromofluorobenzene		75-120		94 %			06/29/22	06/29/22 16:57	



Will Brewington, President

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Analytical Results

Project: FAIRLINGTON CLEANERS

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Notes and Definitions

- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.



Will Brewington, President

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06 July 2022

Josh Cinnamon
ECS-Chantilly
14026 Thunderbolt Place, Suite 100
Chantilly, VA 20151
RE: Fairlington

Enclosed are the results of analyses for samples received by the laboratory on 06/28/22 15:40.

Maryland Spectral Services, Inc. is a TNI 2009 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2009 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2009 Standard accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Will Brewington
President

Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1		2062811-01	Nonpotable Water	06/27/22 14:01	06/28/22 15:40
MW-6		2062811-02	Nonpotable Water	06/27/22 09:50	06/28/22 15:40
MW-8		2062811-03	Nonpotable Water	06/27/22 09:10	06/28/22 15:40
MW-7		2062811-04	Nonpotable Water	06/27/22 10:41	06/28/22 15:40



Will Brewington, President

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-1

2062811-01 (Nonpotable Water)

Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	06/30/22	06/30/22 21:52	LL
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	06/30/22	06/30/22 21:52	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Benzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Bromobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Bromochloromethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Bromodichloromethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Bromoform	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Bromomethane	ND		ug/L	5.0	5.0	1	06/30/22	06/30/22 21:52	LL
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	06/30/22	06/30/22 21:52	LL
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	06/30/22	06/30/22 21:52	LL
n-Butylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Carbon disulfide	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Chlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Chloroethane	ND		ug/L	5.0	5.0	1	06/30/22	06/30/22 21:52	LL
Chloroform	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Chloromethane	ND		ug/L	5.0	5.0	1	06/30/22	06/30/22 21:52	LL
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Dibromochloromethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Dibromomethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL

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Will Brewington, President

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-1

2062811-01 (Nonpotable Water)

Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	45.4		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Ethylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
2-Hexanone	ND		ug/L	10.0	10.0	1	06/30/22	06/30/22 21:52	LL
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	06/30/22	06/30/22 21:52	LL
Methylene chloride	ND		ug/L	10.0	10.0	1	06/30/22	06/30/22 21:52	LL
Naphthalene	ND		ug/L	2.0	2.0	1	06/30/22	06/30/22 21:52	LL
n-Propylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Styrene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Tetrachloroethene	94.1		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Toluene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Trichloroethene	4.6		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-1

2062811-01 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
Vinyl chloride	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
o-Xylene	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	06/30/22	06/30/22 21:52	LL
<i>Surrogate: 1,2-Dichloroethane-d4</i>			<i>70-130</i>	<i>112 %</i>	<i>06/30/22</i>		<i>06/30/22 21:52</i>		
<i>Surrogate: Toluene-d8</i>			<i>75-120</i>	<i>105 %</i>	<i>06/30/22</i>		<i>06/30/22 21:52</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>75-120</i>	<i>91 %</i>	<i>06/30/22</i>		<i>06/30/22 21:52</i>		



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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-6

2062811-02RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	40.0	40.0	4	07/01/22	07/01/22 19:57	LL
tert-Amyl alcohol (TAA)	ND		ug/L	80.0	80.0	4	07/01/22	07/01/22 19:57	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Benzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Bromobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Bromochloromethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Bromodichloromethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Bromoform	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Bromomethane	ND		ug/L	20.0	20.0	4	07/01/22	07/01/22 19:57	LL
tert-Butanol (TBA)	ND		ug/L	60.0	60.0	4	07/01/22	07/01/22 19:57	LL
2-Butanone (MEK)	ND		ug/L	40.0	40.0	4	07/01/22	07/01/22 19:57	LL
n-Butylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
sec-Butylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
tert-Butylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Carbon disulfide	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Carbon tetrachloride	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Chlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Chloroethane	ND		ug/L	20.0	20.0	4	07/01/22	07/01/22 19:57	LL
Chloroform	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Chloromethane	ND		ug/L	20.0	20.0	4	07/01/22	07/01/22 19:57	LL
2-Chlorotoluene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
4-Chlorotoluene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Dibromochloromethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2-Dibromoethane (EDB)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Dibromomethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2-Dichlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,3-Dichlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,4-Dichlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Dichlorodifluoromethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1-Dichloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2-Dichloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1-Dichloroethene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-6

2062811-02RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	99.8		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
trans-1,2-Dichloroethene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Dichlorofluoromethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2-Dichloropropane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,3-Dichloropropane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
2,2-Dichloropropane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1-Dichloropropene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
cis-1,3-Dichloropropene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
trans-1,3-Dichloropropene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Diisopropyl ether (DIPE)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Ethylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Hexachlorobutadiene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
2-Hexanone	ND		ug/L	40.0	40.0	4	07/01/22	07/01/22 19:57	LL
Isopropylbenzene (Cumene)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
4-Isopropyltoluene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
4-Methyl-2-pentanone	ND		ug/L	40.0	40.0	4	07/01/22	07/01/22 19:57	LL
Methylene chloride	ND		ug/L	40.0	40.0	4	07/01/22	07/01/22 19:57	LL
Naphthalene	ND		ug/L	8.0	8.0	4	07/01/22	07/01/22 19:57	LL
n-Propylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Styrene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1,1,2,2-Tetrachloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Tetrachloroethene	417		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Toluene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2,3-Trichlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2,4-Trichlorobenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1,1-Trichloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,1,2-Trichloroethane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Trichloroethene	14.0		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,2,3-Trichloropropane	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-6

2062811-02RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
1,3,5-Trimethylbenzene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Vinyl chloride	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
o-Xylene	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
m- & p-Xylenes	ND		ug/L	8.0	4.0	4	07/01/22	07/01/22 19:57	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		113 %	07/01/22		07/01/22 19:57		
Surrogate: Toluene-d8		75-120		106 %	07/01/22		07/01/22 19:57		
Surrogate: 4-Bromofluorobenzene		75-120		93 %	07/01/22		07/01/22 19:57		



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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-8

2062811-03RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	50.0	50.0	5	07/01/22	07/01/22 20:21	LL
tert-Amyl alcohol (TAA)	ND		ug/L	100	100	5	07/01/22	07/01/22 20:21	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Benzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Bromobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Bromochloromethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Bromodichloromethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Bromoform	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Bromomethane	ND		ug/L	25.0	25.0	5	07/01/22	07/01/22 20:21	LL
tert-Butanol (TBA)	ND		ug/L	75.0	75.0	5	07/01/22	07/01/22 20:21	LL
2-Butanone (MEK)	ND		ug/L	50.0	50.0	5	07/01/22	07/01/22 20:21	LL
n-Butylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
sec-Butylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
tert-Butylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Carbon disulfide	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Carbon tetrachloride	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Chlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Chloroethane	ND		ug/L	25.0	25.0	5	07/01/22	07/01/22 20:21	LL
Chloroform	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Chloromethane	ND		ug/L	25.0	25.0	5	07/01/22	07/01/22 20:21	LL
2-Chlorotoluene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
4-Chlorotoluene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Dibromochloromethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2-Dibromoethane (EDB)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Dibromomethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2-Dichlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,3-Dichlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,4-Dichlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Dichlorodifluoromethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1-Dichloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2-Dichloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1-Dichloroethene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-8

2062811-03RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	23.9		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
trans-1,2-Dichloroethene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Dichlorofluoromethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2-Dichloropropane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,3-Dichloropropane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
2,2-Dichloropropane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1-Dichloropropene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
cis-1,3-Dichloropropene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
trans-1,3-Dichloropropene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Diisopropyl ether (DIPE)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Ethylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Hexachlorobutadiene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
2-Hexanone	ND		ug/L	50.0	50.0	5	07/01/22	07/01/22 20:21	LL
Isopropylbenzene (Cumene)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
4-Isopropyltoluene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
4-Methyl-2-pentanone	ND		ug/L	50.0	50.0	5	07/01/22	07/01/22 20:21	LL
Methylene chloride	ND		ug/L	50.0	50.0	5	07/01/22	07/01/22 20:21	LL
Naphthalene	ND		ug/L	10.0	10.0	5	07/01/22	07/01/22 20:21	LL
n-Propylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Styrene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Tetrachloroethene	438		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Toluene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2,3-Trichlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2,4-Trichlorobenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1,1-Trichloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,1,2-Trichloroethane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Trichloroethene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,2,3-Trichloropropane	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-8

2062811-03RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
1,3,5-Trimethylbenzene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Vinyl chloride	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
o-Xylene	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
m- & p-Xylenes	ND		ug/L	10.0	5.0	5	07/01/22	07/01/22 20:21	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		112 %	07/01/22		07/01/22 20:21		
Surrogate: Toluene-d8		75-120		105 %	07/01/22		07/01/22 20:21		
Surrogate: 4-Bromofluorobenzene		75-120		93 %	07/01/22		07/01/22 20:21		



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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-7

2062811-04RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	20.0	20.0	2	07/05/22	07/05/22 17:06	LL
tert-Amyl alcohol (TAA)	ND		ug/L	40.0	40.0	2	07/05/22	07/05/22 17:06	LL
tert-Amyl methyl ether (TAME)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Benzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Bromobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Bromochloromethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Bromodichloromethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Bromoform	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Bromomethane	ND		ug/L	10.0	10.0	2	07/05/22	07/05/22 17:06	LL
tert-Butanol (TBA)	ND		ug/L	30.0	30.0	2	07/05/22	07/05/22 17:06	LL
2-Butanone (MEK)	ND		ug/L	20.0	20.0	2	07/05/22	07/05/22 17:06	LL
n-Butylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
sec-Butylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
tert-Butylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Carbon disulfide	2.0	J	ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Carbon tetrachloride	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Chlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Chloroethane	ND		ug/L	10.0	10.0	2	07/05/22	07/05/22 17:06	LL
Chloroform	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Chloromethane	ND		ug/L	10.0	10.0	2	07/05/22	07/05/22 17:06	LL
2-Chlorotoluene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
4-Chlorotoluene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Dibromochloromethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2-Dibromo-3-chloropropane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2-Dibromoethane (EDB)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Dibromomethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2-Dichlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,3-Dichlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,4-Dichlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Dichlorodifluoromethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1-Dichloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2-Dichloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1-Dichloroethene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-7

2062811-04RE1 (Nonpotable Water)

Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	59.6		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
trans-1,2-Dichloroethene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Dichlorofluoromethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2-Dichloropropane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,3-Dichloropropane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
2,2-Dichloropropane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1-Dichloropropene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
cis-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
trans-1,3-Dichloropropene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Diisopropyl ether (DIPE)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Ethyl tert-butyl ether (ETBE)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Ethylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Hexachlorobutadiene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
2-Hexanone	ND		ug/L	20.0	20.0	2	07/05/22	07/05/22 17:06	LL
Isopropylbenzene (Cumene)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
4-Isopropyltoluene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Methyl tert-butyl ether (MTBE)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
4-Methyl-2-pentanone	ND		ug/L	20.0	20.0	2	07/05/22	07/05/22 17:06	LL
Methylene chloride	ND		ug/L	20.0	20.0	2	07/05/22	07/05/22 17:06	LL
Naphthalene	ND		ug/L	4.0	4.0	2	07/05/22	07/05/22 17:06	LL
n-Propylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Styrene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1,1,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1,2,2-Tetrachloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Tetrachloroethene	198		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Toluene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2,3-Trichlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2,4-Trichlorobenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1,1-Trichloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,1,2-Trichloroethane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Trichloroethene	11.1		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Trichlorofluoromethane (Freon 11)	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,2,3-Trichloropropane	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Reported:
07/06/22 14:10

MW-7

2062811-04RE1 (Nonpotable Water)
Sample Date: 06/27/22

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
1,3,5-Trimethylbenzene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Vinyl chloride	6.0		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
o-Xylene	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
m- & p-Xylenes	ND		ug/L	4.0	2.0	2	07/05/22	07/05/22 17:06	LL
Surrogate: 1,2-Dichloroethane-d4		70-130		110 %	07/05/22		07/05/22 17:06		
Surrogate: Toluene-d8		75-120		105 %	07/05/22		07/05/22 17:06		
Surrogate: 4-Bromofluorobenzene		75-120		93 %	07/05/22		07/05/22 17:06		

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Analytical Results

Project: Fairlington

Project Number: 47:1507-D
Project Manager: Josh Cinnamon

Notes and Definitions

- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.



Will Brewington, President

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Company Name: ECS - Mid - Atlantic		Project Manager: Josh Cinnamon		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: Fairlington		Project ID: 47: 1507-D												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 labman@mdspectral.com		
Sampler(s): Morgan walter		P.O. Number:												Matrix Codes: NW (nonpotable water) PW (potable water)		
Field Sample ID	Date	Time	Water											Soil	Other	No. of Containers
MW-6	6/27/22	9:50	X			X						2062811-02				
MW-6	6/27/22	9:50	X			X						↓				
MW-6	6/27/22	9:50	X			X						↓				
MW-8	6/27/22	9:10	X			X						-03				
MW-8	6/27/22	9:10	X			X						↓				
MW-8	6/27/22	9:10	X			X						↓				
MW-7	6/27/22	10:41	X			X						-04				
MW-7	6/27/22	10:41	X			X						↓				
MW-7	6/27/22	10:41	X			X						↓				
Relinquished by: (Signature) <i>Morgan Walter</i>		Date/Time 6/27/22		Received by: (Signature)			Relinquished by: (Signature)			Date/Time		Received by: (Signature)				
(Printed) Morgan walter		15:43		(Printed)			(Printed)					(Printed)				
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)			Turn Around Time:			Lab Use:						
(Printed)		6-28-22		<i>Lori Foster</i>			<input type="checkbox"/> Normal (7 day) <input checked="" type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____			Temp: _____ °C 4.2 <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate						
Delivery Method:		Special Instructions/QC Requirements & Comments:										Sample Disposal:				
<input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____												<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days				