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Subject: Crown Dykman Remedial Construction
Site No. 130054
Groundwater Data Summary Letter Report

Ms. Salotto:

The following presents a summary of data obtained from past and recent groundwater monitoring events conducted at the former Crown Dykman Site (#130054) (**Figure 1**) in Glen Cove, New York .

General Background

The former Crown Dykman Site, located at 66 Herb Hill Road, in Glen Cove, New York, was historically used as a commercial property, laundry and dry-cleaning facility, and automotive repair shop. The primary groundwater contaminants of concern (COCs) are the chlorinated volatile organic compounds (CVOCs) tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2 dichloroethene (cis-1,2-DCE), vinyl chloride, as well as petroleum-related compounds benzene, toluene and xylene. Perfluorinated alkyl substances (PFAS) have also been encountered in site groundwater (Arcadis 2019). A full discussion of the nature and extent of contaminants at the site is provided in the Remedial Investigation Report (Malcolm Pirnie, 2009), Supplemental Pre-Design Report (Arcadis, 2018), 2010 Record of Decision (ROD) (NYSDEC, 2010) and 2020 Amended ROD (NYSDEC, 2020). Both the 2010 ROD and the 2020 Amended ROD addressed remediation of onsite groundwater by including remedial elements that:

- Required removal and disposal of soil contaminated with CVOCs from the identified Source Area, and
- Treated onsite groundwater through In-Situ Chemical Oxidation (ISCO).

ISCO Pilot Studies

Three ISCO pilot injections were completed on the site to collectively:

- Assess the potential effectiveness of the elements selected in the preferred remedy to address onsite CVOC groundwater contamination, and
- Evaluate appropriate introduction methods for the ISCO reagent.

The first injection, completed in 2012, was limited in scope and utilized a proprietary direct push-style injection method. Control of the subsurface distribution of the reagent was not effective using this method, and this application approach was not recommended for implementation as a full-scale remedy. Subsequent injection activities, completed in 2013 and 2015, used purpose-built injection wells similar to those installed on site for the

full-scale ISCO injection during site remedial activities. These pilot injections provided data to inform the remedial design process and to establish select remedial design parameters. (Arcadis, 2014, Arcadis, 2018).

Reagent Selection

Sodium permanganate was selected as the ISCO reagent during the remedial design pilot studies and for the remedial activities, as it is known to be effective in treating CVOCs. Compared to other ISCO reagents, permanganate has a longer lifetime and does not create objectionable reaction intermediates or by-products. The permanganate oxidation pathway for alkenes, such as CVOCs, begins with an electrophilic attack on the carbon-carbon double bond, producing a cyclic hypomanganate diester as a reaction intermediate. There are two potential oxidation pathways for the diester intermediate: via either hydrolysis to glycol aldehyde or bond cleavage to formaldehyde. Both compounds continue to degrade to carboxylic acids. Hazardous intermediates or final products are not generated. However, immediately following the reagent application, due to the change in groundwater redox conditions, a transient increase in the concentration of redox-sensitive metals (i.e. chromium, arsenic etc.) is typical, with a subsequent decrease to the background level once the reagent is utilized, and the background redox conditions reestablish.

Remedial Activities

The site underwent active remediation between August 2021 and June 2022, which included in sequence:

- Building demolition and debris removal,
- Excavation of CVOC contaminated soil from the Source Area,
- Installation of injection infrastructure, and
- Full-scale application of an in-situ chemical oxidant, sodium permanganate.

Groundwater was monitored prior to and following the full-scale ISCO application. The results were evaluated to track changes in groundwater quality during and after full-scale remedy implementation.

Injection and Performance Monitoring During the Remedial Activities

A baseline sampling event was completed prior to implementation of the full-scale ISCO injections. The objective of this sampling event was to characterize the groundwater at the site and provide a point of comparison for post-injection performance monitoring. The baseline sampling included collection of groundwater from 22 locations (**Figure 2)** and the analysis for Volatile Organic Compounds (VOCs), selected metals (total sodium, iron, and manganese, dissolved iron and manganese; both total and dissolved, based on field-filtered samples), and per- and polyfluoroalkyl substances (PFAS). Field parameters, including pH, conductivity, dissolved oxygen, ORP, and permanganate concentration, were also collected during the baseline sampling event. Samples were submitted to ChemTech laboratories in Mountainside, NJ. Samples were collected in accordance with the USEPA 2017 low flow guidance (USEPA, 2017). Quality Assurance/Quality Control samples were generally collected at a frequency of one per 20 samples. Due to collection of samples to detect PFAS, no Teflon-containing materials (e.g. Teflon tape) were used during sampling activities. A selected summary of detected analytes is provided on **Table 3.** Full analytical reports are provided as **Appendix B**. Field sampling logs are provided in **Appendix C**.

The first round of full-scale injection activities was completed between March 14 and 23, 2022. A total of 13,350 gallons of a 40 g/L solution of sodium permanganate was introduced into 12 injection wells (IS-1 through IS-12), and an injection header (**Figure 2**). Injection and Performance Monitoring logs are provided in **Appendix A**. With the exception of IS-1, the injection wells were able to deliver the design volume amount of oxidant to the

formation. Injection of reagent was suspended in IS-1 after daylighting of the reagent was observed during the initial injection attempt (**Table 1**). The remaining reagent scheduled for IS-1 was subsequently injected in wells IS-11 and IS-12. A performance monitoring field parameter summary is presented in **Table 2**.

Post-injection performance analytical data were collected after approximately three and six-months following the initial injection. Post-injection performance monitoring involved analytical sampling in a reduced distribution of 15 monitoring wells (MW-1, MW-1D, MW-1DD, MW-21D, MW-21S, MW-22RD, MW-22-RS, MW-23D, MW-23S, MW-25RD, MW-25RS, MW-30D, MW-30S, MW-7D, and MW-7S). Post-injection groundwater analysis included VOCs, semi-volatile organic compounds (SVOCs), and metals. PFAS analysis was not included in post-injection monitoring. The first round of post-injection groundwater monitoring was completed between June 7 and 10, 2022, approximately 2.5 months after the completion of injection activities. A second round of post-injection sampling was completed between September 21 and 26, 2022, approximately 6 months after the completion of injection activities. Sampling methods were consistent with those completed during the baseline groundwater sampling event. Field parameters, including pH, conductivity, dissolved oxygen, ORP, and permanganate concentration, were also collected during the post-injection sampling events. Samples were submitted to Con-Test Laboratory in East Longmeadow, MA. A selected summary of detected analytes is provided on **Table 3**. Full analytical reports are provided as **Appendix B**. Field sampling logs are provided in **Appendix C**.

Groundwater Monitoring Data and Results:

Table 2 summarizes the field parameters, including pH, conductivity, dissolved oxygen, ORP, and permanganate concentration, that were collected during the injection process at the observation monitoring well network. Visual observations for the presence of permanganate at these locations during injection monitoring is also summarized. A select subset of these parameters are graphically presented on **Figures 3A, 3B, 3C,** and **3D**, and discussed herein.

pH decreased slightly during the injection activities but had generally rebounded by the end of the injection monitoring period, with the exception of at MW-30D (**Figure 3A**). pH at this location had returned to within standard during the June 2022 sampling event.

Dissolved oxygen (DO) showed variable concentrations over the injection period at each well location. MW-1DD and MW-23S presented more consistent increases over time. (**Figure 3B**).

ORP was observed to gradually increase with higher spikes in readings at the MW-21 and MW-22 clusters during March 2022 (**Figure 3C**). The highest ORP reading was measured at MW-30D (632 mV). This corresponded to injections occurring at IS-4, IS-5, and IS-8 (**Figure 2**).

ORP values continue to be elevated after the 6-month post-injection monitoring event at locations MW-30D and the MW-25 cluster (**Table 3**). These wells also presented purple and brown discoloration during the September 2022 sampling event.

Conductivity was generally consistent through the injection activity (**Figure 3D**).

Permanganate was not visually observed in the monitoring wells during the initial injection monitoring event, except for in MW-30D. Permanganate was still visually present 6 months later at this location. Permanganate concentrations were also evaluated using a handheld spectrophotometer. As shown on **Figure 4**, the MW-21 cluster consistently had detectable permanganate using the spectrophotometer. Other locations where permanganate was detected included the MW-22 cluster, MW-30D, MW-23S, MW-1D, and MW-7D. These locations have shown generally decreasing concentrations of CVOCs following the injections.

The following CVOCs exceeded standards in groundwater in at least one location:

- 1,1-Dichloroethene (MW-7S),
- cis-1,2-DCE (All locations except MW-3, MW-4R, MW-5R),
- PCE (MW-1, MW-1DD, MW-30D, MW-25RD, MW-30S, MW-7D, MW-1D, MW-7S, MW-25RS, MW-21S, MW-23D, MW-23S),
- trans-1,2-DCE (MW-30D, MW-23S, MW-23D, MW-21D, MW-22RD, MW-22RS, MW-11),
- TCE (MW-21S, MW-1, MW-1DD, MW-7D, MW-25RS, MW-30D, MW-1D, MW-25RD, MW-7S, MW-30S, MW-23S, MW-23D), and
- Vinyl chloride (MW-21S, MW-7D, MW-30D, MW-1D, MW-25RD, MW-7S, MW-25RS, MW-1, MW-23S, MW-23D, MW-22RD, MW-11, MW-21D, MW-22RS, MW-8).

Groundwater trends for the period between 2012 and 2022 for PCE, TCE, Cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride are presented on **Figures 5A, 5B, 5C, 5D, 5E**. Trends for the newly installed MW-30 cluster are presented in **Figure 5F**. Generally, CVOC concentrations decline after each ISCO injection. Subsequently, rebound of CVOC concentrations was observed. Recent data following the March 2022 injection event indicates that CVOC concentrations in groundwater at most locations are continuing to respond to the ISCO application.

The following petroleum-related VOCs exceeded standards in groundwater in at least one location:

- Benzene (MW-11),
- Ethylbenzene (MW-8, MW-11),
- Isopropylbenzene (MW-8, MW-11),
- Methyl-tert-butylether (MW-8, MW-11), and
- Toluene (MW-8, MW-11).

Groundwater trends for benzene, ethylbenzene, toluene, and isopropylbenzene are presented on **Figures 6A, 6B, 6C, and 6D**. Trends for these compounds at MW-11 have remained stable over time, while concentrations at MW-8 have decreased. Downgradient to these wells, these petroleum-related compounds appear to degrade and are not detected at concentrations greater than standards in onsite, downgradient wells (**Figures 6A** through **6D**).

PFAS in groundwater has been evaluated twice at the site. Generally, concentrations have been stable, variable, or slightly decreased over time. These data are presented in **Table 4**.

Recommendations:

Based upon the data collected to date, Arcadis recommends that periodic monitoring of the onsite groundwater for contaminants of concern continue. Additionally, collected data obtained from future monitoring events should be compiled with that which has been summarized herein. Analyses of the groundwater contaminant concentration tends are recommended to inform future decisions regarding the effectiveness of the remedy and the need for future remedial actions, including the implementation of supplemental monitoring and ISCO events.

If you have any questions, please contact us.



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Enclosures:

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Table 1
Injection Location and Volume Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

Injection Location	3/14/2022 gallons	3/15/2022 gallons	3/16/2022 gallons	3/17/2022 gallons	3/18/2022 gallons	3/21/2022 gallons	3/22/2022 gallons	3/23/2022 gallons	3/24/2022 gallons	Sum gallons
West Riser	1000	1500	-	250	-	-	-	180	-	2930
East Riser	-	250	1500	1500	-	-	-	280	-	3530
IS1	-	-	-	-	-	-	-	100	-	100
IS2	-	-	-	-	-	-	-	560	-	560
IS3	-	-	-	-	-	-	-	560	-	560
IS4	-	-	-	-	-	-	560	-	-	560
IS5	-	-	-	-	-	-	560	-	-	560
IS6	-	-	-	-	-	560	-	-	-	560
IS7	-	-	-	560	-	-	-	-	-	560
IS8	-	-	-	-	-	-	560	-	-	560
IS9	-	-	-	-	-	560	-	-	-	560
IS10	-	-	-	-	-	560	-	-	-	560
IS11	-	-	-	-	750	-	-	-	-	750
IS12	-	-	-	250	750	-	-	-	-	1000
Sum	**1000**	**1750**	**1500**	**2560**	**1500**	**1680**	**1680**	**1680**	**0**	

Table 2
Injection Performance Monitoring
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

Location	Sample ID	Sample Date	pH SU	Conductivity mS/cm	Temp °C	DO mg/L	ORP mV	Permanganate Visually Present (Y/N) Visual Y/N	Manganese Concentration (mg/L) mg/L
MW1	MW1-03142022	3/14/2022	7.99	0.571	15.43	0	35	N	0
MW1D	MW1D-03142022	3/14/2022	7.69	0.637	11.87	2.16	49	N	0.003
MW1DD	MW1DD-03142022	3/14/2022	6.66	0.502	14.49	0.59	93	N	0
MW7(R)S	MW7(R)S-03142022	3/14/2022	7.81	0.527	11.73	0.13	117	N	0
MW7(R)D	MW7(R)D-03142022	3/14/2022	7.12	0.428	13.15	1.18	148	N	0.201
MW21S	MW21S-03142022	3/14/2022	5.17	0.444	10.61	0.19	62	N	0.557
MW21D	MW21D-03142022	3/14/2022	7.75	0.502	12.46	2.59	134	N	0.003
MW22S	MW22S-03142022	3/14/2022	7.91	0.521	11.46	1.61	-29	N	0.01
MW22D	MW22D-03142022	3/14/2022	5.09	0.688	13.23	4.96	17	N	0
MW23S	MW23S-03142022	3/14/2022	7.67	0.418	11.63	2.46	100	N	0
MW23D	MW23D-03142022	3/14/2022	7.68	0.747	14.06	1.45	79	N	0
MW25(R)S	MW25(R)S-03142022	3/14/2022	7.49	0.475	9.01	0	65	N	0
MW25(R)D	MW25(R)D-03142022	3/14/2022	5.8	0.542	13.18	0.37	-34	N	0
MW30D	MW30D-03142022	3/14/2022	7.86	0.691	13.6	0.37	-10	N	0
MW30S	MW30S-03142022	3/14/2022	6.14	0.925	9.5	0.19	145	N	0
MW1	MW1-03152022	3/15/2022	8	0.592	11.82	0	21	N	0
MW1D	MW1D-03152022	3/15/2022	7.67	0.621	11.6	1.92	57	N	0.002
MW1DD	MW1DD-03152022	3/15/2022	6.68	0.501	12.16	0.77	92	N	0
MW7(R)S	MW7(R)S-03152022	3/15/2022	7.72	0.526	11.81	0.71	102	N	0
MW7(R)D	MW7(R)D-03152022	3/15/2022	7.4	0.42	11.81	1.22	162	N	0.01
MW21S	MW21S-03152022	3/15/2022	5.31	0.41	10.81	0.55	68	N	0.282
MW21D	MW21D-03152022	3/15/2022	7.82	0.505	12.28	1.9	127	N	0.003
MW22S	MW22S-03152022	3/15/2022	7.81	0.539	12.06	0.81	-38	N	0.01
MW22D	MW22D-03152022	3/15/2022	5.15	0.638	11.98	1.16	51	N	0.001
MW23S	MW23S-03152022	3/15/2022	7.87	0.477	11.91	0.98	103	N	0.016
MW23D	MW23D-03152022	3/15/2022	7.61	0.709	12.08	1.39	94	N	0
MW25(R)S	MW25(R)S-03152022	3/15/2022	7.22	0.477	10.09	0.09	62	N	0
MW25(R)D	MW25(R)D-03152022	3/15/2022	6.16	0.561	12.91	0.86	-69	N	0
MW30D	MW30D-03152022	3/15/2022	7.86	0.721	12.18	0.68	-21	N	0.018
MW30S	MW30S-03152022	3/15/2022	7.1	0.821	11.1	0.62	187	N	0
MW1	MW1-03162022	3/16/2022	8.47	0.634	9.42	0.64	35	N	0
MW1D	MW1D-03162022	3/16/2022	8.09	0.652	10.56	4.41	63	N	0
MW1DD	MW1DD-03162022	3/16/2022	9.08	0.436	15.53	6.48	-37	N	0
MW7(R)S	MW7(R)S-03162022	3/16/2022	8.35	0.535	11.87	1.35	95	N	0
MW7(R)D	MW7(R)D-03162022	3/16/2022	8.25	0.427	12.73	0.94	108	N	0
MW21S	MW21S-03162022	3/16/2022	7.86	0.428	10.95	1.23	75	N	0.8
MW21D	MW21D-03162022	3/16/2022	7.83	0.555	12.32	8.5	35	N	0.067
MW22S	MW22S-03162022	3/16/2022	7.97	0.535	13.06	8.13	-31	N	0
MW22D	MW22D-03162022	3/16/2022	7.51	0.517	15.02	6.31	-19	N	0
MW23S	MW23S-03162022	3/16/2022	8.06	0.437	9.93	1.78	129	N	0
MW23D	MW23D-03162022	3/16/2022	8.12	0.772	12.7	8.98	132	N	0
MW25(R)S	MW25(R)S-03162022	3/16/2022	7.87	0.467	10.27	8.95	-37	N	0
MW25(R)D	MW25(R)D-03162022	3/16/2022	7.78	0.508	13.38	7.83	-58	N	0
MW30D	MW30D-03162022	3/16/2022	8.13	0.719	12.39	0.28	17	N	0
MW30S	MW30S-03162022	3/16/2022	8.47	0.85	10.32	1.45	121	N	0

Abbreviations and Acronyms - SU - standard units; mS/cm - milliSeimen per centimeter, C - degrees celcius, mg/L - milligram per liter, mV - millivolt

Table 2
Injection Performance Monitoring
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

Location	Sample ID	Sample Date	pH SU	Conductivity mS/cm	Temp °C	DO mg/L	ORP mV	Permanganate Visually Present (Y/N) Visual Y/N	Manganese Concentration (mg/L) mg/L
MW1	MW1-03172022	3/17/2022	7.83	0.671	8.49	0.81	17	N	0
MW1D	MW1D-03172022	3/17/2022	8	0.668	9.09	4.29	63	N	0
MW1DD	MW1DD-03172022	3/17/2022	8.68	0.463	13.06	3.15	6	N	0
MW7(R)S	MW7(R)S-03172022	3/17/2022	8.19	0.492	11.53	0.28	129	N	0
MW7(R)D	MW7(R)D-03172022	3/17/2022	9.09	0.416	12.74	1.31	104	N	0.007
MW21S	MW21S-03172022	3/17/2022	7.56	0.406	10.87	0.14	111	N	0.433
MW21D	MW21D-03172022	3/17/2022	7.62	0.573	11.37	0.31	90	N	0
MW22S	MW22S-03172022	3/17/2022	7.69	0.631	11.04	0.5	-27	N	0
MW22D	MW22D-03172022	3/17/2022	7.25	0.492	12.99	0.29	-16	N	0.232
MW23S	MW23S-03172022	3/17/2022	7.95	0.428	9.38	2.84	119	N	0
MW23D	MW23D-03172022	3/17/2022	8.34	0.69	10.63	9.33	100	N	0
MW25(R)S	MW25(R)S-03172022	3/17/2022	7.67	0.465	8.66	0.99	17	N	0
MW25(R)D	MW25(R)D-03172022	3/17/2022	7.62	0.513	12.96	0.1	-34	N	0
MW30D	MW30D-03172022	3/17/2022	7.77	0.685	13.22	0.41	29	N	0
MW30S	MW30S-03172022	3/17/2022	7.83	0.665	10.08	1.66	158	N	0
MW1	MW1-03182022	3/18/2022	6.32	0.729	9.18	0	-19	N	0
MW1D	MW1D-03182022	3/18/2022	6.22	0.691	13.93	1.83	82	N	0
MW1DD	MW1DD-03182022	3/18/2022	6.45	0.507	14.69	3.46	-67	N	0
MW7(R)S	MW7(R)S-03182022	3/18/2022	6.68	0.586	10.76	1.8	132	N	0
MW7(R)D	MW7(R)D-03182022	3/18/2022	6.54	0.494	11.22	0.65	139	N	0
MW21S	MW21S-03182022	3/18/2022	5.87	0.469	10.5	0	70	N	0
MW21D	MW21D-03182022	3/18/2022	5.89	0.634	11.87	0	51	N	0.035
MW22S	MW22S-03182022	3/18/2022	5.83	0.71	12.03	0	8	N	0
MW22D	MW22D-03182022	3/18/2022	5.69	0.548	14.41	0	-18	N	0.378
MW23S	MW23S-03182022	3/18/2022	6.12	0.53	11.75	3.32	117	N	0
MW23D	MW23D-03182022	3/18/2022	6.27	0.93	11.2	0.1	103	N	0
MW25(R)S	MW25(R)S-03182022	3/18/2022	6.06	0.542	8.48	0	-6	N	0
MW25(R)D	MW25(R)D-03182022	3/18/2022	6.13	0.609	12.53	0	-9	N	0
MW30D	MW30D-03182022	3/18/2022	6.4	0.695	12.44	0	67	N	0
MW30S	MW30S-03182022	3/18/2022	6.36	0.942	8.91	0	68	N	0
MW1	MW1-03212022	3/21/2022	5.73	0.719	10.72	0	-60	N	0
MW1D	MW1D-03212022	3/21/2022	5.48	0.622	13.88	3.23	121	N	0
MW1DD	MW1DD-03212022	3/21/2022	6.4	0.509	15.02	2.77	-64	N	0
MW7(R)S	MW7(R)S-03212022	3/21/2022	6.86	0.591	10.99	0.81	144	N	0
MW7(R)D	MW7(R)D-03212022	3/21/2022	6.58	0.481	11.79	0.38	150	N	0
MW21S	MW21S-03212022	3/21/2022	5.97	0.471	11.53	0	57	N	0.257
MW21D	MW21D-03212022	3/21/2022	5.84	0.64	12.12	0	1	N	0.054
MW22S	MW22S-03212022	3/21/2022	5.92	0.77	12.73	6.89	-54	N	0
MW22D	MW22D-03212022	3/21/2022	5.86	0.538	14.62	0	-40	N	0.254
MW23S	MW23S-03212022	3/21/2022	5.62	0.493	11.14	3.51	106	N	0
MW23D	MW23D-03212022	3/21/2022	6.24	0.929	11.45	4.29	63	N	0
MW25(R)S	MW25(R)S-03212022	3/21/2022	5.96	0.515	8.75	0	-35	N	0
MW25(R)D	MW25(R)D-03212022	3/21/2022	6.09	0.539	12.55	0	-26	N	0
MW30D	MW30D-03212022	3/21/2022	6.27	0.69	12.6	6.6	99	N	0
MW30S	MW30S-03212022	3/21/2022	6.17	0.945	9.26	0	44	N	0

Abbreviations and Acronyms - SU - standard units; mS/cm - milliSeimen per centimeter, C - degrees celcius, mg/L - milligram per liter, mV - millivolt

Table 2
Injection Performance Monitoring
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

Location	Sample ID	Sample Date	pH SU	Conductivity mS/cm	Temp °C	DO mg/L	ORP mV	Permanganate Visually Present (Y/N) Visual Y/N	Manganese Concentration (mg/L) mg/L
MW1	MW1-03222022	3/22/2022	6.04	0.673	9.8	0	19	N	0
MW1D	MW1D-03222022	3/22/2022	6.14	0.6.14	13.54	1.89	193	N	0
MW1DD	MW1DD-03222022	3/22/2022	6.38	0.551	13.13	4	65	N	0
MW7(R)S	MW7(R)S-03222022	3/22/2022	6.9	0.597	10.96	1.74	113	N	0
MW7(R)D	MW7(R)D-03222022	3/22/2022	6.69	0.489	11.8	0.36	132	N	0
MW21S	MW21S-03222022	3/22/2022	5.95	0.483	10.46	0	462	N	0.574
MW21D	MW21D-03222022	3/22/2022	5.84	0.699	10.93	0	449	N	0.004
MW22S	MW22S-03222022	3/22/2022	5.74	0.749	12.61	0	130	N	0.009
MW22D	MW22D-03222022	3/22/2022	5.67	0.513	14.12	0	406	N	0.221
MW23S	MW23S-03222022	3/22/2022	6.32	0.579	10.71	4.05	188	N	0
MW23D	MW23D-03222022	3/22/2022	6.44	0.936	10.99	0.42	189	N	0
MW25(R)S	MW25(R)S-03222022	3/22/2022	6.3	0.504	9.75	0	30	N	0
MW25(R)D	MW25(R)D-03222022	3/22/2022	6.09	0.5	10.1	0	61	N	0
MW30D	MW30D-03222022	3/22/2022	5.67	0.608	11.95	1.04	632	Y	0.8
MW30S	MW30S-03222022	3/22/2022	6.39	0.812	9.87	0	155	N	0
MW1	MW1-03232022	3/23/2022	6.31	0.77	9.39	4.89	-54	N	0
MW1D	MW1D-03232022	3/23/2022	6.06	0.683	12.6	3.7	166	N	0
MW1DD	MW1DD-03232022	3/23/2022	6.48	0.549	11.7	6.38	-36	N	0
MW7(R)S	MW7(R)S-03232022	3/23/2022	6.51	0.605	10.36	0.37	163	N	0
MW7(R)D	MW7(R)D-03232022	3/23/2022	6.61	0.489	11.07	0.05	171	N	0
MW21S	MW21S-03232022	3/23/2022	6.15	0.453	10.78	0	66	N	0.66
MW21D	MW21D-03232022	3/23/2022	5.8	0.664	11.37	0	55	N	0.042
MW22S	MW22S-03232022	3/23/2022	5.79	0.766	11.84	0	-47	N	0
MW22D	MW22D-03232022	3/23/2022	5.69	0.539	12.68	0.5	25	N	0.221
MW23S	MW23S-03232022	3/23/2022	6.17	0.468	10.72	3.72	157	N	0
MW23D	MW23D-03232022	3/23/2022	6.25	0.95	10.82	0.32	152	N	0
MW25(R)S	MW25(R)S-03232022	3/23/2022	5.99	0.492	9.28	0	-6	N	0
MW25(R)D	MW25(R)D-03232022	3/23/2022	5.96	0.517	11.48	0	305	N	0
MW30D	MW30D-03232022	3/23/2022	5.82	0.582	11.05	0.99	443	Y	0.8
MW30S	MW30S-03232022	3/23/2022	6.86	0.934	9.42	8.5	206	N	0
MW1	MW1-03242022	3/24/2022	7.96	0.637	9.26	1.72	-7	N	0
MW1D	MW1D-03242022	3/24/2022	7.95	0.64	10	4.52	100	N	0
MW1DD	MW1DD-03242022	3/24/2022	8.32	0.539	9.3	8.27	9	N	0
MW7(R)S	MW7(R)S-03242022	3/24/2022	8.46	0.547	10.84	2.12	171	N	0
MW7(R)D	MW7(R)D-03242022	3/24/2022	8.64	0.448	11.57	2.52	160	N	0.019
MW21S	MW21S-03242022	3/24/2022	8.23	0.319	10.28	8.08	110	N	0.8
MW21D	MW21D-03242022	3/24/2022	7.77	0.6	11.87	0.55	69	N	0.119
MW22S	MW22S-03242022	3/24/2022	7.65	0.718	11.37	0.96	-39	N	0
MW22D	MW22D-03242022	3/24/2022	7.52	0.416	10.47	2.84	-14	N	0.262
MW23S	MW23S-03242022	3/24/2022	8.11	0.432	8.93	6.53	132	N	0
MW23D	MW23D-03242022	3/24/2022	8.39	0.816	9.85	2.49	125	N	0
MW25(R)S	MW25(R)S-03242022	3/24/2022	7.87	0.439	9.07	1.39	3	N	0
MW25(R)D	MW25(R)D-03242022	3/24/2022	8.06	0.474	12.39	1.85	-43	N	0
MW30D	MW30D-03242022	3/24/2022	5.91	5.717	11.26	1.92	498	Y	0.8
MW30S	MW30S-03242022	3/24/2022	8.62	0.805	10.07	2.05	166	N	0

Abbreviations and Acronyms - SU - standard units; mS/cm - milliSeimen per centimeter, C - degrees celcius, mg/L - milligram per liter, mV - millivolt

Table 3
Baseline and Post Injection Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

			Sample ID	MW-1	MW-1	MW-1	MW-1D	MW-1D	MW-1D	MW-1DD	MW-1DD	MW-1DD	MW-11	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S
			Lab Sample Number	N1467-15	22F0868-06	37-03/ 22I1737-(	N1467-07	22F0868-03	22I1502-03	N1467-13	22F0868-04	37-02/ 22I1737-(	2/14/2022	N1429-03	22F0782-01	22I1637-04	N1429-01	22F0695-01
			Sample Date	2/9/2022	6/10/2022	9/26/2022	2/8/2022	6/10/2022	9/21/2022	2/9/2022	6/10/2022	9/26/2022	Water	2/7/2022	6/8/2022	9/23/2022	2/7/2022	6/7/2022
Volatile Organic Compounds	**CAS #**	**Class GA STD**	**Units**															
1,1-Dichloroethene	75-35-4	5	ug/l	**0.34 J**	< 2.0 U	< 1.0 U	**0.72 J**	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	< 1.0 U	< 1 U	**0.87 J**	< 10 U	< 1.0 U	< 1 U	< 1.0 U
Benzene	71-43-2	1	ug/l	< 1 U	< 2.0 U	**0.28 J**	< 1 U	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	**0.30 J**	**22.4**	**0.82 J**	< 10 U	< 1.0 U	< 1 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	**990 D**	**230**	**43**	**440 D**	**410**	**260**	**19.2**	**58**	**24**	**300 D**	**540 D**	**1200**	**9.1**	**130**	**5.2**
Ethylbenzene	100-41-4	5	ug/l	< 1 U	< 2.0 U	**0.46 J**	< 1 U	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	**0.26 J**	**68.7**	< 1 U	< 10 U	< 1.0 U	< 1 U	< 1.0 U
Isopropylbenzene	98-82-8	5	ug/l	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	< 1.0 U	**24.8**	< 1 U	< 10 U	< 1.0 U	< 1 U	< 1.0 U
Methyl-tert-butylether	1634-04-4	10	ug/l	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	< 1.0 U	**33.9**	< 1 U	< 10 U	< 1.0 U	< 1 U	< 1.0 U
Tetrachloroethene	127-18-4	5	ug/l	**410 D**	**120**	**6.0**	**65.8**	**54**	**20**	**7.3**	**21**	**10**	**0.37 J**	**0.45 J**	< 10 U	**1.8**	**25**	**4.9**
Toluene	108-88-3	5	ug/l	< 1 U	< 2.0 U	**2.7**	< 1 U	< 4.0 U	< 4.0 U	< 1 U	< 2.0 U	**1.6**	**36.5**	< 1 U	< 10 U	**0.29 J**	< 1 U	< 1.0 U
Total Xylenes	1330-20-7	5	ug/l	< 3 U	--	--	**1.03 J**	--	--	< 3 U	--	--	**280**	< 3 U	--	--	< 3 U	--
trans-1,2-Dichloroethene	156-60-5	5	ug/l	**4**	**1.3 J**	< 1.0 U	**2.6**	**3.1 J**	**2.1 J**	< 1 U	< 2.0 U	**0.37 J**	**7**	**7.8**	**13**	**1.0**	**0.75 J**	< 1.0 U
Trichloroethene	79-01-6	5	ug/l	**210 D**	**61**	**5.7**	**83.3**	**58**	**16**	**4.5**	**11**	**6.3**	< 1 U	**0.92 J**	< 10 U	**0.67 J**	**17.3**	**1.6**
Vinyl chloride	75-01-4	2	ug/l	**7.6**	**6.2**	**0.89 J**	**14.3**	**13**	**19**	**0.86 J**	< 4.0 U	**0.33 J**	**200 D**	**77.5**	**47**	**1.5 J**	**8.4**	< 2.0 U
SVOCs	**CAS #**		**Units**															
Phenol	108-95-2	1	ug/l	--	< 9.7 U	< 9.8 U	--	< 9.7 U	< 9.8 U	--	< 9.8 U	< 9.8 U	--	--	**2.3 J**	< 9.8 U	--	**1.8 BJ**
Metals	**CAS #**		**Units**															
Aluminum	7429-90-5	--	c	--	**12**	**0.42**	--	**0.061**	< 0.050 U	--	**1.2**	**0.050 J**	--	--	**13**	**1.0 B**	--	**0.63**
Antimony	7440-36-0	0.003	mg/l	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	< 0.050 U	< 0.050 U	--	< 0.050 U
Arsenic	7440-38-2	0.025	mg/l	--	**0.027**	< 0.010 U	--	**0.0048 J**	< 0.010 U	--	**0.011**	< 0.010 U	--	--	**0.050**	< 0.010 U	--	< 0.010 U
Barium	7440-39-3	1	mg/l	--	**0.19**	**0.064**	--	**0.10**	**0.083**	--	**0.026 J**	**0.081**	--	--	**1.9**	**0.15**	--	**0.055**
Beryllium	7440-41-7	0.003	mg/l	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	**0.0015 J**	< 0.0040 U	--	< 0.0040 U
Cadmium	7440-43-9	0.005	mg/l	--	< 0.0040 U	**0.00084 J**	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	**0.0027 J**	**0.00094 J**	--	< 0.0040 U
Calcium	7440-70-2	--	mg/l	--	**76**	**77**	--	**52**	**39**	--	**16**	**47**	--	--	**48**	**57**	--	**56**
Chromium	7440-47-3	0.05	mg/l	--	**0.042**	**0.0035 J**	--	< 0.010 U	< 0.010 U	--	**0.0040 J**	**0.0028 J**	--	--	**0.10**	**0.0071 J**	--	< 0.010 U
Chromium VI	18540-29-9	0.05	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	7440-48-4	--	mg/l	--	**0.015**	< 0.010 U	--	**0.0014 J**	< 0.010 U	--	**0.0034 J**	**0.0040 J**	--	--	**0.028**	**0.0023 J**	--	< 0.010 U
Copper	7440-50-8	0.2	mg/l	--	**0.070**	**0.0098 J**	--	< 0.010 U	< 0.010 U	--	**0.0065 J**	< 0.010 U	--	--	**0.097**	**0.010**	--	**0.0044 J**
Iron	7439-89-6	0.3	mg/l	**0.249**	**29**	**0.56**	**2.25**	**1.8**	**1.5**	**6.06**	**4.4**	**2.1**	**39.3**	**23.8 J**	**140**	**6.9**	**1.49 J**	**2.5**
Iron (dissolved)	7439-89-6	0.3	mg/l	**0.0153 J**	--	--	**0.0146 J**	--	--	**1.27**	**0.077**	--	**14.9**	**0.0828 J**	< 0.050 U	--	**0.462 J**	--
Lead	7439-92-1	0.025	mg/l	--	**0.087**	< 0.010 U	--	< 0.010 U	< 0.010 U	--	**0.0032 J**	< 0.010 U	--	--	**0.054**	< 0.010 U	--	< 0.010 U
Magnesium	7439-95-4	35	mg/l	--	**16**	**11**	--	**11**	**8.6**	--	**2.4**	**10**	--	--	**16**	**11**	--	**11**
Manganese	7439-96-5	0.3	mg/l	**3.46**	**5.7**	**2.5**	**5.05**	**6.2**	**3.8**	**8.59**	**0.97**	**6.8**	**2.39**	**32.1 D**	**200**	**15**	**4.3**	**2.5**
Manganese (dissolved)	7439-96-5	0.3	mg/l	**3.45**	--	--	**5.08**	--	--	**8.12**	**0.79**	--	**2.42**	**10**	**9.1**	--	**4**	--
Mercury	7439-97-6	0.0007	mg/l	--	**0.000047 J**	< 0.00010 U	--	< 0.00010 U	**0.00021 B**	--	< 0.00010 U	< 0.00010 U	--	--	**0.000044 J**	< 0.00010 U	--	< 0.00010 U
Nickel	7440-02-0	0.1	mg/l	--	**0.022**	< 0.010 U	--	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	**0.046**	< 0.010 U	--	< 0.010 U
Potassium	7440-09-7	--	mg/l	--	**6.5**	**6.5**	--	**4.5**	**4.3**	--	**3.0**	**8.4**	--	--	**5.2**	**4.7**	--	**4.0**
Selenium	7782-49-2	0.01	mg/l	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	**0.093**	< 0.050 U	--	**0.032 J**
Silver	7440-22-4	0.05	mg/l	--	**0.0076 J**	< 0.010 U	--	**0.0076 J**	< 0.010 U	--	**0.0062 J**	< 0.010 U	--	--	**0.11**	< 0.010 U	--	< 0.010 U
Sodium	7440-23-5	20	mg/l	**31.3**	**70**	**44**	**32.6**	**92**	**110**	**21.2**	**110**	**32**	**53.5**	**105**	**85**	**75**	**60.3**	**26**
Thallium	7440-28-0	0.0005	mg/l	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	< 0.050 U	< 0.050 U	--	< 0.050 U
Vanadium	7440-62-2	--	mg/l	--	**0.044**	**0.015**	--	**0.0037 J**	**0.0088 J**	--	**0.0060 J**	**0.011**	--	--	**0.12**	**0.018**	--	< 0.010 U
Zinc	7440-66-6	2	mg/l	--	**7.4**	**0.36 B**	--	**0.076**	**0.030 B**	--	**0.33**	**0.43 B**	--	--	**2.4**	**0.11**	--	**0.0067 J**
Field Parameters																		
pH	--	6-8	su	5.66	6.73	6.92	7.6	6.47	6.88	7.4	6.9	6.33	8.26	6.91	6.38	6.85	5.12	6.3
Conductivity	--		uS/cm	0.484	0.635	0.848	0.385	0.783	0.839	0.373	0.613	0.74	0.966	0.788	0.729	0.634	0.565	0.279
Disoslved Oxygen	--		mg/L	1.97	3.35	2.04	0	-	0.6	0	0.86	0.32	2.52	3.75	2.97	0.7	0	0.95
Temperature	--		°C	16.5	17.54	19	14.3	13.86	16.88	14.96	14.16	15.85	8.05	7.48	18.67	16.97	9.09	16.97
Turbidity	--		NTU	69.8	587	24.5	3.8	0	0	8.4	89	0	0	184	800	0	104	14.3
Oxidation Reduction Potential	--		mV	184	-12	-40	14	-51	81	11	-26	-27	-86	271	152	229	114	18

Notes and abbreviations on final page

Table 3
Baseline and Post Injection Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

			Sample ID	MW-21S	MW-22RD	MW-22RD	MW-22RD	MW-22-R-S	MW-22-R-S	MW-22-R-S	MW-23D	MW-23D	MW-23D	MW-23S	MW-23S	MW-23S	MW-25RD
			Lab Sample Number	22I1637-03	N1438-01	22F0782-02	22I1737-01	N1429-07	22F0782-03	22I1637-05	N1467-11	22F0868-02	22I1502-01	N1467-09	22F0868-01	22I1502-02	N1438-03
			Sample Date	9/23/2022	2/8/2022	6/8/2022	9/26/2022	2/7/2022	6/8/2022	9/23/2022	2/9/2022	6/10/2022	9/21/2022	2/9/2022	6/10/2022	9/21/2022	2/8/2022
Volatile Organic Compounds	**CAS #**	**Class GA STD**	**Units**														
1,1-Dichloroethene	75-35-4	5	ug/l	< 1.0 U	**1.2**	< 10 U	**1.8 J**	**0.77 J**	< 10 U	< 10 U	**2.5**	**2.9 J**	< 2.0 U	**1.5**	< 2.0 U	**0.76 J**	**1.6**
Benzene	71-43-2	1	ug/l	< 1.0 U	**0.54 J**	< 10 U	< 10 U	**0.52 J**	< 10 U	< 10 U	< 1 U	< 5.0 U	< 2.0 U	< 1 U	< 2.0 U	< 4.0 U	**0.33 J**
cis-1,2-Dichloroethene	156-59-2	5	ug/l	**41**	**690 D**	**1300**	**1200**	**550 D**	**1000**	**800**	**1000 D**	**580**	**12**	**1200 D**	**310**	**290**	**800 D**
Ethylbenzene	100-41-4	5	ug/l	< 1.0 U	< 1 U	< 10 U	< 10 U	< 1 U	< 10 U	< 10 U	< 1 U	< 5.0 U	< 2.0 U	< 1 U	< 2.0 U	< 4.0 U	< 1 U
Isopropylbenzene	98-82-8	5	ug/l	< 1.0 U	< 1 U	< 10 U	< 10 U	< 1 U	< 10 U	< 10 U	< 1 U	< 5.0 U	< 2.0 U	< 1 U	< 2.0 U	< 4.0 U	< 1 U
Methyl-tert-butylether	1634-04-4	10	ug/l	< 1.0 U	< 1 U	< 10 U	< 10 U	< 1 U	< 10 U	< 10 U	**0.81 J**	< 5.0 U	< 2.0 U	< 1 U	< 2.0 U	< 4.0 U	< 1 U
Tetrachloroethene	127-18-4	5	ug/l	**36**	**1**	< 10 U	< 10 U	**0.78 J**	< 10 U	< 10 U	**490 D**	**130**	**2.3**	**240 D**	**170**	**230**	**36**
Toluene	108-88-3	5	ug/l	< 1.0 U	< 1 U	< 10 U	< 10 U	< 1 U	< 10 U	< 10 U	< 1 U	< 5.0 U	< 2.0 U	< 1 U	< 2.0 U	< 4.0 U	< 1 U
Total Xylenes	1330-20-7	5	ug/l	--	< 3 U	--	--	< 3 U	--	--	< 3 U	--	--	**0.54 J**	--	--	< 3 U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	**0.30 J**	**4.8**	**8.4 J**	**9.7 J**	**9.9**	**18**	**15**	**6.2**	**4.0 J**	< 2.0 U	**5.2**	**1.9 J**	**1.6 J**	**4.7**
Trichloroethene	79-01-6	5	ug/l	**5.5**	**2.8**	< 10 U	< 10 U	**0.5 J**	< 10 U	< 10 U	**510 D**	**110**	**2.1**	**280 D**	**100**	**160**	**95.9**
Vinyl chloride	75-01-4	2	ug/l	**2.2**	**38.5**	**92**	**210**	**340 D**	**400**	**400**	**6.8**	**12**	< 4.0 U	**19.6**	**2.7 J**	**4.2 J**	**26.3**
SVOCs	**CAS #**		**Units**														
Phenol	108-95-2	1	ug/l	< 9.8 U	--	**5.2 J**	< 9.9 U	--	**9.8 / < 9.7 U**	< 10 U	--	< 9.9 U	< 9.9 U	--	< 9.8 U	< 9.8 U	--
Metals	**CAS #**		**Units**														
Aluminum	7429-90-5	--	c	**0.11 B**	--	**0.64**	**0.12**	--	**2.9**	**0.53 B**	--	**0.43**	**0.19**	--	**0.082**	**0.018 J**	--
Antimony	7440-36-0	0.003	mg/l	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--
Arsenic	7440-38-2	0.025	mg/l	< 0.010 U	--	< 0.010 U	< 0.010 U	--	**0.013**	< 0.010 U	--	**0.018**	**0.020**	--	< 0.010 U	< 0.010 U	--
Barium	7440-39-3	1	mg/l	**0.055**	--	**0.16**	**0.18**	--	**0.16**	**0.11**	--	**0.031 J**	**0.036 J**	--	**0.043 J**	**0.038 J**	--
Beryllium	7440-41-7	0.003	mg/l	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--
Cadmium	7440-43-9	0.005	mg/l	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--
Calcium	7440-70-2	--	mg/l	**55**	--	**38**	**42**	--	**31**	**30**	--	**42**	**44**	--	**69**	**72**	--
Chromium	7440-47-3	0.05	mg/l	< 0.010 U	--	< 0.010 U	**0.0026 J**	--	**0.010 J**	**0.0029 J**	--	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Chromium VI	18540-29-9	0.05	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	7440-48-4	--	mg/l	< 0.010 U	--	**0.0027 J**	**0.0021 J**	--	**0.0038 J**	**0.0015 J**	--	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Copper	7440-50-8	0.2	mg/l	< 0.010 U	--	**0.0049 J**	< 0.010 U	--	**0.026**	**0.0054 J**	--	**0.0040 J**	**0.0040 J**	--	< 0.010 U	< 0.010 U	--
Iron	7439-89-6	0.3	mg/l	**0.59**	**10.4 J**	**33**	**30**	**13.8 J**	**25**	**11**	**0.636**	**5.2**	**3.2**	< 0.05 U	**0.22**	**0.045 J**	**4.92 J**
Iron (dissolved)	7439-89-6	0.3	mg/l	--	**6.54 J**	--	--	**6.52 J**	**7.9**	--	**0.0238 J**	--	--	**0.0166 J**	--	--	**4.27 J**
Lead	7439-92-1	0.025	mg/l	< 0.010 U	--	< 0.010 U	< 0.010 U	--	**0.025**	< 0.010 U	--	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Magnesium	7439-95-4	35	mg/l	**10**	--	**13**	**16**	--	**9.3**	**8.0**	--	**9.5**	**10**	--	**13**	**13**	--
Manganese	7439-96-5	0.3	mg/l	**2.6**	**0.778**	**2.0**	**1.9**	**1.91**	**2.9**	**2.1**	**0.175**	**0.23**	**0.34**	**2.44**	**3.8**	**4.5**	**6.27**
Manganese (dissolved)	7439-96-5	0.3	mg/l	--	**0.672**	--	--	**1.99**	**2.7**	--	**0.183**	--	--	**2.2**	--	--	**5.73**
Mercury	7439-97-6	0.0007	mg/l	< 0.00010 U	--	< 0.00010 U	< 0.00010 U	--	< 0.00010 U	< 0.00010 U	--	< 0.00010 U	**0.00020 B**	--	< 0.00010 U	**0.00020 B**	--
Nickel	7440-02-0	0.1	mg/l	< 0.010 U	--	< 0.010 U	< 0.010 U	--	**0.014**	< 0.010 U	--	**0.0090 J**	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Potassium	7440-09-7	--	mg/l	**4.6**	--	**2.6**	**3.0**	--	**3.4**	**3.6**	--	**4.0**	**5.7**	--	**4.3**	**5.5**	--
Selenium	7782-49-2	0.01	mg/l	< 0.050 U	--	**0.018 J**	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--
Silver	7440-22-4	0.05	mg/l	< 0.010 U	--	**0.0038 J**	< 0.010 U	--	**0.011**	< 0.010 U	--	< 0.010 U	< 0.010 U	--	**0.0049 J**	< 0.010 U	--
Sodium	7440-23-5	20	mg/l	**36**	**112**	**67**	**84**	**153**	**140**	**120**	**49.5**	**40**	**20**	**30.6**	**58**	**63**	**56.3**
Thallium	7440-28-0	0.0005	mg/l	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--
Vanadium	7440-62-2	--	mg/l	**0.0099 J**	--	**0.0032 J**	**0.014**	--	**0.056**	**0.020**	--	**0.0044 J**	**0.011**	--	**0.0033 J**	**0.010**	--
Zinc	7440-66-6	2	mg/l	**0.0045 BJ**	--	**0.013**	**0.018 B**	--	**0.11**	**0.033 B**	--	**1.3**	**0.81**	--	**0.48**	**0.58**	--
Field Parameters																	
pH	--	6-8	su	6.63	5.9	6.08	5.93	6.1	6.32	6.77	7.6	6.42	6.92	5.46	6.06	6.69	7.32
Conductivity	--		uS/cm	0.692	0.85	0.765	0.692	0.727	0.694	0.622	0.445	0.729	0.459	0.391	0.515	0.814	0.476
Disoslved Oxygen	--		mg/L	0.8	2.77	0.58	0.28	0	1.78	0.81	0	1.19	0.88	0	0.8	0.92	0.94
Temperature	--		°C	19.22	11.01	15	16.27	12.66	14.73	17.04	12.49	14.91	18	10.24	14.05	19.98	13.96
Turbidity	--		NTU	3.3	23.3	23.4	2.7	194	208	0	3.6	8.2	0	4.6	9.9	0	0.7
Oxidation Reduction Potential	--		mV	168	-28	-84	-89	-85	-106	245	35	70	70	169	-61	34	5

Notes and abbreviations on final page

Table 3
Baseline and Post Injection Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

			Sample ID	MW-25RD	MW-25RD	MW-25RS	MW-25RS	MW-25RS	MW-3	MW-30D	MW-30D	MW-30D	MW-30S	MW-30S	MW-30S	MW-4R	MW-5R	MW-7D
			Lab Sample Number	22F0695-03	22I1637-02	N1429-05	22F0695-02	22I1637-01	N1541-01	N1467-01	22F0695-04	22I1499-03	N1467-03	22F0695-05	22I1502-04	3; 410-73073-2;	3; 410-72646-3;	N1497-02
			Sample Date	6/7/2022	9/23/2022	2/7/2022	6/7/2022	9/23/2022	2/14/2022	2/8/2022	6/7/2022	9/22/2022	2/8/2022	6/7/2022	9/21/2022	2/14/2022	2/10/2022	2/10/2022
Volatile Organic Compounds	**CAS #**	**Class GA STD**	**Units**															
1,1-Dichloroethene	75-35-4	5	ug/l	< 4.0 U	**0.80 J**	**0.4 J**	< 2.0 U	< 1.0 U	< 1 U	**1.5**	< 10 U	< 5.0 U	< 1 U	< 4.0 U	< 2.0 U	< 1 U	< 1 U	< 1 U
Benzene	71-43-2	1	ug/l	< 4.0 U	< 5.0 U	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 1 U	< 10 U	< 5.0 U	< 1 U	< 4.0 U	< 2.0 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	**490**	**530**	**420 D**	**88**	**34**	< 1 U	**940 D**	**800**	**490**	**79.7**	**400**	**200**	< 1 U	**0.77 J**	**5**
Ethylbenzene	100-41-4	5	ug/l	< 4.0 U	< 5.0 U	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 1 U	< 10 U	< 5.0 U	< 1 U	< 4.0 U	**0.46 J**	< 1 U	< 1 U	< 1 U
Isopropylbenzene	98-82-8	5	ug/l	< 4.0 U	< 5.0 U	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 1 U	< 10 U	< 5.0 U	< 1 U	< 4.0 U	< 2.0 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	10	ug/l	< 4.0 U	< 5.0 U	**0.45 J**	< 2.0 U	< 1.0 U	< 1 U	< 1 U	< 10 U	< 5.0 U	< 1 U	< 4.0 U	< 2.0 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	ug/l	**11**	**3.0 J**	**71.7**	**230**	**24**	< 1 U	**180 D**	**30**	**10**	**11.7**	< 4.0 U	**0.62 J**	< 1 U	**0.44 J**	**0.68 J**
Toluene	108-88-3	5	ug/l	< 4.0 U	< 5.0 U	< 1 U	< 2.0 U	< 1.0 U	< 1 U	< 1 U	< 10 U	**1.4 J**	< 1 U	< 4.0 U	**2.0 J**	< 1 U	< 1 U	< 1 U
Total Xylenes	1330-20-7	5	ug/l	--	--	< 3 U	--	--	< 3 U	< 3 U	--	--	< 3 U	--	--	< 3 U	< 3 U	< 3 U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	**3.1 J**	< 5.0 U	**2.1**	**1.2 J**	< 1.0 U	< 1 U	**4.5**	**5.8 J**	**5.4**	**0.4 J**	**2.2 J**	**1.8 J**	< 1 U	< 1 U	< 1 U
Trichloroethene	79-01-6	5	ug/l	**17**	**2.0 J**	**57.4**	**21**	**10**	< 1 U	**250 D**	**68**	**13**	**32.3**	< 4.0 U	< 2.0 U	< 1 U	**0.3 J**	**0.31 J**
Vinyl chloride	75-01-4	2	ug/l	**16**	**15**	**9.9**	**1.9 J**	**0.64 J**	< 1 U	**19.6**	**9.0 J**	**8.2 J**	**1.7**	< 8.0 U	**1.8 J**	< 1 U	< 1 U	**0.44 J**
SVOCs	**CAS #**		**Units**															
Phenol	108-95-2	1	ug/l	**1.5 BJ**	< 9.9 U	--	**6.2 B-07J**	**< 9.9 U**	< 9.8 U	--	--	**3.5 BJ**	< 9.8 U	--	**3.1 BJ**	< 9.6 U	--	--	--
Metals	**CAS #**		**Units**															
Aluminum	7429-90-5	--	c	**0.054**	< 0.050 BU	--	**0.19**	**0.044 BJ**	--	--	**0.032 J**	**0.029 J**	--	**0.64**	**0.58**	--	--	--
Antimony	7440-36-0	0.003	mg/l	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	< 0.050 U	**0.013 J**	--	< 0.050 U	< 0.050 U	--	--	--
Arsenic	7440-38-2	0.025	mg/l	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	--
Barium	7440-39-3	1	mg/l	**0.086**	**0.11**	--	**0.042 J**	**0.040 J**	--	--	**0.11**	**0.058**	--	**0.13**	**0.10**	--	--	--
Beryllium	7440-41-7	0.003	mg/l	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	--
Cadmium	7440-43-9	0.005	mg/l	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--	--	--
Calcium	7440-70-2	--	mg/l	**30**	**42**	--	**43**	**51**	--	--	**64**	**55**	--	**75**	**58**	--	--	--
Chromium	7440-47-3	0.05	mg/l	< 0.010 U	< 0.010 U	--	**0.022**	**0.0067 J**	--	--	**0.0032 J**	< 0.010 U	--	< 0.010 U	**0.0027 J**	--	--	--
Chromium VI	18540-29-9	0.05	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt	7440-48-4	--	mg/l	**0.0023 J**	**0.0029 J**	--	< 0.010 U	< 0.010 U	--	--	< 0.010 U	< 0.010 U	--	**0.0026 J**	**0.0015 J**	--	--	--
Copper	7440-50-8	0.2	mg/l	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	**0.012**	**0.019 B**	--	< 0.010 U	< 0.010 U	--	--	--
Iron	7439-89-6	0.3	mg/l	**5.8**	**10**	**0.273 J**	**0.30**	**0.10**	**1.52**	**1.5**	**0.74**	**0.31**	**7.41**	**1.6**	**1.7**	**5.64**	**4.66**	**40**
Iron (dissolved)	7439-89-6	0.3	mg/l	--	--	**0.0203 J**	--	--	**1.12**	**0.0287 J**	--	--	**0.0195 J**	--	--	**3.24**	**0.0118 J**	**0.0424 J**
Lead	7439-92-1	0.025	mg/l	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	< 0.010 U	< 0.010 U	--	< 0.010 B-05U	< 0.010 U	--	--	--
Magnesium	7439-95-4	35	mg/l	**10**	**15**	--	**8.3**	**10**	--	--	**14**	**13**	--	**18**	**13**	--	--	--
Manganese	7439-96-5	0.3	mg/l	**5.6**	**11**	**2.63**	**4.8**	**3.6**	**0.124**	**5.8**	**10**	**7.3**	**8.77**	**7.2**	**4.5**	**1.19**	**1.22**	**3.43**
Manganese (dissolved)	7439-96-5	0.3	mg/l	--	--	**2.57**	--	--	**0.122**	**5.68**	--	--	**8.85**	--	--	**1.1**	**1.24**	**1.6**
Mercury	7439-97-6	0.0007	mg/l	< 0.00010 U	< 0.00010 U	--	< 0.00010 U	< 0.00010 U	--	--	< 0.00010 U	**0.00019 B**	--	< 0.00010 U	**0.00019 B**	--	--	--
Nickel	7440-02-0	0.1	mg/l	< 0.010 U	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	**0.012**	< 0.010 U	--	< 0.010 U	< 0.010 U	--	--	--
Potassium	7440-09-7	--	mg/l	**6.6**	**6.7**	--	**3.5**	**4.4**	--	--	**6.3**	**7.1**	--	**7.4**	**10**	--	--	--
Selenium	7782-49-2	0.01	mg/l	**0.023 J**	< 0.050 U	--	**0.032 J**	< 0.050 U	--	--	**0.037 J**	< 0.050 U	--	**0.039 J**	< 0.050 U	--	--	--
Silver	7440-22-4	0.05	mg/l	**0.0092 J**	< 0.010 U	--	**0.0047 J**	< 0.010 U	--	--	**0.013**	< 0.010 U	--	**0.011**	< 0.010 U	--	--	--
Sodium	7440-23-5	20	mg/l	**110**	**98**	**48.2**	**41**	**37**	**53.6**	**37**	**150**	**150**	**54.3**	**130**	**120**	**19**	**147**	**28.8**
Thallium	7440-28-0	0.0005	mg/l	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--	--	--
Vanadium	7440-62-2	--	mg/l	< 0.010 U	**0.013**	--	< 0.010 U	**0.0090 J**	--	--	< 0.010 U	**0.0094 J**	--	**0.0037 J**	**0.013**	--	--	--
Zinc	7440-66-6	2	mg/l	< 0.010 U	< 0.010 U	--	**0.0068 J**	< 0.010 U	--	--	**0.0053 J**	**0.0096 BJ**	--	**0.012**	**0.033 B**	--	--	--
Field Parameters																		
pH	--	6-8	su	6.48	7.01	5.89	6.05	7.2	7.13	7.47	6.83	7.32	6.21	6.98	6.97	8.02	7.25	7.27
Conductivity	--		uS/cm	0.958	0.851	0.533	0.341	0.824	0.526	0.465	1.19	0.862	1.08	1.33	0.84	0.439	1.23	0.518
Disoslved Oxygen	--		mg/L	2.31	0.98	0	1.77	1.05	0.33	0.14	0.79	1.11	1.49	4.03	0.69	0	2.6	0.5
Temperature	--		°C	13.7	16.2	8.08	15.26	16.4	12.21	14.19	13.34	16.48	9.9	13.16	18.05	12.04	13.92	12.2
Turbidity	--		NTU	0	0	13.2	29.7	37.8	0	2.3	0.3	22.8	180	3.1	9.8	1.3	10.4	7.5
Oxidation Reduction Potential	--		mV	-112	432	72	354	418	96	29	-75	447	61	-43	32	-52	102	82

Table 3
Baseline and Post Injection Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

			Sample ID	MW-7D	MW-7D	MW-7S	MW-7S	MW-7S	MW-8
			Lab Sample Number	22F0782-05	22I1499-02	N1497-01	22F0782-04	22I1499-01	N1467-05
			Sample Date	6/8/2022	9/22/2022	2/10/2022	6/8/2022	9/22/2022	2/8/2022
Volatile Organic Compounds	**CAS #**	**Class GA STD**	**Units**						
1,1-Dichloroethene	75-35-4	5	ug/l	< 4.0 U	**1.3 J**	**5.3**	**5.5 J**	**2.9 J**	< 1 U
Benzene	71-43-2	1	ug/l	< 4.0 U	< 4.0 U	**0.6 J**	< 10 U	< 10 U	**0.75 J**
cis-1,2-Dichloroethene	156-59-2	5	ug/l	**210**	**290**	**800 D**	**790**	**620**	**60.8**
Ethylbenzene	100-41-4	5	ug/l	< 4.0 U	< 4.0 U	< 1 U	< 10 U	< 10 U	**94.8**
Isopropylbenzene	98-82-8	5	ug/l	< 4.0 U	< 4.0 U	< 1 U	< 10 U	< 10 U	**57.3**
Methyl-tert-butylether	1634-04-4	10	ug/l	**1.2 J**	**1.7 J**	**4**	**3.4 J**	**3.7 J**	**3.2**
Tetrachloroethene	127-18-4	5	ug/l	**23**	**13**	**130**	**74**	**21**	**0.86 J**
Toluene	108-88-3	5	ug/l	< 4.0 U	< 4.0 U	< 1 U	< 10 U	< 10 U	**39**
Total Xylenes	1330-20-7	5	ug/l	--	--	< 3 U	--	--	**940 D**
trans-1,2-Dichloroethene	156-60-5	5	ug/l	< 4.0 U	< 4.0 U	**3.2**	< 10 U	< 10 U	**1.6**
Trichloroethene	79-01-6	5	ug/l	**12**	**7.2**	**170 D**	**91**	**23**	**0.72 J**
Vinyl chloride	75-01-4	2	ug/l	**2.2 J**	**3.0 J**	**64.3**	**28**	**55**	**13**
SVOCs	**CAS #**		**Units**						
Phenol	108-95-2	1	ug/l	**2.1 J**	< 9.8 U	< 9.9 U	--	**11**	< 9.8 U
Metals	**CAS #**		**Units**						
Aluminum	7429-90-5	--	c	**6.2 MS-19**	**0.80**	--	**0.061**	< 0.050 U	--
Antimony	7440-36-0	0.003	mg/l	< 0.050 U	**0.014 J**	--	< 0.050 U	**0.0095 J**	--
Arsenic	7440-38-2	0.025	mg/l	**0.0083 BJ**	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Barium	7440-39-3	1	mg/l	**0.10**	**0.061**	--	**0.029 J**	**0.028 J**	--
Beryllium	7440-41-7	0.003	mg/l	< 0.0040 U	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--
Cadmium	7440-43-9	0.005	mg/l	**0.00087 J**	< 0.0040 U	--	< 0.0040 U	< 0.0040 U	--
Calcium	7440-70-2	--	mg/l	**73 MS-19**	**70**	--	**54**	**53**	--
Chromium	7440-47-3	0.05	mg/l	**0.021**	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Chromium VI	18540-29-9	0.05	mg/l	--	--	--	--	--	--
Cobalt	7440-48-4	--	mg/l	**0.011**	**0.0027 J**	--	**0.0057 J**	**0.0074 J**	--
Copper	7440-50-8	0.2	mg/l	**0.016**	**0.012 B**	--	< 0.010 U	**0.0097 BJ**	--
Iron	7439-89-6	0.3	mg/l	**19 MS-19**	**2.7**	**0.101**	**0.20**	**0.020 J**	**42.2**
Iron (dissolved)	7439-89-6	0.3	mg/l	< 0.050 R-04U	--	**0.0154 J**	--	--	**2.88**
Lead	7439-92-1	0.025	mg/l	**0.0055 J**	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Magnesium	7439-95-4	35	mg/l	**15**	**13**	--	**17**	**16**	--
Manganese	7439-96-5	0.3	mg/l	**6.3**	**7.3**	**4.66**	**5.2**	**6.0**	**1.52**
Manganese (dissolved)	7439-96-5	0.3	mg/l	**7.0**	--	**4.9**	--	--	**1.64**
Mercury	7439-97-6	0.0007	mg/l	< 0.00010 U	< 0.00010 U	--	< 0.00010 U	< 0.00010 U	--
Nickel	7440-02-0	0.1	mg/l	**0.018**	< 0.010 U	--	< 0.010 U	< 0.010 U	--
Potassium	7440-09-7	--	mg/l	**7.9**	**8.0**	--	**3.4**	**4.0**	--
Selenium	7782-49-2	0.01	mg/l	< 0.050 U	< 0.050 U	--	< 0.050 U	**0.013 J**	--
Silver	7440-22-4	0.05	mg/l	< 0.010 U	< 0.010 U	--	**0.0058 J**	< 0.010 U	--
Sodium	7440-23-5	20	mg/l	**42**	**48**	**62.7**	**63**	**65**	**15.9**
Thallium	7440-28-0	0.0005	mg/l	< 0.050 U	< 0.050 U	--	< 0.050 U	< 0.050 U	--
Vanadium	7440-62-2	--	mg/l	**0.027**	**0.0080 J**	--	**0.0040 J**	**0.0067 J**	--
Zinc	7440-66-6	2	mg/l	**0.063**	**0.12 B**	--	< 0.010 U	**0.0068 BJ**	--
Field Parameters									
pH	--	6-8	su	7.36	7.53	6.61	6.21	6.75	7.5
Conductivity	--		uS/cm	0.716	0.724	0.64	0.796	0.805	0.57
Disoslved Oxygen	--		mg/L	2.2	1.07	0	1.18	0.77	0.19
Temperature	--		°C	14.66	19.18	12.14	15.07	20.98	12.03
Turbidity	--		NTU	151	7.2	6.8	0	0	17.9
Oxidation Reduction Potential	--		mV	52	37	67	96	123	-93

Qualifiers

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D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Not analyzed

su - standard units

uS/cm - microSiemens per centimeter

mg/L - milligram per liger

°C - degrees celcius

NTU - nephelometric turbidity unit

mV - millivolt

Notes:

VOCs/SVOC data shown are those which exceeded standards at least once during baseline and post-injection monitoring. All metals are presented.

Bolded indicate detections. Shaded cells indicate concentrations greater than Class GA standards (STD)

Notes and abbreviations on final page

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	DW-03	IW-01D	IW-01S	IW-02	MW-1	MW-1	MW-1D	MW-1D	MW-1DD	MW-1DD
		Lab Sample ID	480-127283-2	480-127327-11	480-127327-8	480-127327-3	480-127058-3	410-72643-8	480-127058-1	410-72643-4	480-127058-4	410-72643-7
		Sample Date	11/8/2017	11/6/2017	11/7/2017	11/7/2017	11/2/2017	2/9/2022	11/2/2017	2/8/2022	11/2/2017	2/9/2022
Analyte	**CAS**	**Units**										
PFASs												
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	--	--	--	--	--	< 4.0 U	--	< 4.0 U	--	< 4.0 U
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	--	--	--	--	--	< 2.4 U	--	< 2.4 U	--	< 2.4 U
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	--	--	--	--	--	< 2.4 U	--	**0.86 J**	--	**0.62 J**
N-Methylperfluoroocatane sulfonamidoacetic acid	2355-31-9	ng/l	--	--	--	--	--	**0.57 J**	--	**1.9**	--	< 1.6 U
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**67**	**13**	**7.0**	**28**	**19**	**9.2**	**16**	**7.2**	**6.5**	**2.7**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**120 J**	**37**	**29 J**	**75 J**	**17**	**14**	**15**	**9.0**	**8.4**	**7.8**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 1.9 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	**7.1**	**13**	**2.4**	**10**	**13**	**0.47 J**	**4.7**	**1.2 J**	**1.5 J**	**0.97 J**
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 1.9 U	**0.67 J**	< 2.0 U	< 2.0 U	**0.65 J**	< 1.6 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	**7.4**	**1.3 J**	**1.4 J**	**2.1**	**3.7**	**0.58 J**	**1.4 J**	**0.80 J**	**1.6 J**	**1.5 J**
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**24**	**15**	**8.7**	**18**	**30**	**10**	**17**	**6.8**	**12**	**8.4**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**21 B**	**6.8 B**	**8.3 B**	**7.2 B**	**11 B**	**5.4**	**7.7 B**	**3.9**	**7.3 B**	**5.4**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**29**	**21**	**9.0**	**24**	**36**	**13**	**24**	**6.9**	**12**	**7.9**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**11 B**	**6.2**	**3.7**	**8.5**	**14**	**1.7**	**7.0**	**2.0**	**2.7**	**2.1**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	**2.3**	**1.7 JB**	**1.4 JB**	**1.0 JB**	**1.7**	< 1.6 U	**0.99 J**	**0.68 J**	**0.92 J**	**5.1**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**550**	**130**	**110**	**190**	**230**	**26**	**100**	**67**	**94**	**130 E**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**100**	**47**	**43**	**56**	**86**	**29**	**52**	**34**	**65**	**71**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**23**	**18**	**8.0**	**25**	**35**	**13**	**25**	**11**	**10**	**8.0**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	**0.57 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 1.9 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 1.9 U	**1.2 J**	< 2.0 U	< 2.0 U	**1.1 J**	< 1.6 U	< 1.7 U	< 1.6 U	< 1.7 U	< 1.6 U

Qualifiers

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

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-- - Not analyzed

E - exceeded calibration range.

MW-7 was replaced by MW-7S during 2022 remedial activities.

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	MW-10D	MW-10S	MW-11	MW-11	MW-13	MW-14R	MW-15R	MW-16R	MW-17R	MW-18
		Lab Sample ID	480-127162-3	480-127162-1	480-127162-6	410-73073-3	480-127327-5	480-127283-5	480-127283-6	480-126962-2	480-126962-1	480-127162-4
		Sample Date	11/6/2017	11/6/2017	11/6/2017	2/14/2022	11/7/2017	11/8/2017	11/8/2017	11/1/2017	11/1/2017	11/6/2017
Analyte	**CAS**	**Units**										
PFASs												
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	--	--	--	< 4.5 U	--	--	--	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	--	--	--	< 2.7 U	--	--	--	--	--	--
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	--	--	--	**14**	--	--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid	2355-31-9	ng/l	--	--	--	**25**	--	--	--	--	--	--
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**6.5**	**9.8**	**14**	**13 J+**	**62**	**190**	**40**	**220**	**91 J**	**15**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**32 J**	**21**	**450 J**	**21**	**71 J**	**410 J**	**70 J**	**17**	**72**	**20**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 2.0 U	< 2.1 U	< 2.0 U	< 1.8 U	< 2.0 U	< 2.0 U	**3.9**	< 1.9 U	< 1.8 U	< 2.0 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	**1.2 J**	**9.5**	**6.9**	**6.5**	**28**	**3.5**	**26**	**23**	**13**	**12**
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 2.0 U	< 2.1 U	< 2.0 U	< 1.8 U	**1.8 J**	< 2.0 U	**5.5**	< 1.9 U	< 1.8 U	< 2.0 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	**0.92 J**	**1.2 J**	**13**	**19**	**2.3**	**15**	**4.6**	**6.7**	**7.1**	**1.3 J**
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**7.4**	**13**	**16**	**25**	**39**	**25**	**29**	**96**	**51**	**17**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**6.5 B**	**7.3 B**	**28 B**	**41**	**9.4 B**	**52 B**	**14 B**	**19 B**	**20 B**	**6.8 B**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**11**	**15**	**18**	**36**	**61**	**25**	**29**	**110**	**61**	**23**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**2.2**	**5.0**	**26**	**35**	**17**	**10 B**	**12 B**	**22**	**19**	**7.5**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	**0.66 J**	**1.1 J**	**1.2 J**	**3.1**	**3.3 B**	**0.89 J**	**12**	**3.0**	**6.3**	**0.81 J**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**75**	**120**	**1800**	**2000 E**	**230**	**1200**	**380**	**320**	**450**	**150**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**31**	**38**	**120**	**190 E**	**96**	**130**	**100**	**190**	**150**	**49**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**5.6**	**14**	< 2.0 U	**53**	**57**	**7.2**	**28**	**130**	**61**	**24**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	< 2.0 U	< 2.1 U	< 2.0 U	< 1.8 U	< 2.0 U	< 2.0 U	< 1.9 U	< 1.9 U	< 1.8 U	< 2.0 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 2.0 U	< 2.1 U	< 2.0 U	< 1.8 U	< 2.0 U	< 2.0 U	< 1.9 U	< 1.9 U	< 1.8 U	< 2.0 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 2.0 U	**1.1 J**	< 2.0 U	**8.8**	**2.4**	< 2.0 U	**8.0**	**1.8 J**	< 1.8 U	**1.3 J**

Qualifiers

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B - analyte was identified in associated blank.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

-- - Not analyzed

E - exceeded calibration range.

MW-7 was replaced by MW-7S during 2022 remedial activities.

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	MW-19	MW-2	MW-21D	MW-21D	MW-21S	MW-21S	MW-22RD	MW-22RD	MW-22-R-S	MW-22-R-S
		Lab Sample ID	480-126962-3	480-127283-4	480-127327-7	410-72246-2	480-127094-2	410-72246-1	480-127094-1	410-72581-1	480-127058-6	410-72246-4
		Sample Date	11/1/2017	11/8/2017	11/7/2017	2/7/2022	11/3/2017	2/7/2022	11/3/2017	2/8/2022	11/2/2017	2/7/2022
Analyte	**CAS**	**Units**										
PFASs												
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	--	--	--	< 50 U	--	< 4.6 U	--	< 50 U	--	< 50 U
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	--	--	--	< 30 U	--	< 2.7 U	--	< 30 U	--	< 30 U
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	--	--	--	< 30 U	--	**0.76 J**	--	< 30 U	--	**5.4 J**
N-Methylperfluorooctane sulfonamidoacetic acid	2355-31-9	ng/l	--	--	--	< 20 U	--	**2.2**	--	< 20 U	--	**8.8 J**
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**11**	**1.1 J**	**5.8**	**9.2 J**	**35**	**26**	**7.4**	**9.3 J**	**5.7**	**7.7 J**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**4.1**	**2.5 J**	**29**	< 50 U	**26**	**24**	**20**	< 50 U	**18**	< 50 U
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 1.8 U	< 2.0 U	< 2.0 U	< 20 U	< 2.2 U	< 1.8 U	< 1.9 U	< 20 U	< 1.9 U	< 20 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	**0.76 J**	< 2.0 U	**1.9 J**	< 20 U	**87**	**4.7**	**1.2 J**	< 20 U	**2.7**	< 20 U
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 1.8 U	< 2.0 U	< 2.0 U	< 20 U	**2.4**	**1.3 J**	< 1.9 U	< 20 U	< 1.9 U	< 20 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	**0.52 J**	< 2.0 U	**1.6 J**	< 20 U	**3.7**	**3.8**	**1.0 J**	< 20 U	**1.9**	< 20 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**3.0**	**1.9 J**	**18**	**16 J**	**48**	**45**	**8.2**	**8.2 J**	**9.5**	**11 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**3.6 B**	**1.4 JB**	**8.0 B**	**8.5 J**	**8.8 B**	**19**	**6.1 B**	**7.1 J**	**6.8 B**	**7.2 J**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**3.5**	**2.2**	**24**	**22**	**66**	**58**	**10**	**12 J**	**14**	**15 J**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**0.77 J**	**1.1 JB**	**4.9**	**6.0 J**	**29**	**13**	**3.0**	< 20 U	**5.6**	< 20 U
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	< 1.8 U	< 2.0 U	**1.8 JB**	< 20 U	**4.5 B**	**0.49 J**	**1.1 JB**	< 20 U	**0.83 J**	< 20 U
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**17**	**15**	**110**	**85**	**480**	**160 E**	**86**	**79**	**140**	**97**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**7.0**	**6.8**	**59**	**58**	**110**	**130 E**	**42**	**29**	**36**	**41**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**4.5**	**2.5**	**17**	**17 J**	**74**	**41**	**17**	**7.0 J**	**16**	**8.3 J**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	< 1.8 U	**0.60 J**	< 2.0 U	< 20 U	< 2.2 U	< 1.8 U	< 1.9 U	< 20 U	< 1.9 U	< 20 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 1.8 U	< 2.0 U	< 2.0 U	< 20 U	< 2.2 U	< 1.8 U	< 1.9 U	< 20 U	< 1.9 U	< 20 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 1.8 U	< 2.0 U	< 2.0 U	< 20 U	**7.6**	**0.73 J**	< 1.9 U	< 20 U	< 1.9 U	< 20 U

Qualifiers

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D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

-- - Not analyzed

E - exceeded calibration range.

MW-7 was replaced by MW-7S during 2022 remedial activities.

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	MW-235	MW-23D	MW-23D	MW-23S	MW-23S	MW-25D	MW-25RD	MW-25S	MW-25S	MW-26
		Lab Sample ID	320-29734-4	480-126895-5	410-72643-6	480-126895-6	410-72643-5	480-127283-7	410-72581-2	480-127327-10	410-72246-3	480-127327-9
		Sample Date	7/6/2017	10/31/2017	2/9/2022	10/31/2017	2/9/2022	11/7/2017	2/8/2022	11/7/2017	2/7/2022	11/7/2017
Analyte	**CAS**	**Units**										
PFASs												
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	--	--	< 4.2 U	--	< 4.3 U	--	< 50 U	--	< 4.6 U	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	--	--	< 2.5 U	--	< 2.6 U	--	< 30 U	--	< 2.7 U	--
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	--	--	< 2.5 U	--	**0.55 J**	--	< 30 U	--	< 2.7 U	--
N-Methylperfluoroocatane sulfonamidoacetic acid	2355-31-9	ng/l	--	--	< 1.7 U	--	**2.3**	--	< 20 U	--	**0.99 J**	--
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**2.9**	**19**	**13**	**22**	**10**	**9.7**	**7.6 J**	**14**	**14**	**28 J**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**3.9**	**20 B**	**16**	**14**	**7.6**	**33 J**	< 50 U	**91 J**	**14**	**150 J**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 1.9 U	< 1.9 U	< 1.7 U	< 2.0 U	< 1.7 U	< 2.0 U	< 20 U	< 8.0 U	< 1.8 U	< 2.0 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	**1.5 J**	**7.7**	**7.1**	**4.7**	**1.9**	**2.4**	< 20 U	**3.7 J**	**1.0 J**	**2.7**
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 1.9 U	< 1.9 U	< 1.7 U	< 2.0 U	< 1.7 U	< 2.0 U	< 20 U	< 8.0 U	< 1.8 U	< 2.0 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	< 1.9 U	**2.0**	**1.4 J**	**1.6 J**	**0.49 J**	**1.1 J**	< 20 U	**4.5 J**	**1.5 J**	**4.7**
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**2.9**	**17**	**11**	**16**	**5.7**	**11**	**8.8 J**	**29**	**17**	**8.8**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**1.6 J**	**8.4 B**	**6.9**	**11 B**	**3.7**	**6.3 B**	**7.2 J**	**20 B**	**10**	**8.4 B**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**0.92 J**	**19**	**10**	**24**	**6.1**	**15**	**13 J**	**38**	**19**	**9.7**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**3.2**	**8.8**	**5.1**	**5.5**	**1.8**	**3.4 B**	< 20 U	**14**	**3.4**	**3.8**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	< 39 U	**1.2 JB**	**1.2 J**	**1.1 JB**	**0.79 J**	< 2.0 U	< 20 U	**3.5 JB**	< 1.8 U	**1.6 JB**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**63**	**130 B**	**95**	**94**	**47**	**100**	**97**	**350**	**55**	**380**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**8.5**	**65**	**47**	**51**	**15**	**34**	**35**	**140**	**55**	**33**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**1.4 J**	**20**	**9.9**	**26**	**6.9**	**11**	**8.0 J**	**31**	**15**	**7.7**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	< 1.9 U	< 1.9 U	< 1.7 U	< 2.0 U	< 1.7 U	< 2.0 U	< 20 U	< 8.0 U	< 1.8 U	< 2.0 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 1.9 U	< 1.9 U	< 1.7 U	**1.6 J**	< 1.7 U	< 2.0 U	< 20 U	< 8.0 U	< 1.8 U	< 2.0 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 1.9 U	< 1.9 U	**0.98 J**	**1.1 J**	**0.63 J**	< 2.0 U	< 20 U	< 8.0 U	< 1.8 U	< 2.0 U

Qualifiers

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

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B - analyte was identified in associated blank.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

-- - Not analyzed

E - exceeded calibration range.

MW-7 was replaced by MW-7S during 2022 remedial activities.

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	MW-27	MW-27	MW-28	MW-29	MW-3	MW-3	MW-30D	MW-30S	MW-4R	MW-4R
		Lab Sample ID	480-127327-4	480-127327-2	480-127327-1	480-127283-3	480-127327-6	410-73073-1	410-72643-1	410-72643-2	480-127058-2	410-73073-2
		Sample Date	11/7/2017	11/7/2017	11/7/2017	11/8/2017	11/7/2017	2/14/2022	2/8/2022	2/8/2022	11/2/2017	2/14/2022
Analyte	**CAS**	**Units**										
PFASs												
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	--	--	--	--	--	< 4.1 U	< 4.1 U	**13**	--	< 4.6 U
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	--	--	--	--	--	< 2.5 U	< 2.4 U	< 2.5 U	--	< 2.8 U
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	--	--	--	--	--	**0.51 J**	**2.1 J**	< 2.5 U	--	**0.72 J**
N-Methylperfluoroocatane sulfonamidoacetic acid	2355-31-9	ng/l	--	--	--	--	--	< 1.6 U	**3.4**	**0.55 J**	--	< 1.9 U
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**31 J**	**27**	**59 J**	**96**	**64**	**14 J+**	**4.8**	**1.4 J**	**2.8**	**1.6 J**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**430 J**	**410 J**	**96 J**	**490 J**	**38**	**17**	**7.1**	**8.6**	**6.4**	**6.4**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 2.0 U	< 2.0 U	< 2.0 U	< 1.9 U	< 2.0 U	< 1.6 U	< 1.6 U	< 1.7 U	< 2.0 U	< 1.9 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	**2.1**	**2.2**	**4.7**	**17**	**1.1 J**	**0.46 J**	**1.6**	**1.0 J**	**0.73 J**	**0.47 J**
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 2.0 U	< 2.0 U	< 2.0 U	< 1.9 U	< 2.0 U	< 1.6 U	< 1.6 U	< 1.7 U	< 2.0 U	< 1.9 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	**6.9**	**7.8**	**9.0**	**7.0**	**11**	**6.8**	**0.51 J**	< 1.7 U	**0.95 J**	< 1.9 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**20**	**20**	**20**	**55**	**51**	**28**	**4.6**	**4.1**	**5.1**	**3.0**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**23 B**	**21 B**	**31 B**	**28 B**	**36 B**	**28**	**3.6**	**1.5 J**	**5.8 B**	**1.9**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**18**	**17**	**24**	**57**	**43**	**29**	**5.3**	**4.8**	**6.3**	**4.6**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**3.7**	**3.6**	**5.4**	**16 B**	**8.1**	**6.2**	**1.7**	**2.7**	**1.8 J**	**0.58 J**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	**0.55 JB**	**0.52 JB**	**0.54 JB**	**6.8**	**59 B**	**28**	**1.0 J**	**1.1 J**	**0.39 J**	< 1.9 U
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**450**	**450**	**600**	**590**	**310**	**260 E**	**48**	**27**	**56**	**24**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**84**	**86**	**77**	**180**	**310**	**190 E**	**18**	**15**	**25**	**9.9**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**15**	**14**	**16**	**41**	**42**	**22**	**5.4**	**6.9**	**5.0**	**2.9**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	< 2.0 U	< 2.0 U	< 2.0 U	< 1.9 U	< 2.0 U	< 1.6 U	< 1.6 U	< 1.7 U	< 2.0 U	< 1.9 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 2.0 U	< 2.0 U	< 2.0 U	< 1.9 U	< 2.0 U	< 1.6 U	< 1.6 U	< 1.7 U	< 2.0 U	< 1.9 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 2.0 U	< 2.0 U	< 2.0 U	< 1.9 U	< 2.0 U	< 1.6 U	< 1.6 U	< 1.7 U	< 2.0 U	< 1.9 U

Qualifiers

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

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

B - analyte was identified in associated blank.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

-- - Not analyzed

E - exceeded calibration range.

MW-7 was replaced by MW-7S during 2022 remedial activities.

Table 4
PFAS Results Summary
New York State Department of Environmental Conservation
Crown Dykman Site No. 130054
Glen Cove, New York

		Location	MW-5R	MW-5R	MW-6R	MW-7	MW-7	MW-7S	MW-7D	MW-8	MW-8
		Lab Sample ID	410-72646-3	480-127162-2	480-127283-1	320-29734-3	480-126895-4	410-72646-1	410-72646-2	480-127162-5	410-72643-3
		Sample Date	2/10/2022	11/6/2017	11/7/2017	7/6/2017	10/31/2017	2/10/2022	2/10/2022	11/6/2017	2/8/2022
Analyte	**CAS**	**Units**									
PFASs											
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	ng/l	< 4.0 U	--	--	--	--	< 4.0 U	< 4.1 U	--	< 49 U
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	ng/l	< 2.4 U	--	--	--	--	< 2.4 U	< 2.5 U	--	< 30 U
N-Ethyl perfluorooctane sulfonamidoacetic acid (E	2991-50-6	ng/l	< 2.4 U	--	--	--	--	**6.7**	**0.54 J**	--	**19 J**
N-Methylperfluorooctane sulfonamidoacetic acid	2355-31-9	ng/l	< 1.6 U	--	--	--	--	**5.9**	**0.97 J**	--	**11 J**
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/l	**110 E**	**53**	**140**	**47**	**26**	**21**	**2.4**	**13**	**8.6 J**
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	**76**	**28**	**170 J**	**18**	**14 B**	**34**	**6.9**	**190 J**	**50**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/l	< 1.6 U	< 2.1 U	**0.31 J**	< 2.0 U	< 2.0 U	< 1.6 U	< 1.6 U	< 2.1 U	< 20 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	< 1.6 U	**0.55 J**	**15**	**11**	**6.5**	**4.5**	**3.3**	**6.7**	**6.1 J**
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	< 1.6 U	< 2.1 U	< 1.9 U	< 2.0 U	< 2.0 U	< 1.6 U	< 1.6 U	< 2.1 U	< 20 U
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/l	**3.6**	**2.1**	**6.9**	**4.7**	**2.0**	**3.9**	**0.44 J**	**13**	**12 J**
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	**83**	**44**	**60**	**24**	**20**	**21**	**5.3**	**13**	**15 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/l	**25**	**25 B**	**23 B**	**18**	**9.5 B**	**16**	**4.2**	**20 B**	**18 J**
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	**92**	**41**	**61**	**31**	**23**	**22**	**5.9**	**13**	**17 J**
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	**6.2**	**5.8**	**17 B**	**11**	**6.3**	**6.9**	**4.5**	**16**	**15 J**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/l	< 1.6 U	< 2.1 U	**6.1**	**1.2 JB**	**0.51 JB**	**2.9**	**1.3 J**	**3.9**	< 20 U
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/l	**49**	**52**	**510**	**260**	**150 B**	**290**	**60**	**1700**	**1200 E**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	**170 E**	**120**	**150**	**76**	**60**	**84**	**26**	**93**	**69**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	**100 E**	**30**	**62**	**32**	**25**	**28**	**6.8**	< 2.1 U	**44**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	< 1.6 U	< 2.1 U	< 1.9 U	< 2.0 U	< 2.0 U	< 1.6 U	< 1.6 U	< 2.1 U	< 20 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	< 1.6 U	< 2.1 U	< 1.9 U	< 2.0 U	< 2.0 U	< 1.6 U	< 1.6 U	< 2.1 U	< 20 U
Perfluoroundecanoic acid (PFUdA)	2058-94-8	ng/l	< 1.6 U	**1.6 J**	**1.2 J**	< 2.0 U	< 2.0 U	**1.7**	**1.2 J**	< 2.1 U	< 20 U

Qualifiers

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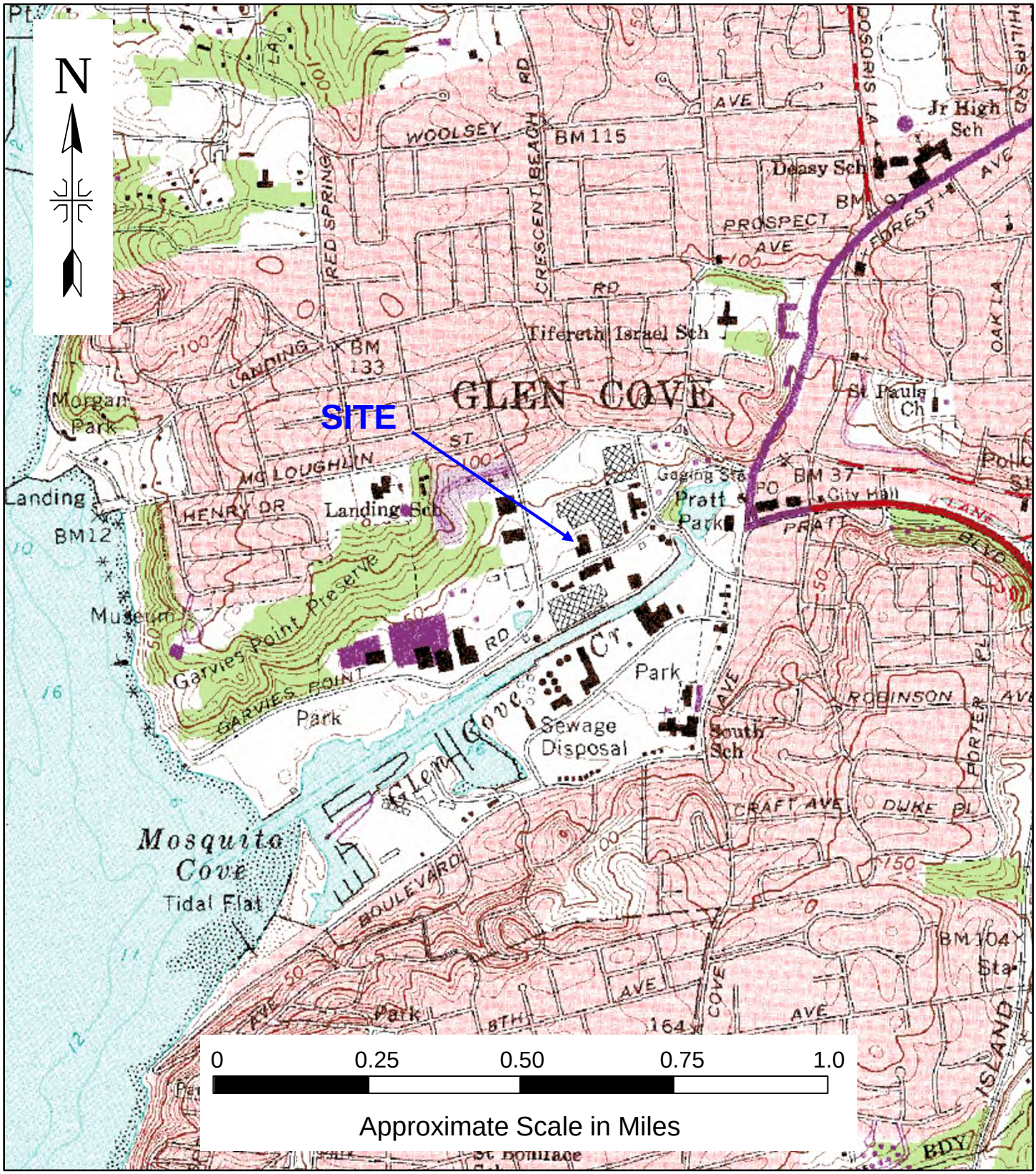
MW-7 was replaced by MW-7S during 2022 remedial activities.

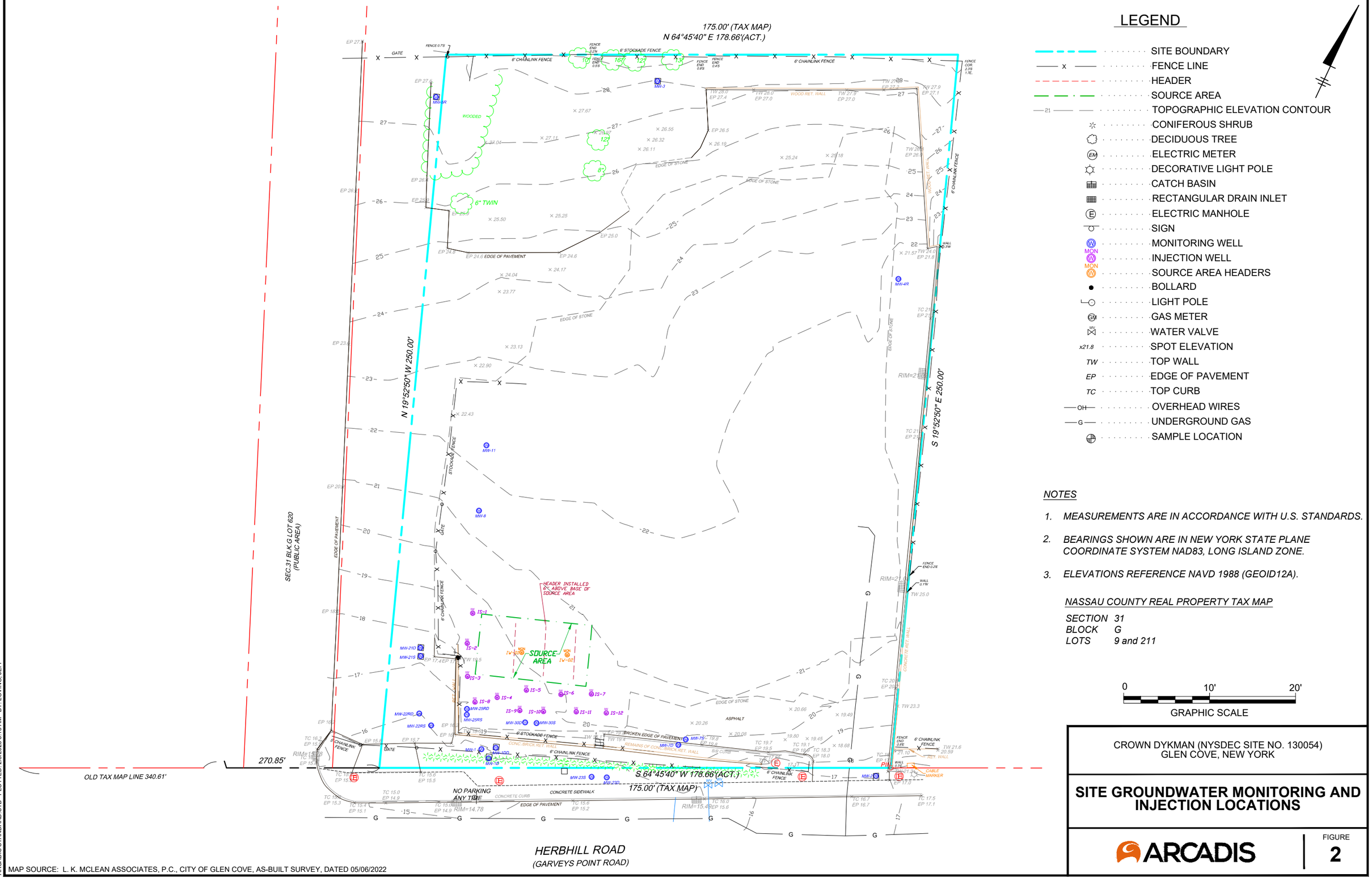
Figures

ARCADIS

FIGURE 1
SITE LOCATION

CROWN DYKMAN (NYSDEC SITE NO.130054)
GLEN COVE, NEW YORK





LEGEND

- SITE BOUNDARY
- FENCE LINE
- HEADER
- SOURCE AREA
- TOPOGRAPHIC ELEVATION CONTOUR
- CONIFEROUS SHRUB
- DECIDUOUS TREE
- ELECTRIC METER
- DECORATIVE LIGHT POLE
- CATCH BASIN
- RECTANGULAR DRAIN INLET
- ELECTRIC MANHOLE
- SIGN
- MONITORING WELL
- INJECTION WELL
- SOURCE AREA HEADERS
- BOLLARD
- LIGHT POLE
- GAS METER
- WATER VALVE
- SPOT ELEVATION
- TOP WALL
- EDGE OF PAVEMENT
- TOP CURB
- OVERHEAD WIRES
- UNDERGROUND GAS
- SAMPLE LOCATION

NOTES

1. MEASUREMENTS ARE IN ACCORDANCE WITH U.S. STANDARDS.
2. BEARINGS SHOWN ARE IN NEW YORK STATE PLANE COORDINATE SYSTEM NAD83, LONG ISLAND ZONE.
3. ELEVATIONS REFERENCE NAVD 1988 (GEOID12A).

NASSAU COUNTY REAL PROPERTY TAX MAP

SECTION	31
BLOCK	G
LOTS	9 and 211

0 10' 20'

GRAPHIC SCALE

CROWN DYKMAN (NYSDEC SITE NO. 130054)
GLEN COVE, NEW YORK

SITE GROUNDWATER MONITORING AND INJECTION LOCATIONS

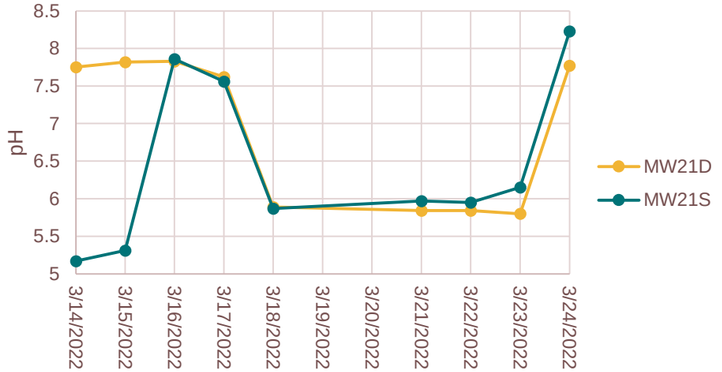
ARCADIS

FIGURE 2

MAP SOURCE: L. K. MCLEAN ASSOCIATES, P.C., CITY OF GLEN COVE, AS-BUILT SURVEY, DATED 05/06/2022

CITY:;CITY DIV/GROUP:ENVCAD DB:ENVCAD
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ARCADIS STANDARD.STB PLOTTED: 2/8/2023 8:13 AM BY: LOVING, JEFF

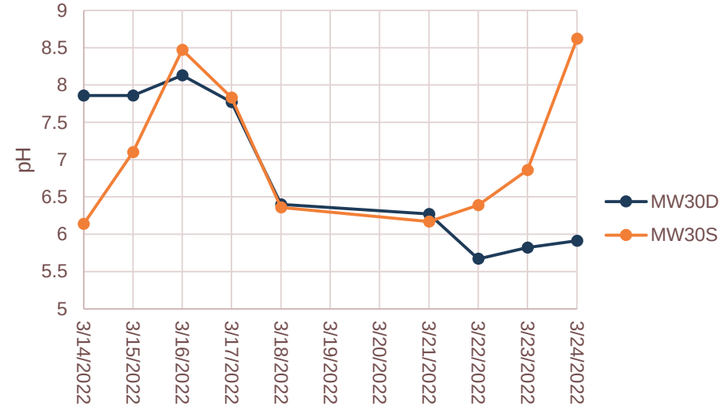


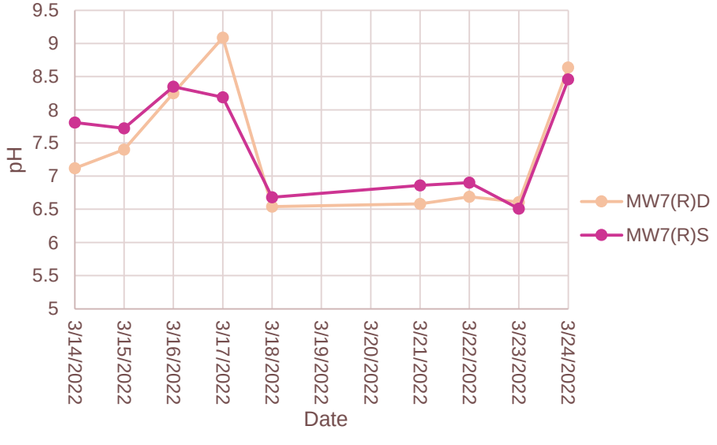












Notes:

pH presented in standard units.

Field parameters collected at monitoring wells during March 2022 injection activities.

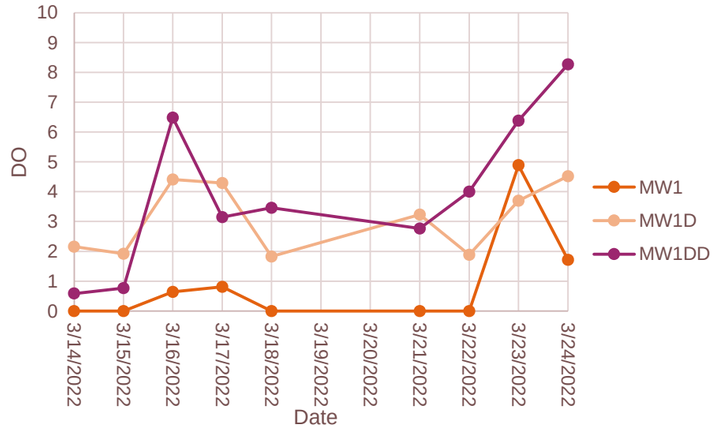
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

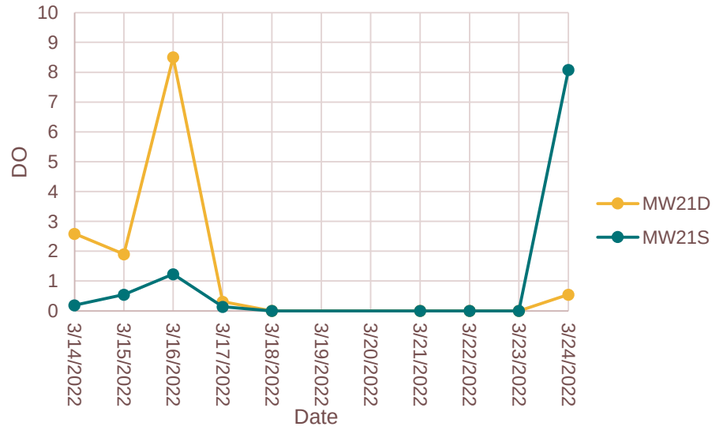
INJECTION MONITORING - PH

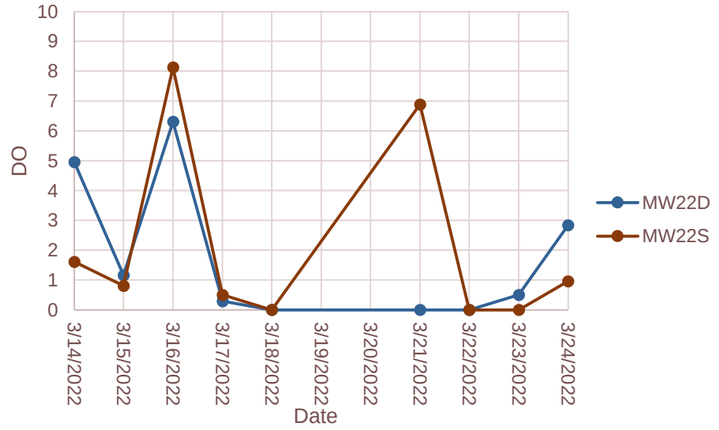
ARCADIS

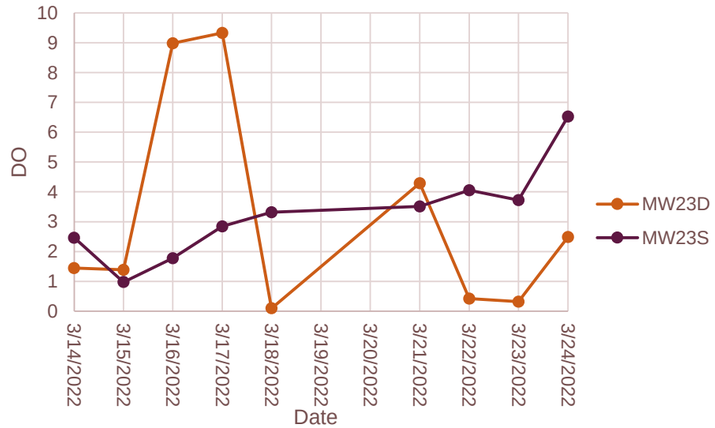
FIGURE
3A

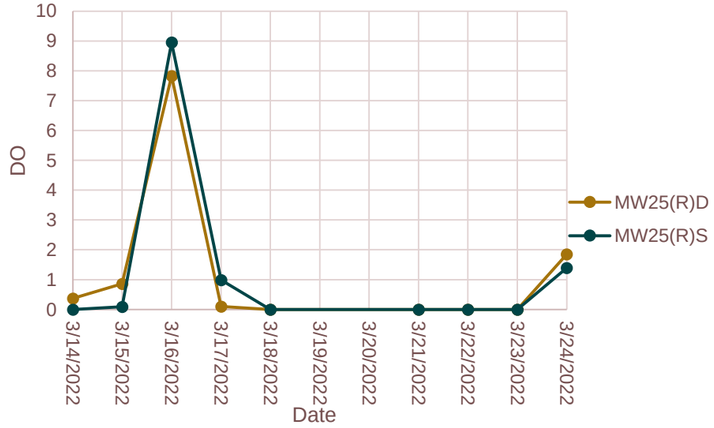
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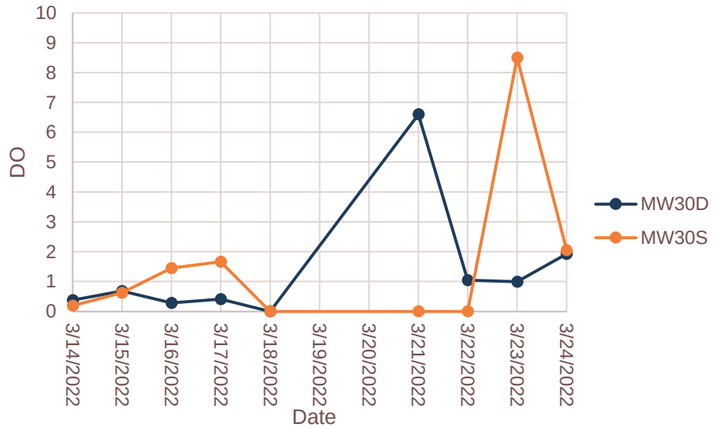


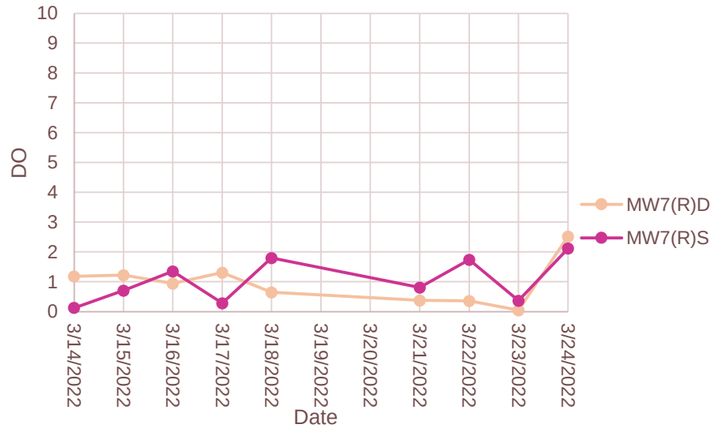












Notes:

Dissolved oxygen (DO) units presented in milligrams per liter.

Field parameters collected at monitoring wells during March 2022 injection activities.

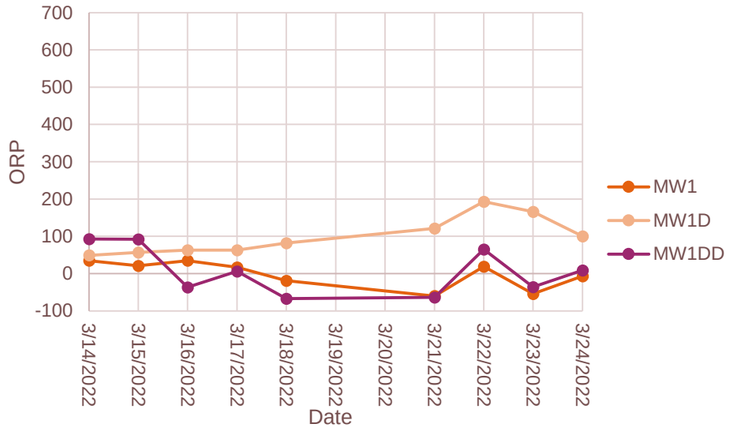
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

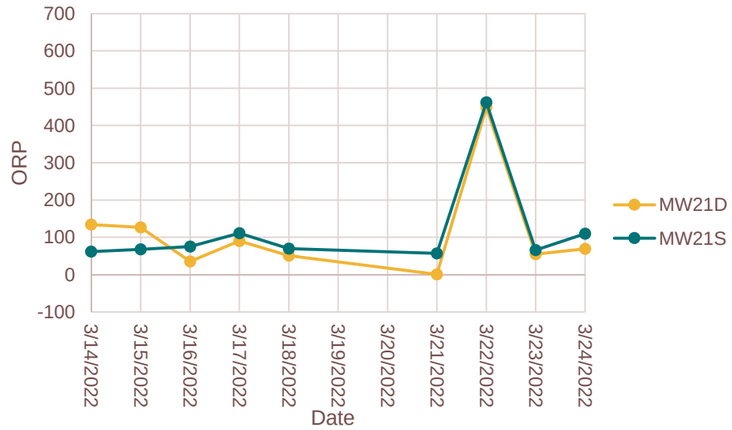
INJECTION MONITORING - DO

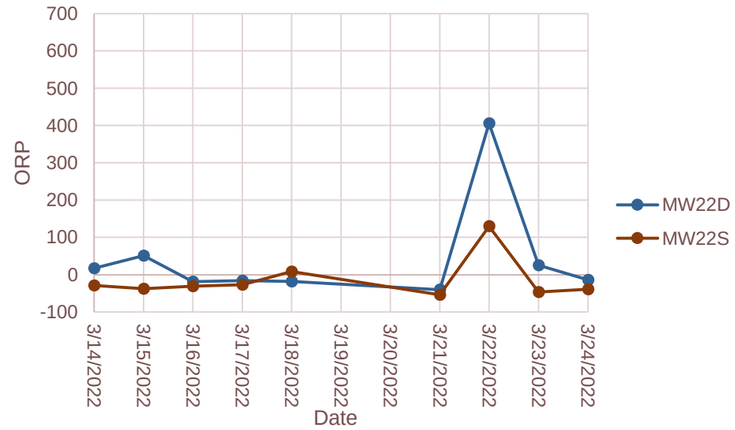
ARCADIS

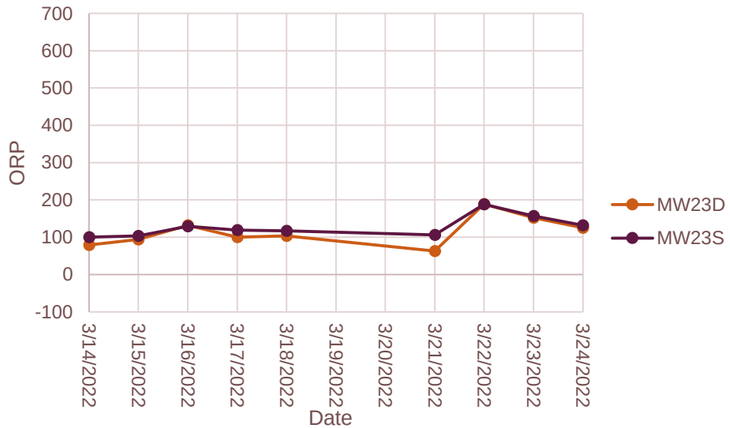
FIGURE
3B

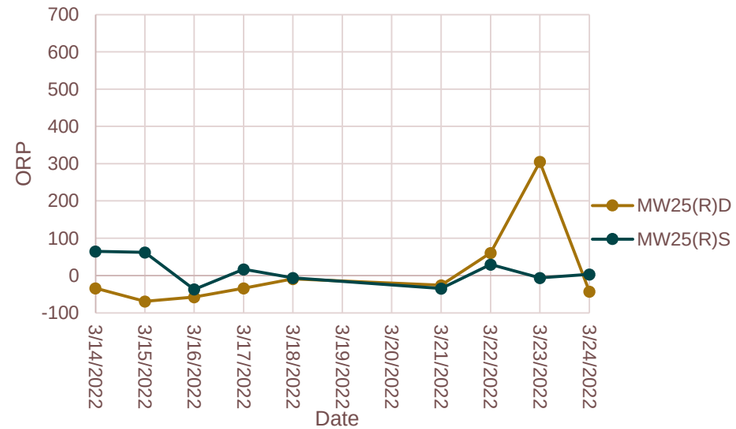
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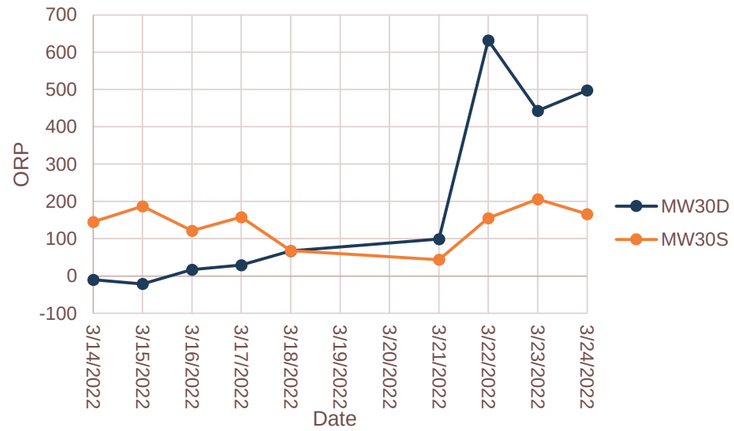


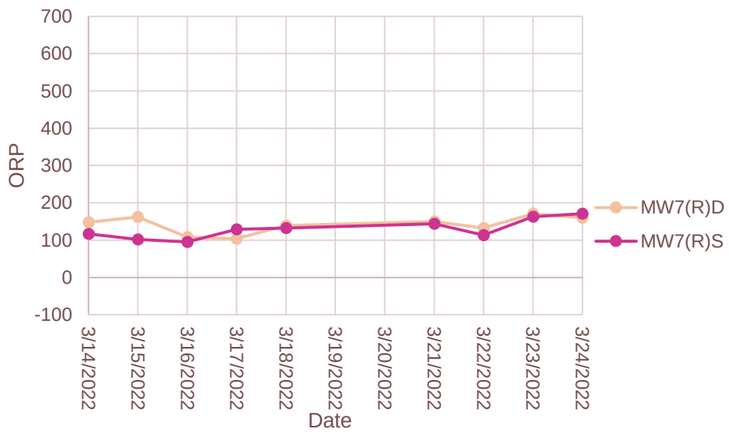












Notes:

Oxidation Reduction Potential (ORP) units presented in millivolts.

Field parameters collected at monitoring wells during March 2022 injection activities.

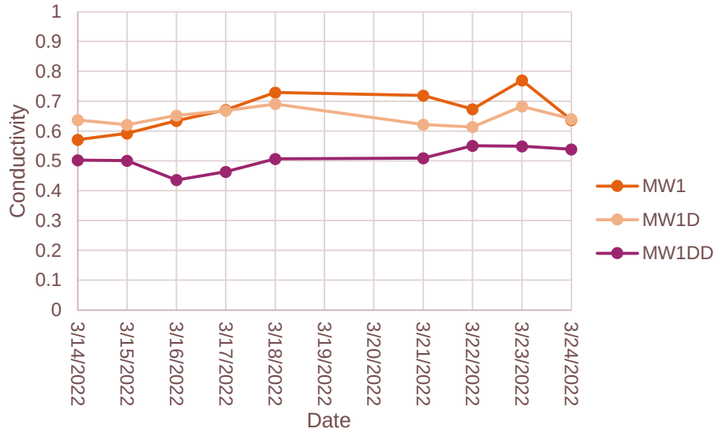
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

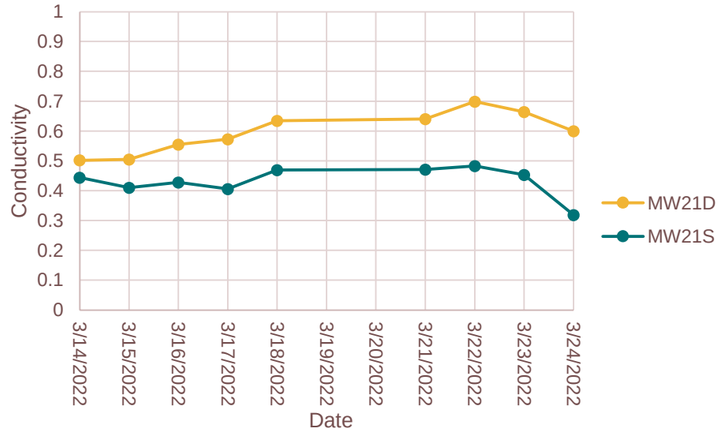
INJECTION MONITORING - ORP

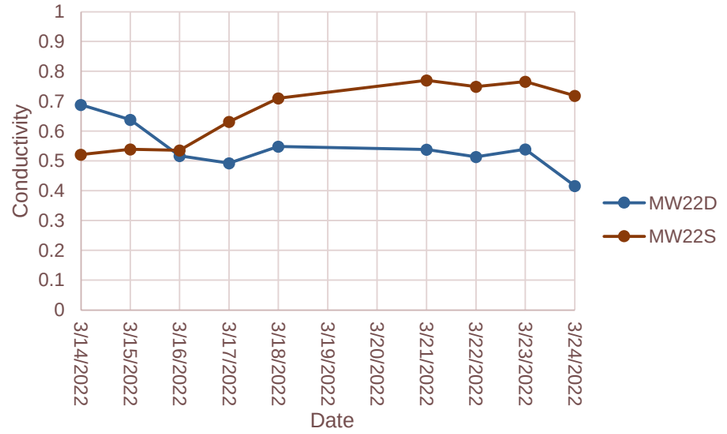
ARCADIS

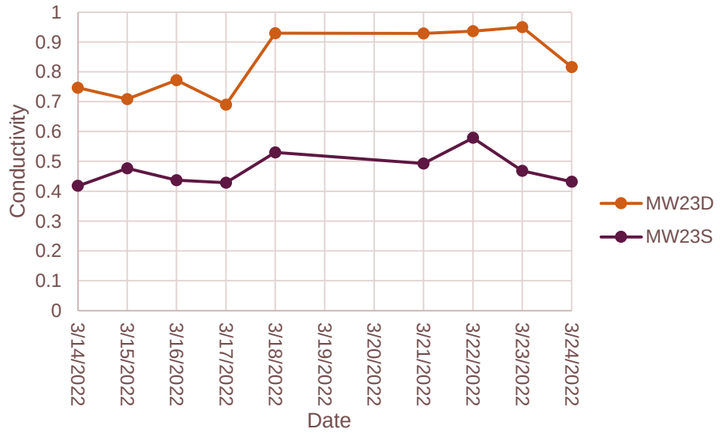
FIGURE
3C

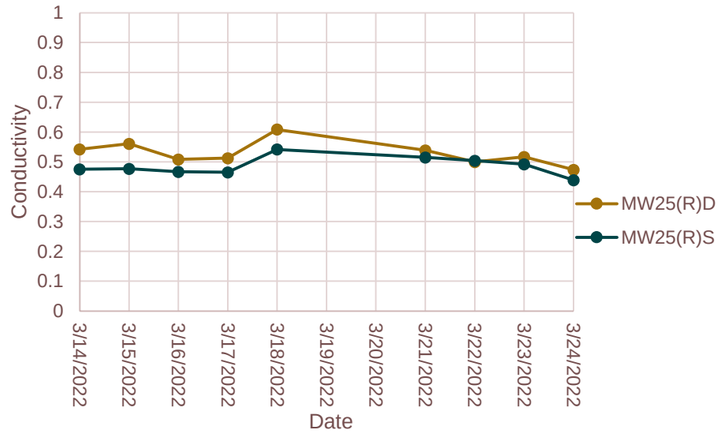
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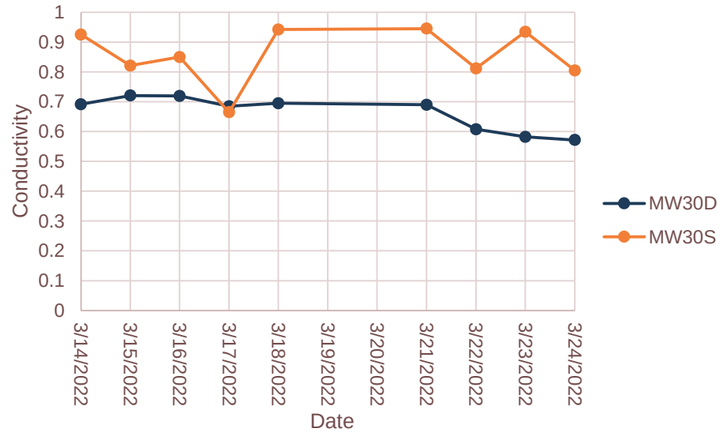


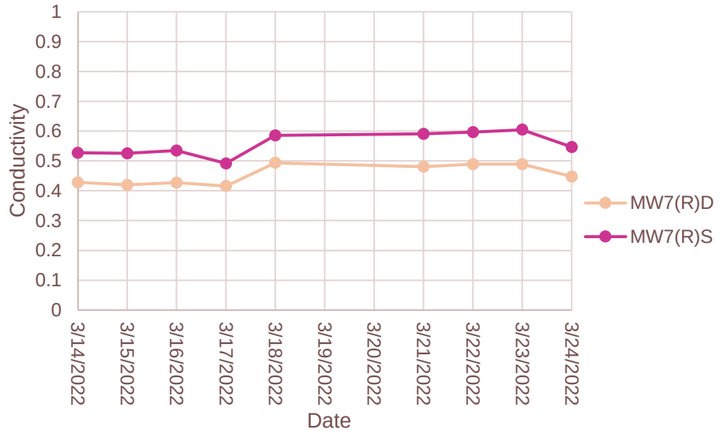












Notes:

Conductivity units presented in milliSiemens per centimeter.

Field parameters collected at monitoring wells during March 2022 injection activities.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

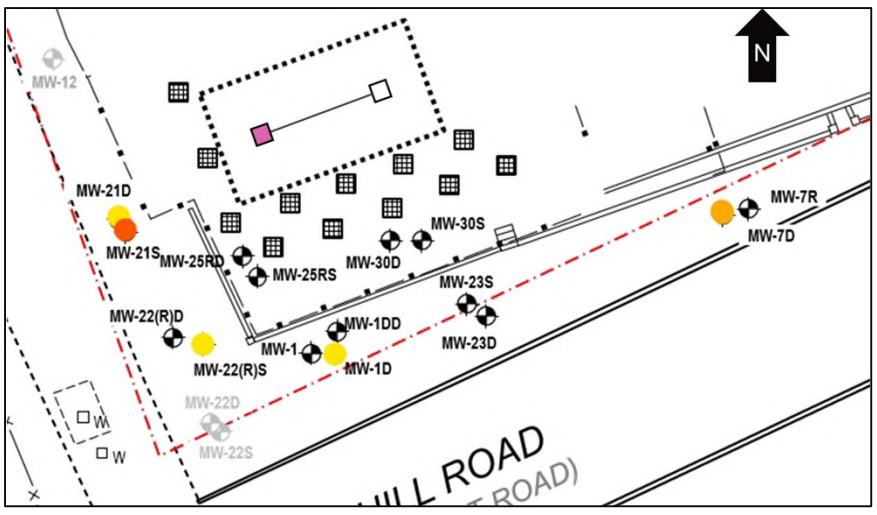
INJECTION MONITORING - CONDUCTIVITY

ARCADIS

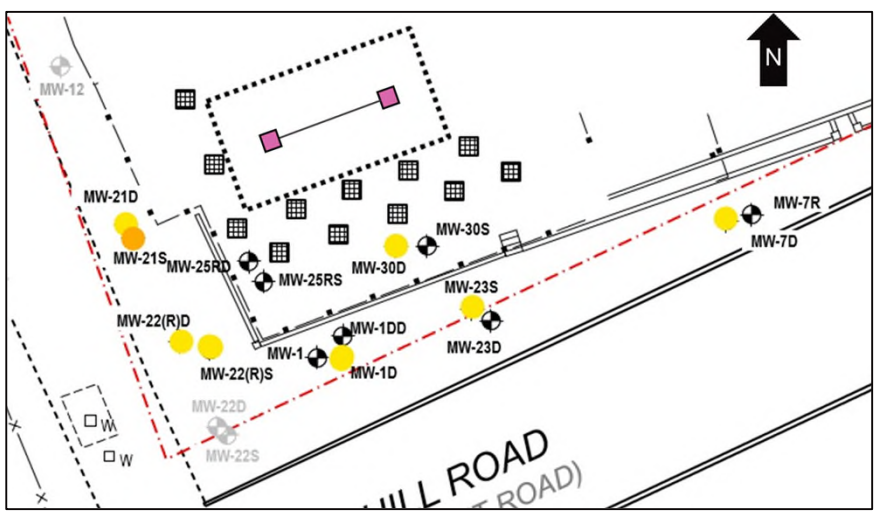
FIGURE
3D

12/22/2022 1:16:34 PM

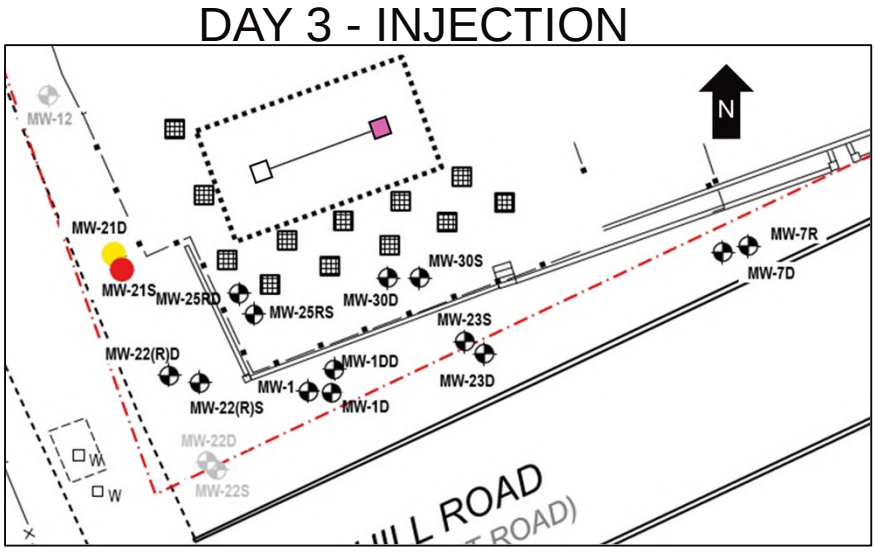
DAY 1 - INJECTION



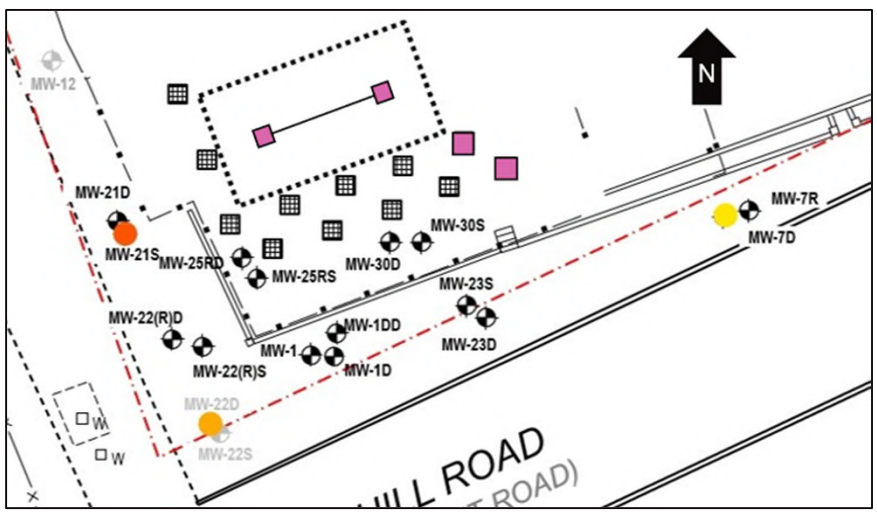
DAY 2 - INJECTION



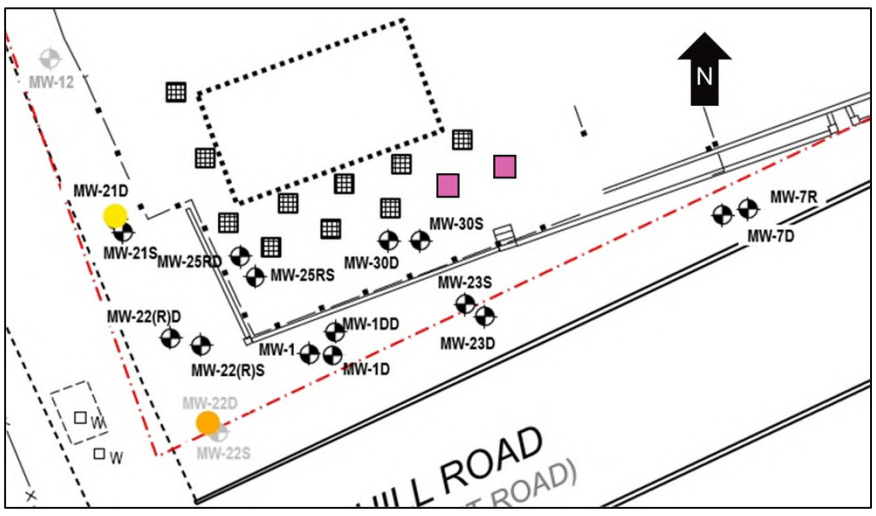
DAY 3 - INJECTION



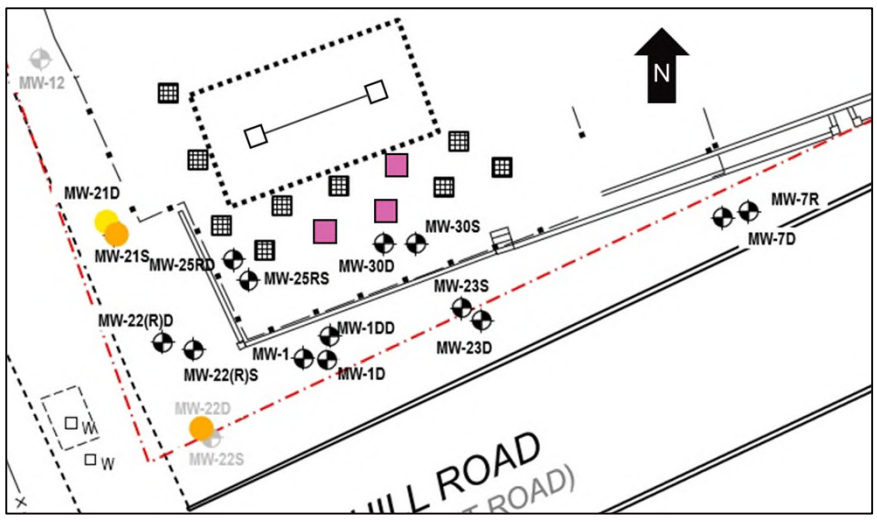
DAY 4 - INJECTION



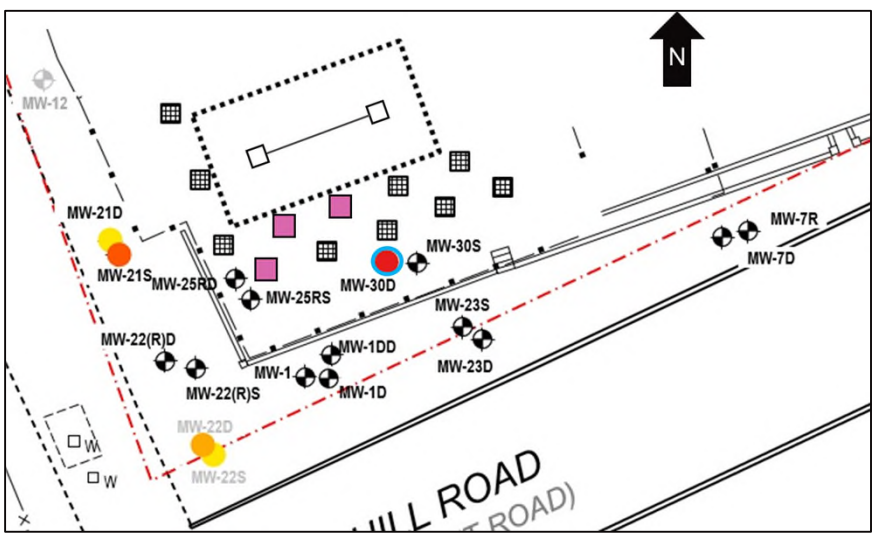
DAY 5 - INJECTION



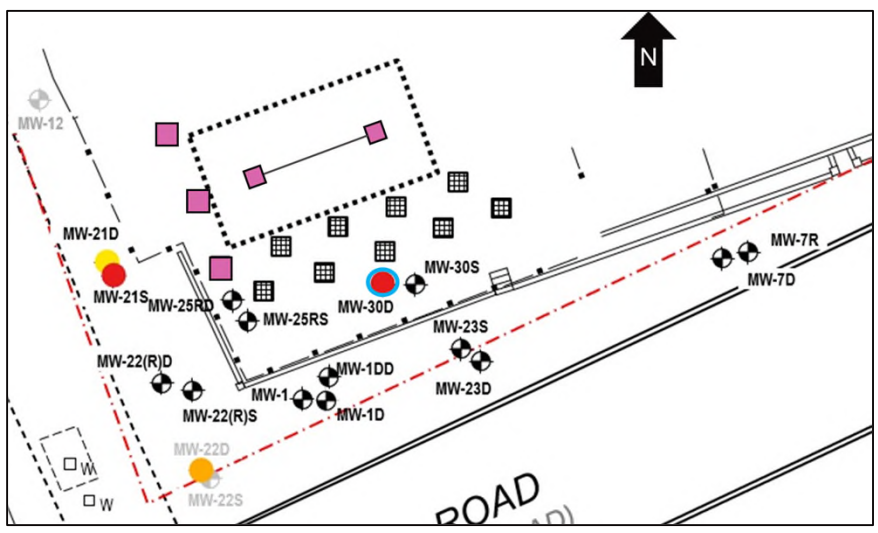
DAY 6 - INJECTION



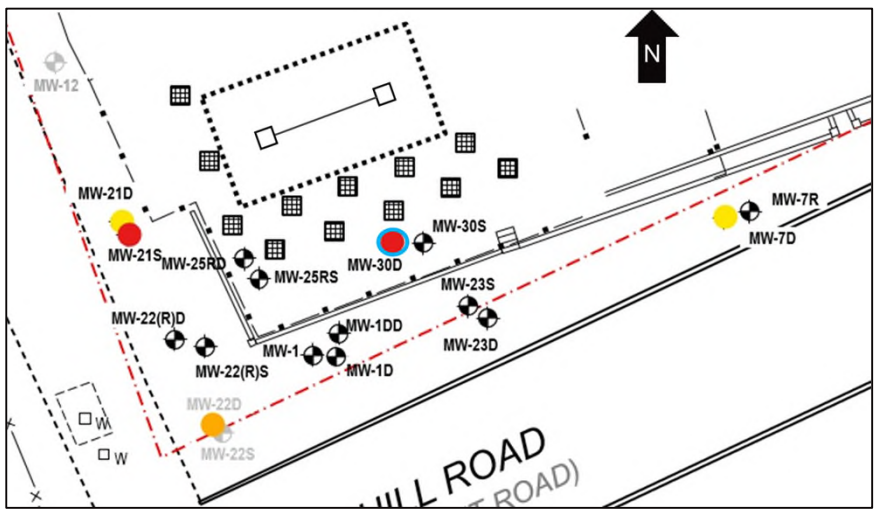
DAY 7 - INJECTION



DAY 8 - INJECTION



DAY 9 - INJECTION



Legend:

Manganese Concentration (mg/L):
- 0-.2
- .2-.4
- .4-.6
- .6-.8

Permanganate Visible

Injection Site

Note:

Injection site indicates which points had active injections each day.

Permanganate results measured using spectrophotometer.

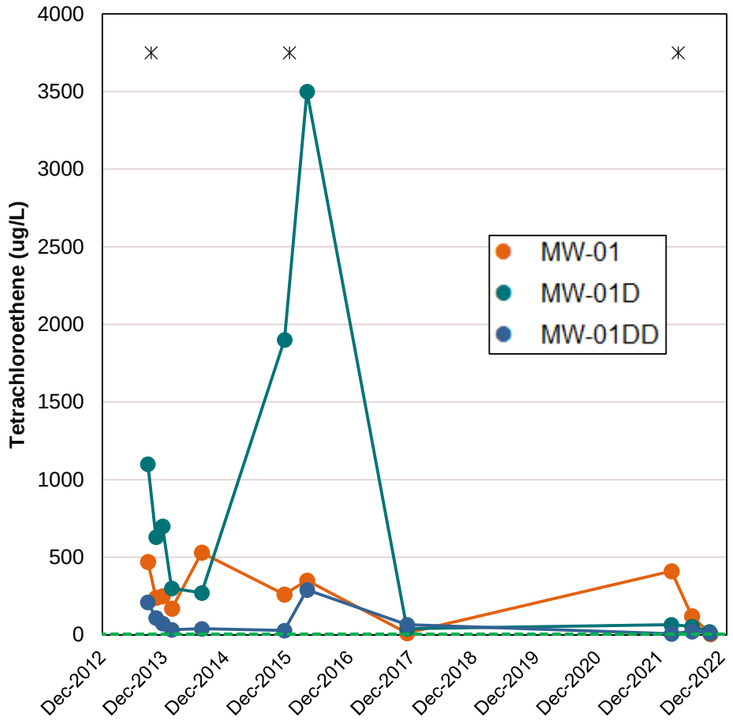
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

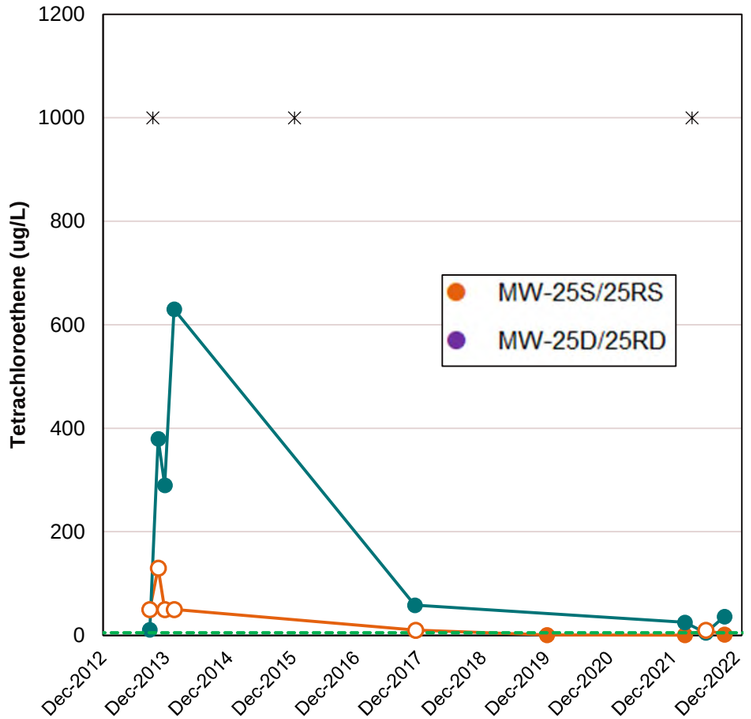
FIELD PERMANGANATE RESULTS

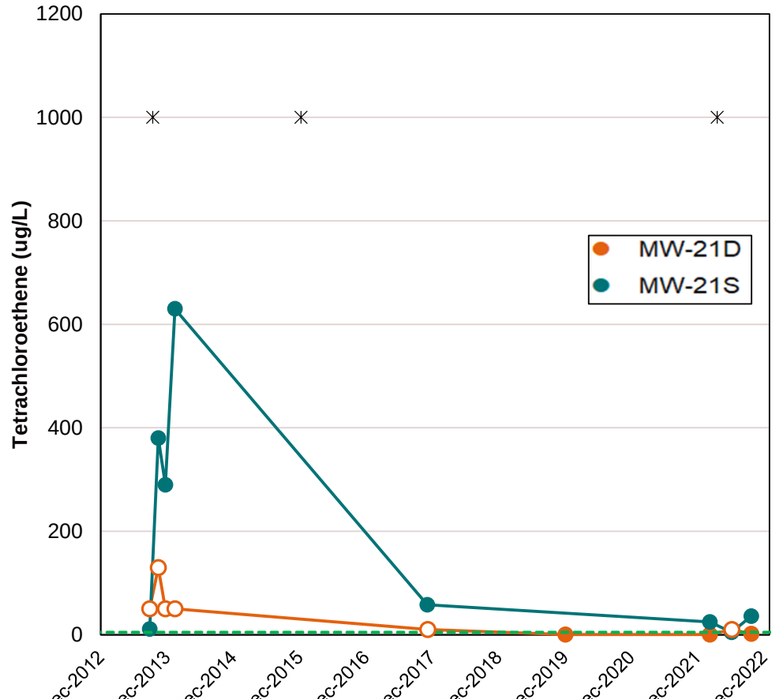
ARCADIS

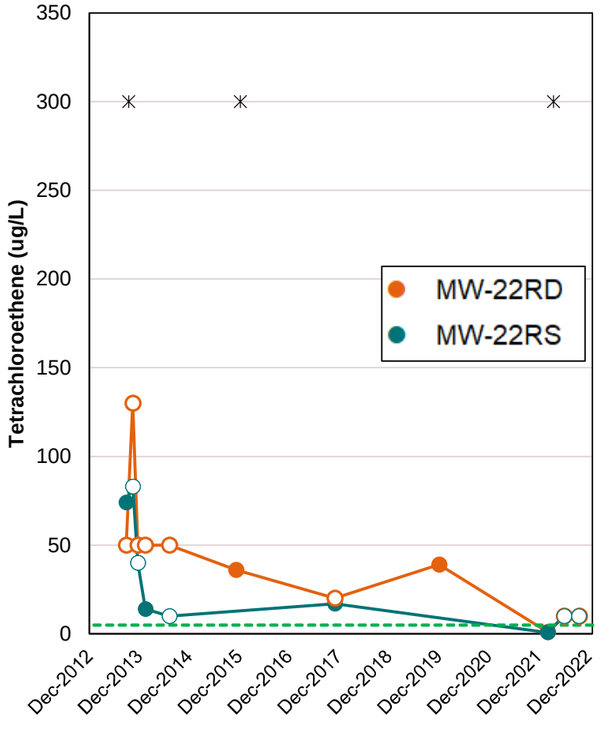
FIGURE 4

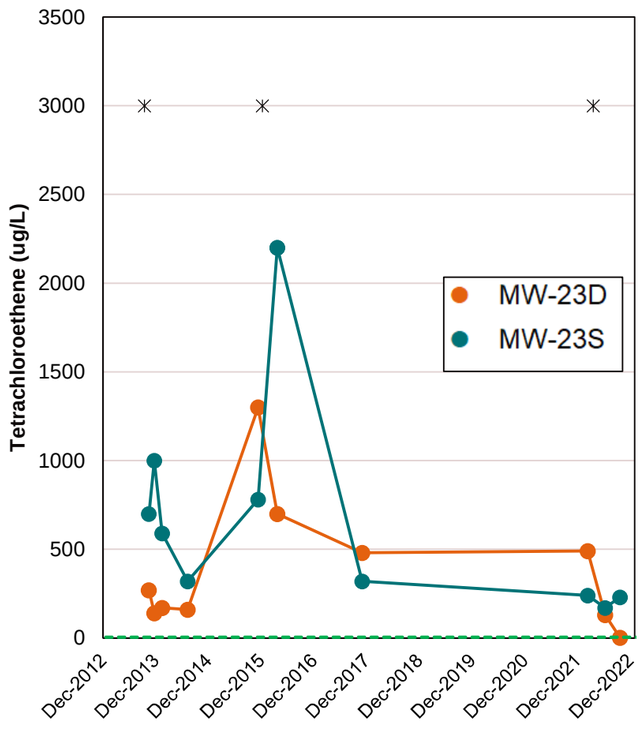
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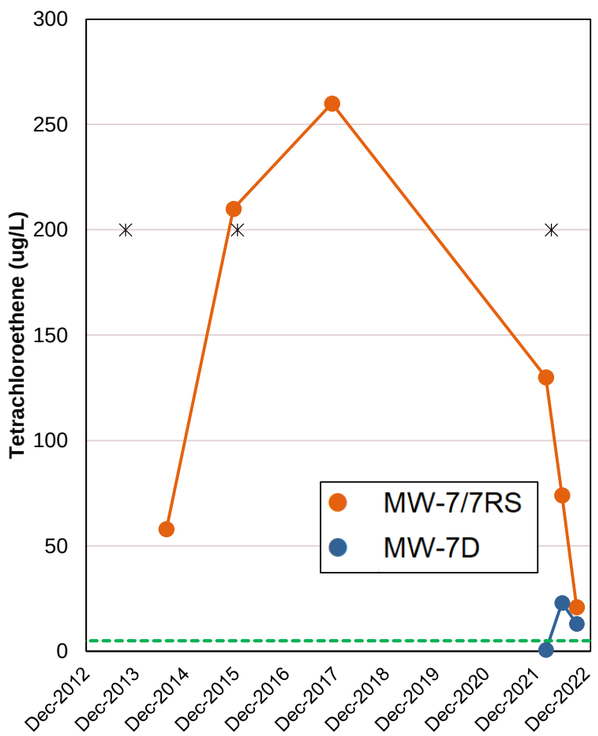












Notes:

PCE – tetrachloroethene

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

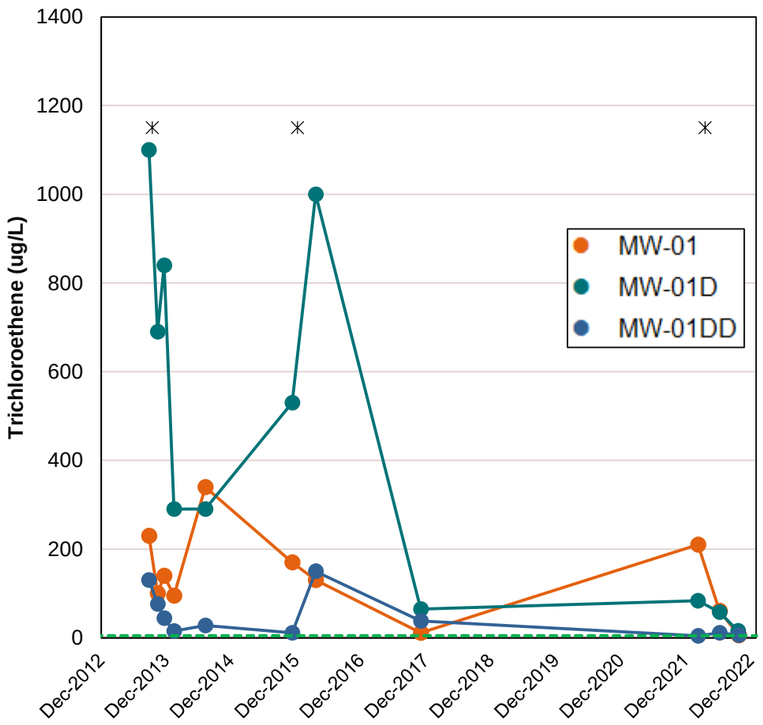
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

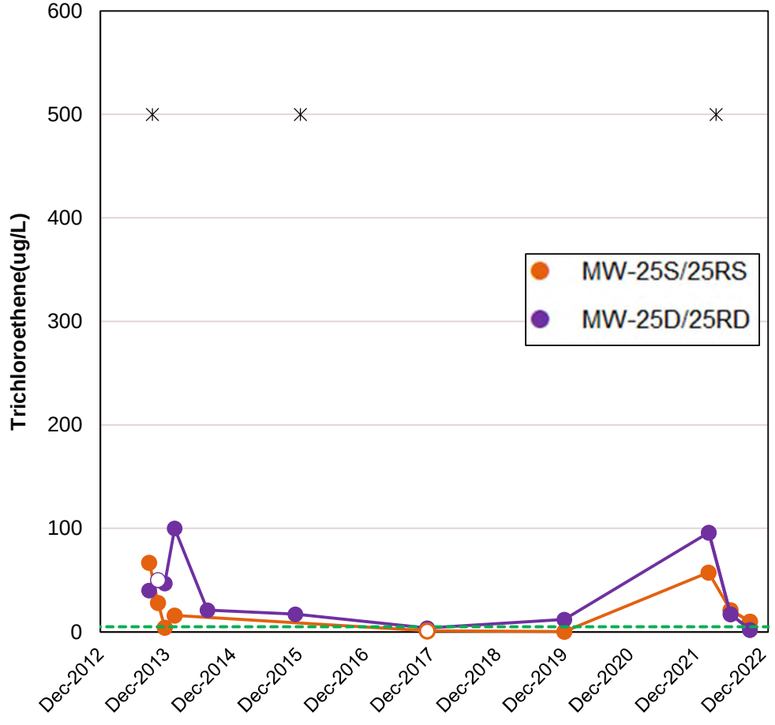
PCE CONCENTRATIONS (2013-2022)

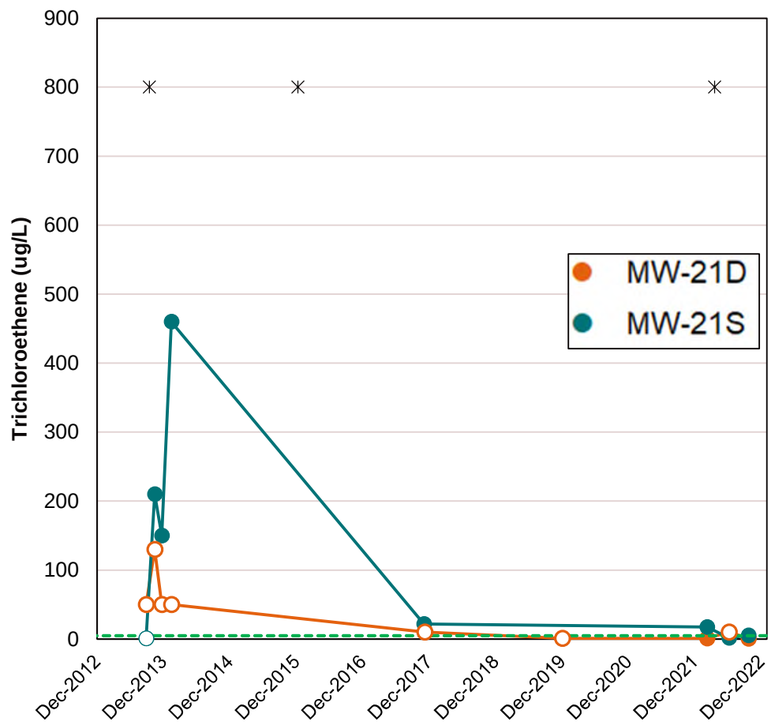
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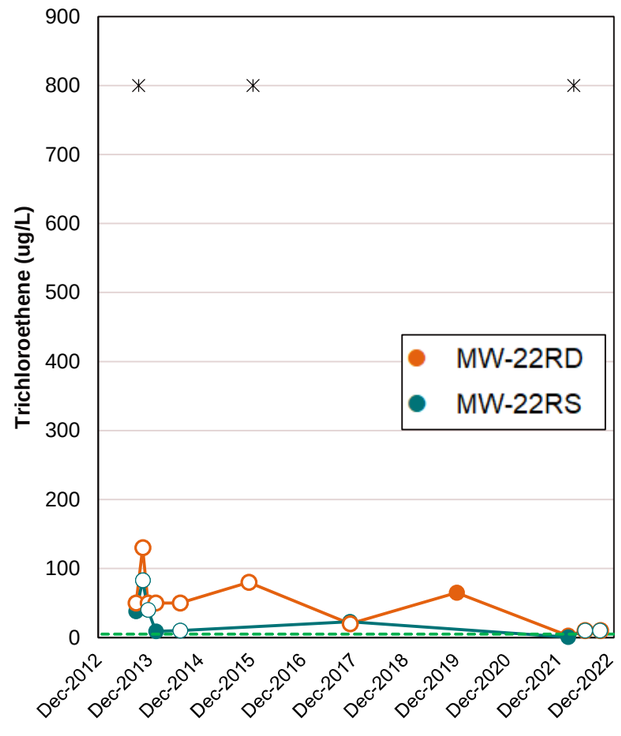
FIGURE
5A

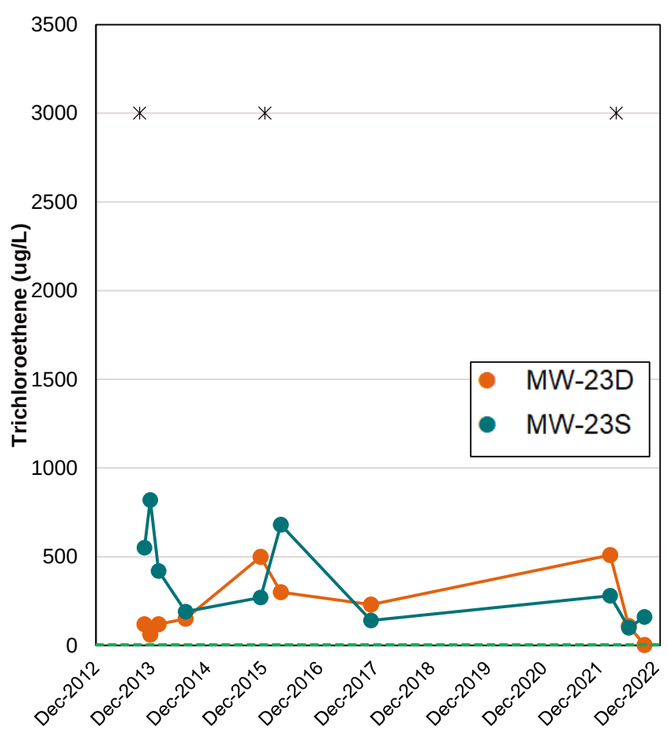
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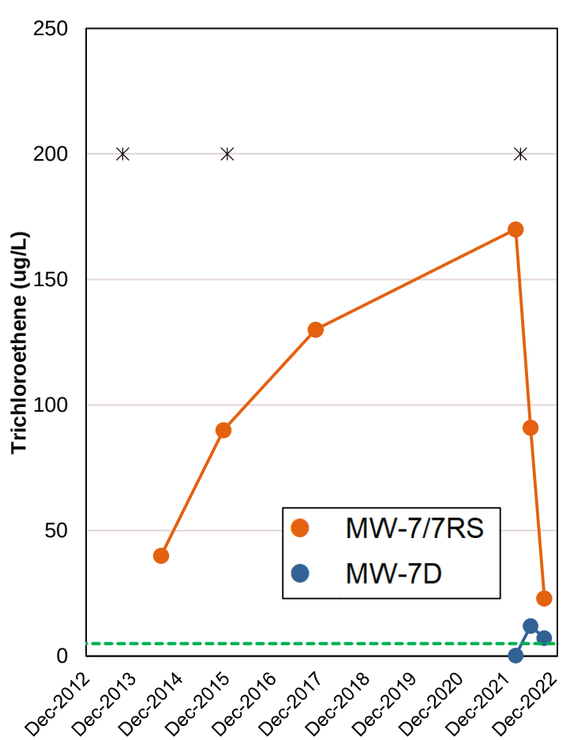












Notes:

TCE – trichloroethene

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

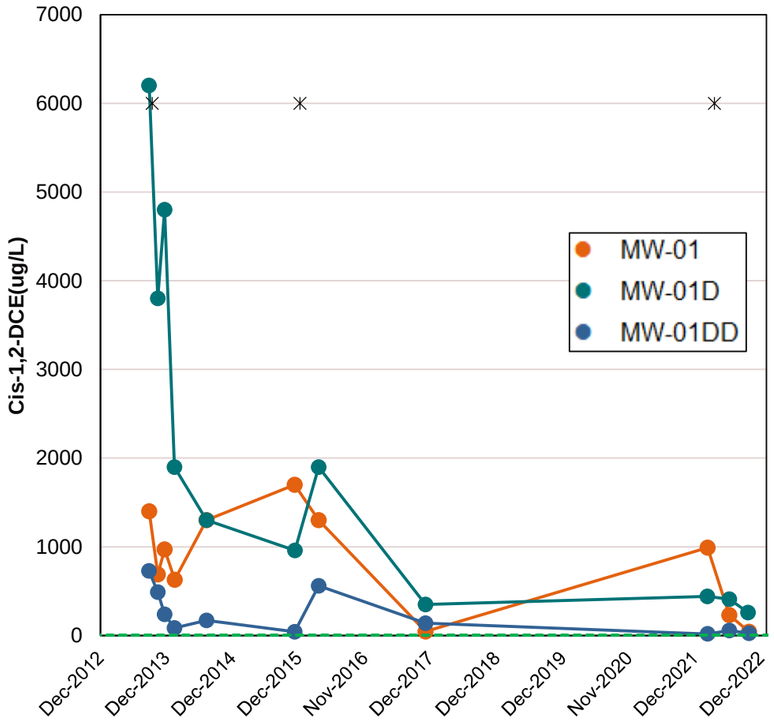
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

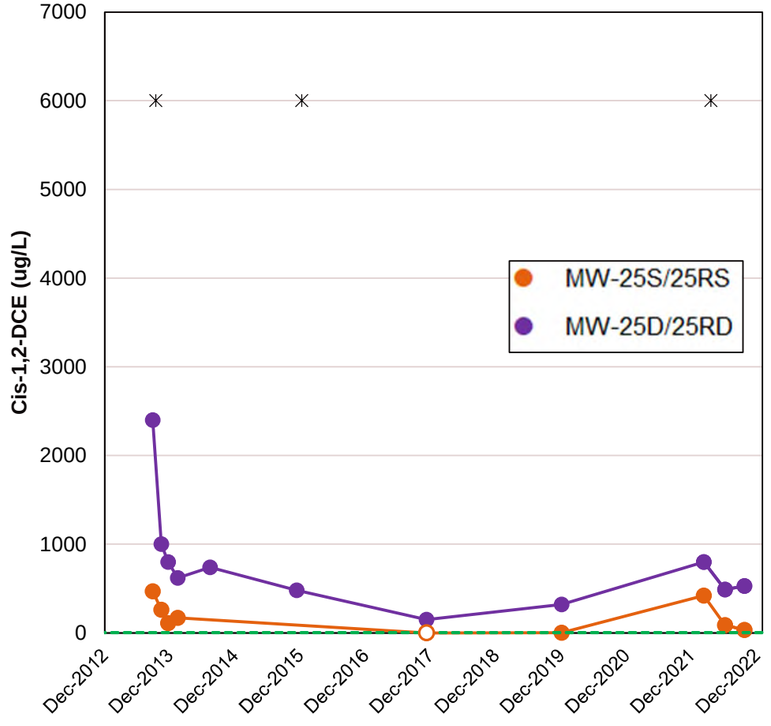
TCE CONCENTRATIONS (2013-2022)

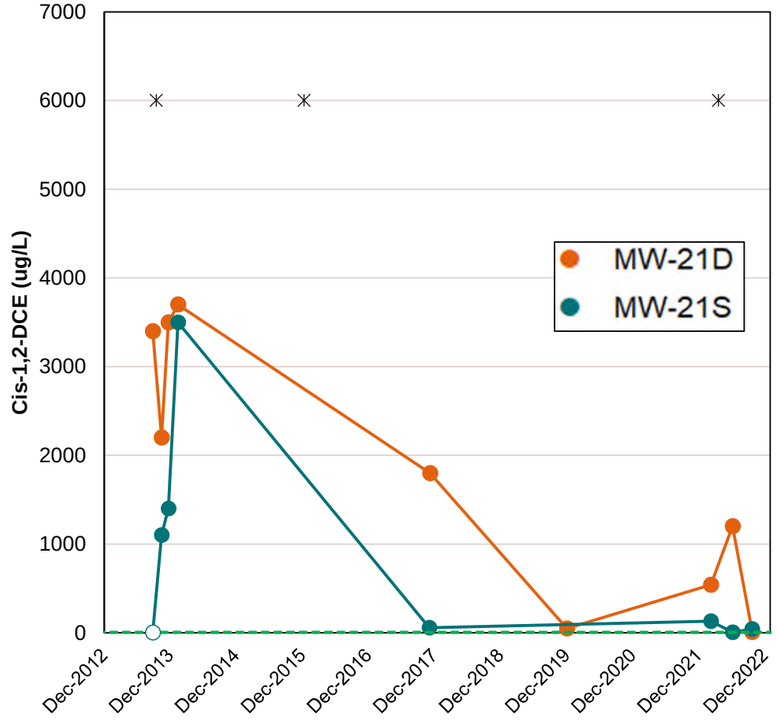
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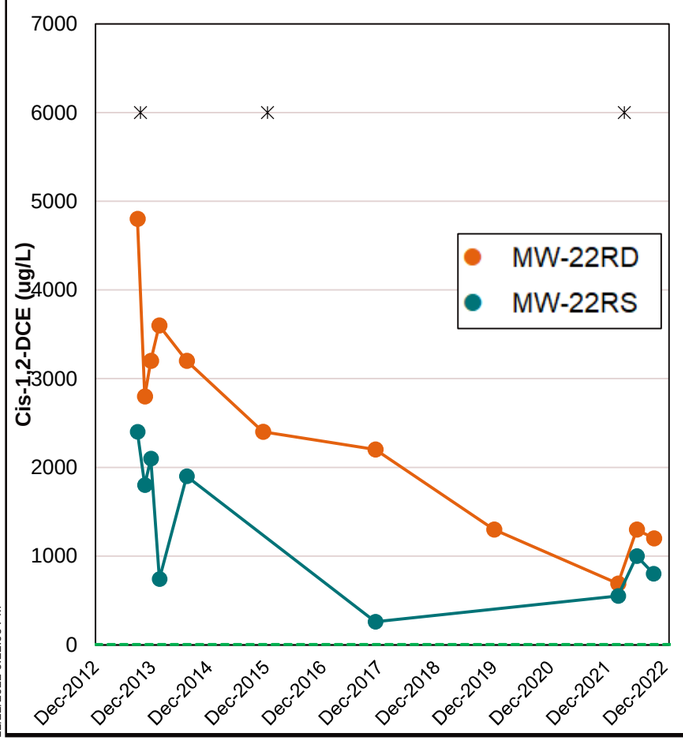
FIGURE
5B

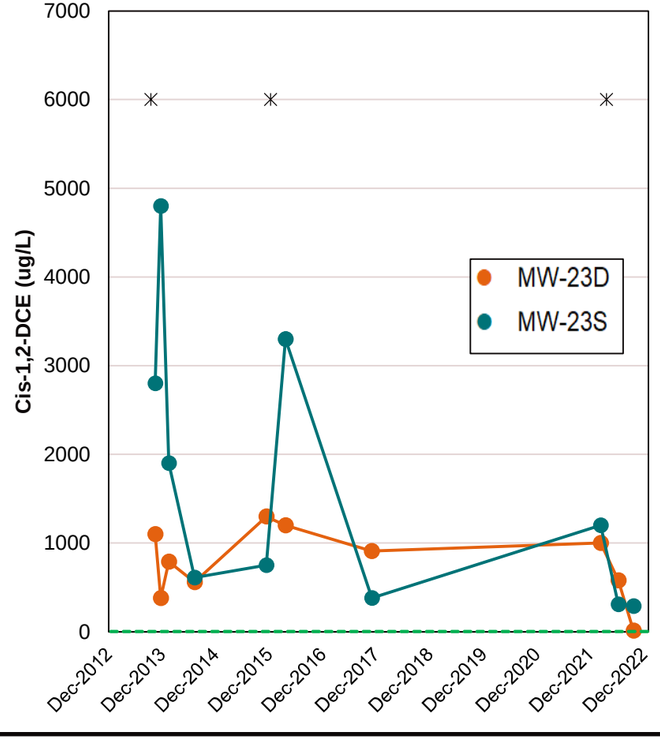
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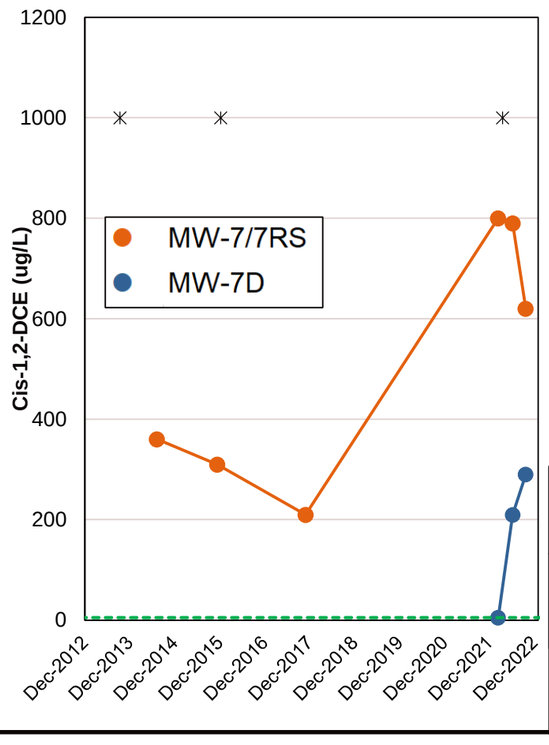












Notes:

Cis 1,2 DCE – Cis-1,2-dichloroethene

ug/L – microgram per liter

- Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

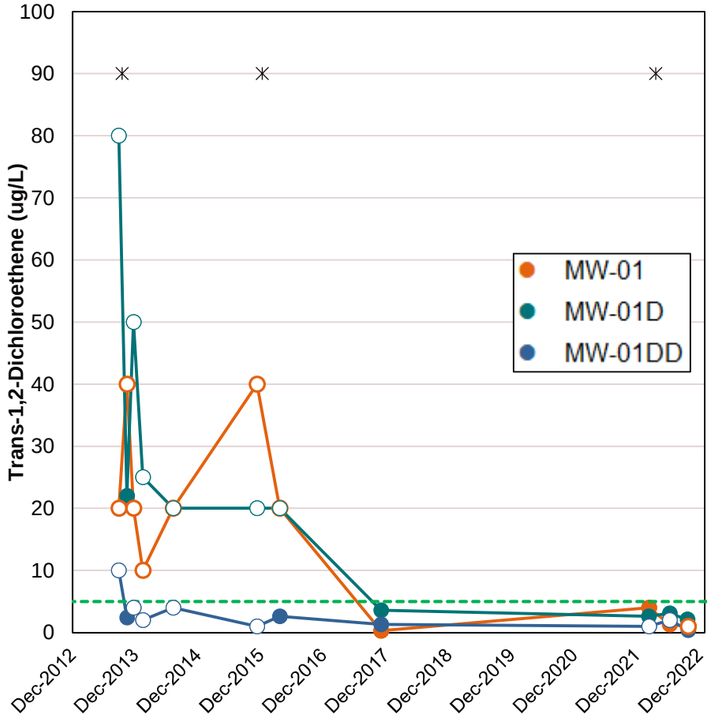
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

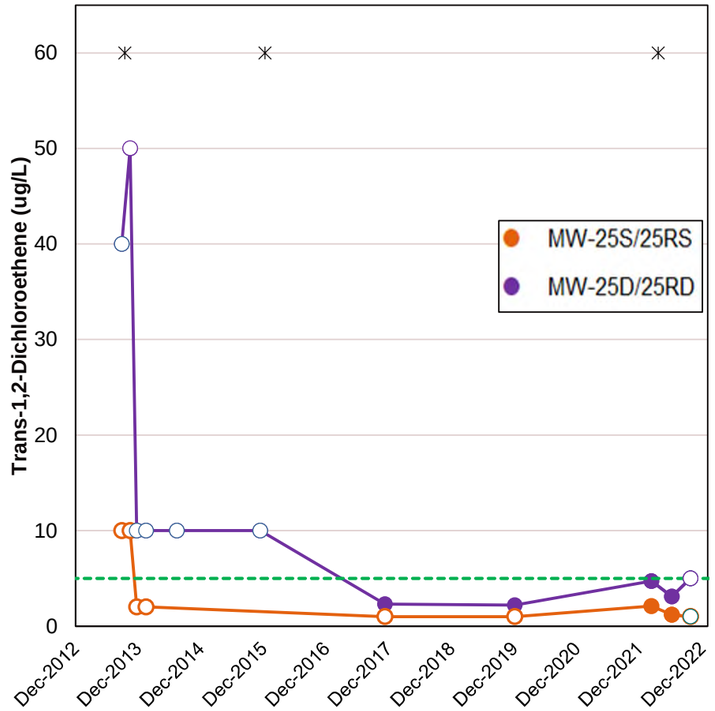
CIS-1,2-DCE CONCENTRATIONS (2013-2022)

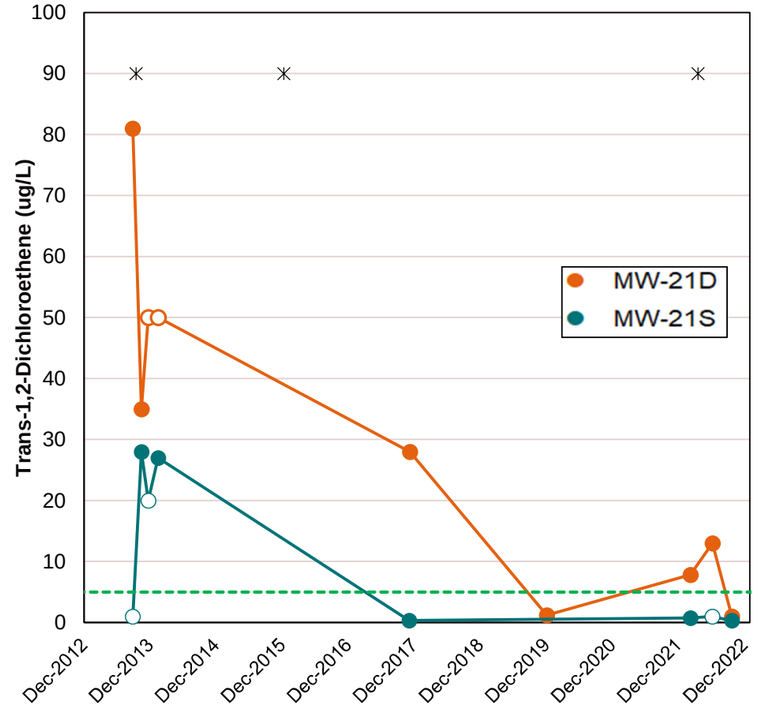
ARCADIS

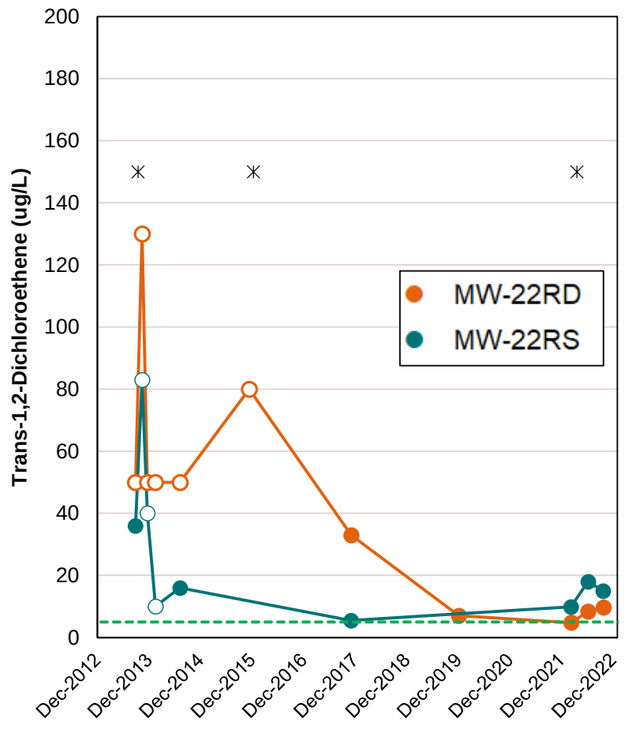
FIGURE **5C**

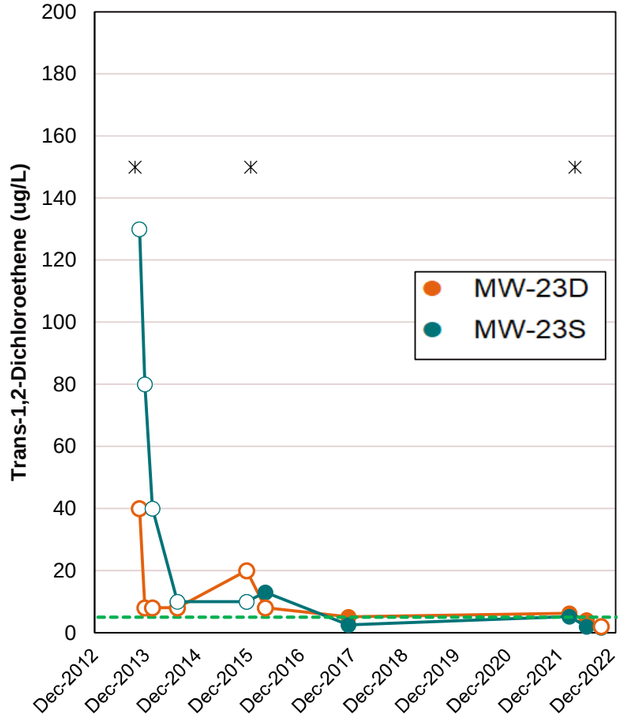
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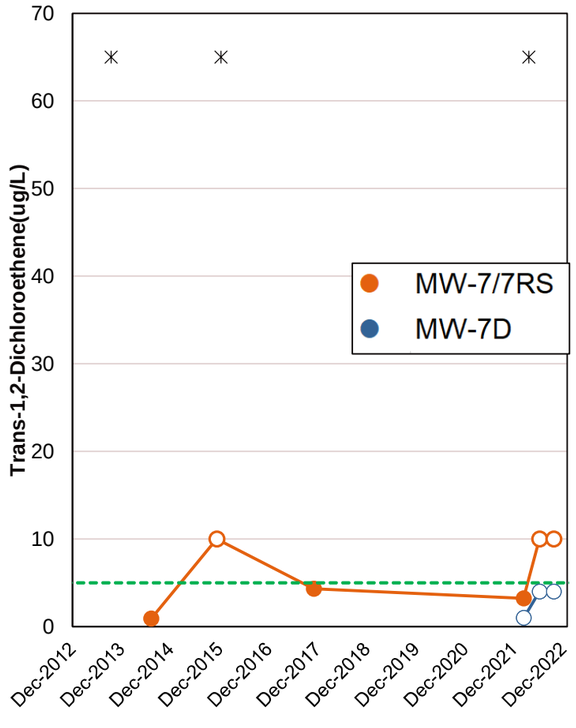












Notes:

Trans-1,2-DCE – Trans-1,2-Dichloroethene

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

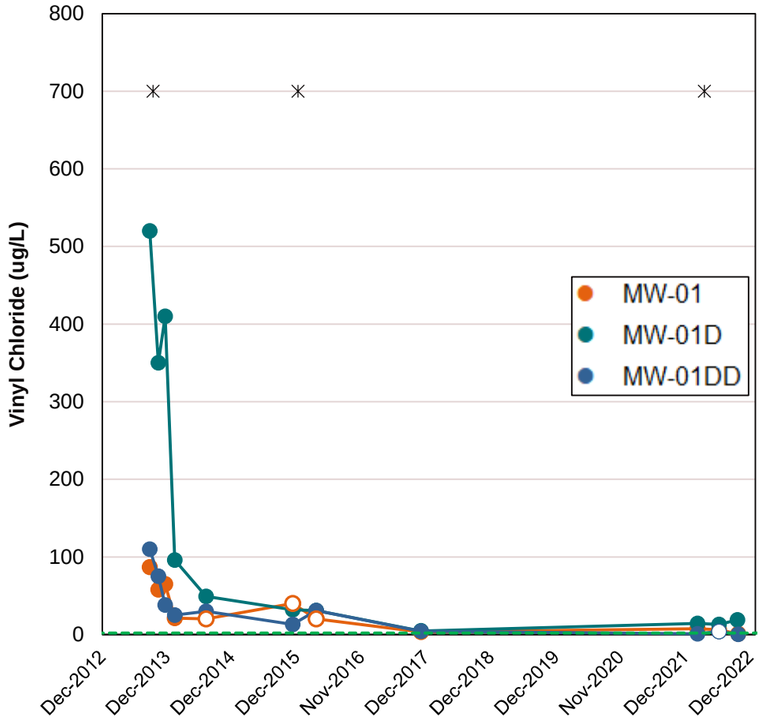
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

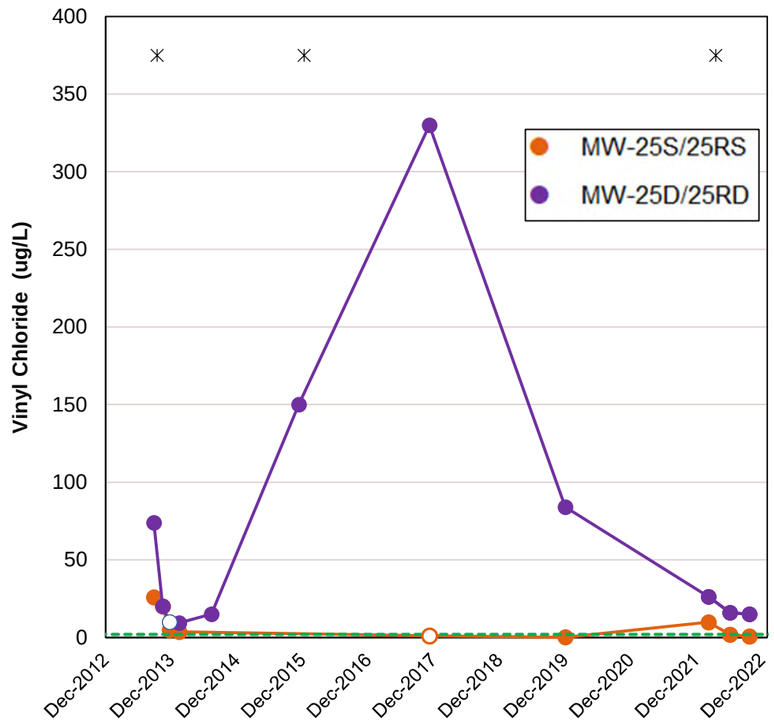
TRANS-1,2-DCE CONCENTRATIONS (2013-2022)

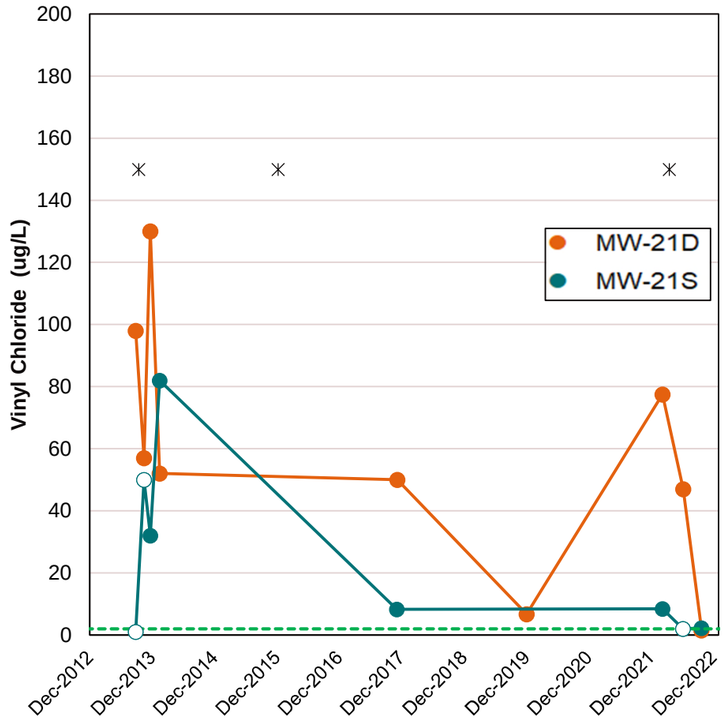
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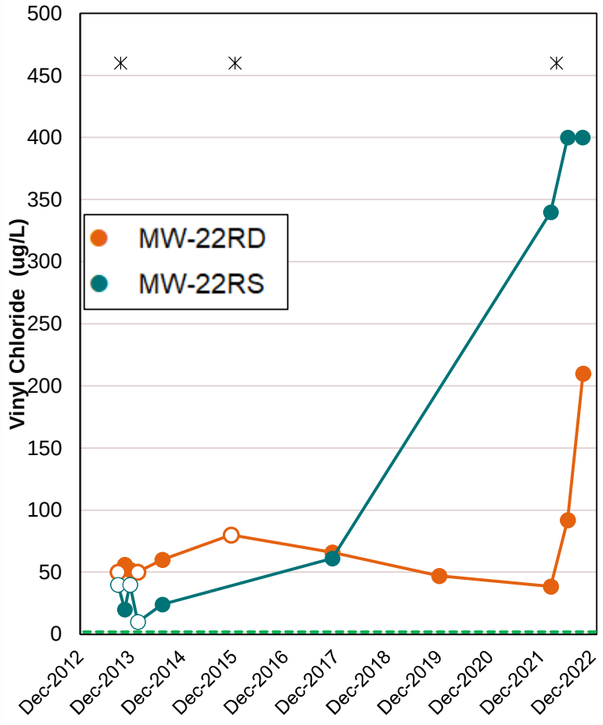
FIGURE
5D

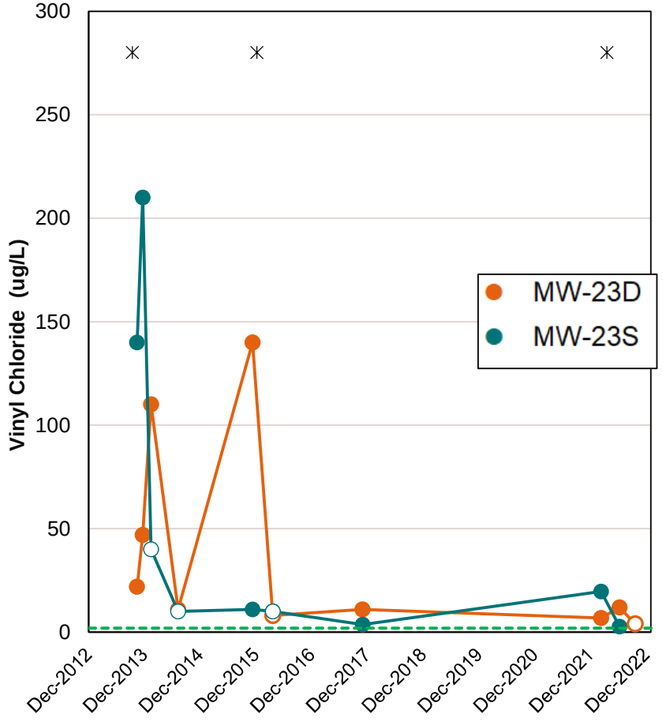
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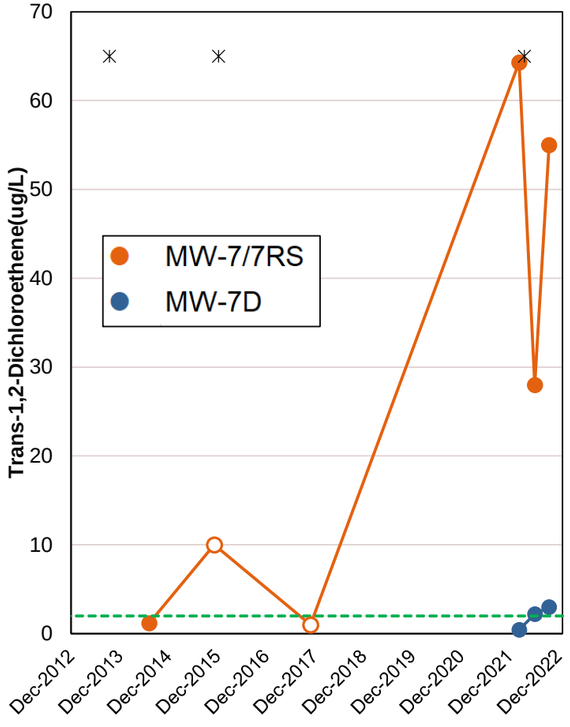












Notes:

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (2 ug/L)

MW-7RS was installed closer to source area and may explain shift in concentration in 2022 samples.

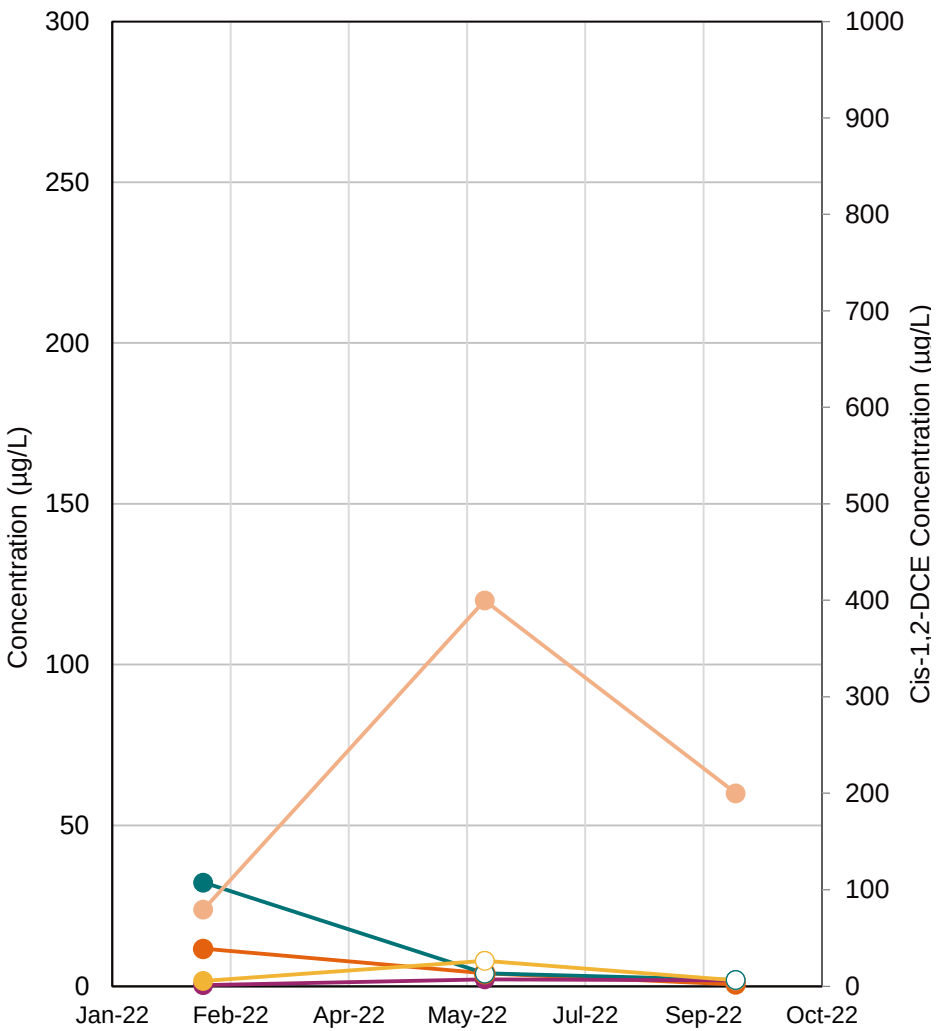
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

VINYL CHLORIDE CONCENTRATIONS (2013-2022)

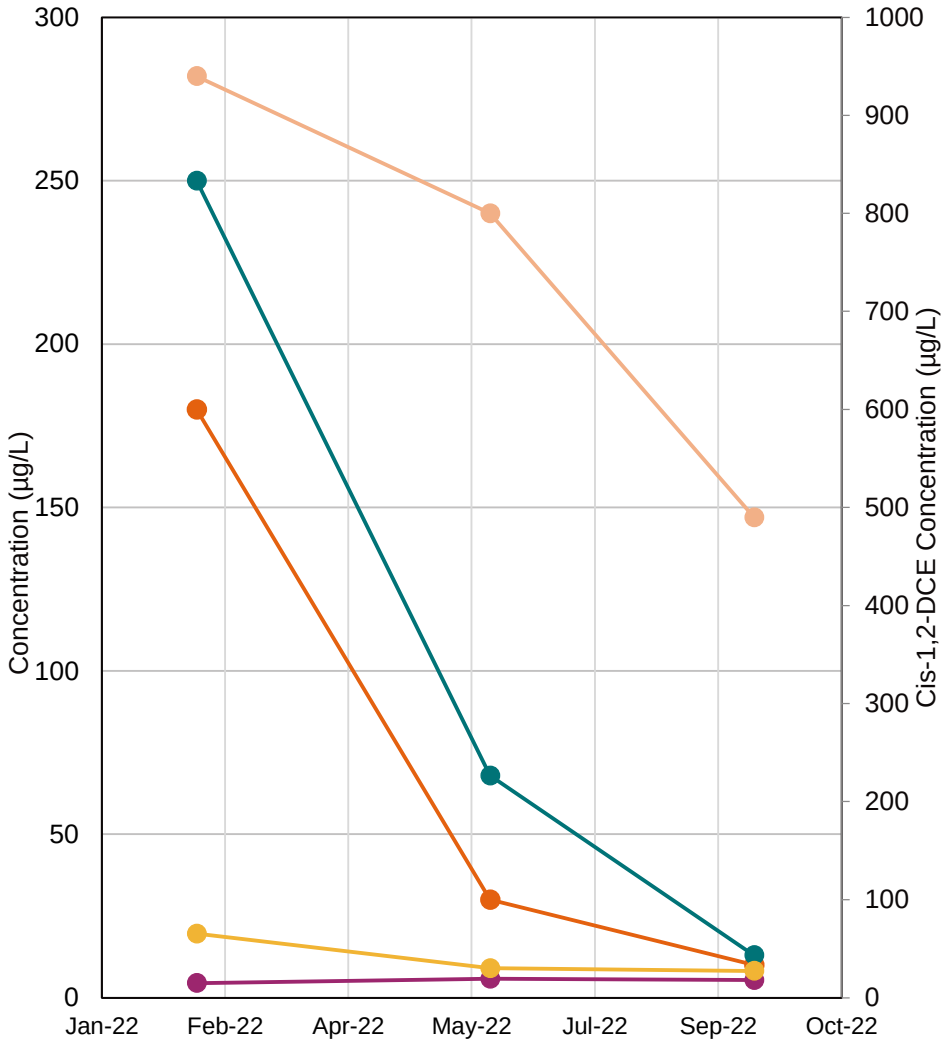
ARCADIS

FIGURE
5E

12/22/2022 5:47:52 PM



MW-30S



MW-30D

Legend

- Tetrachloroethene
- Trichloroethene
- Trans-1,2-Dichloroethene
- Vinyl Chloride
- Cis-1,2-Dichloroethene

Notes:

ug/L – microgram per liter

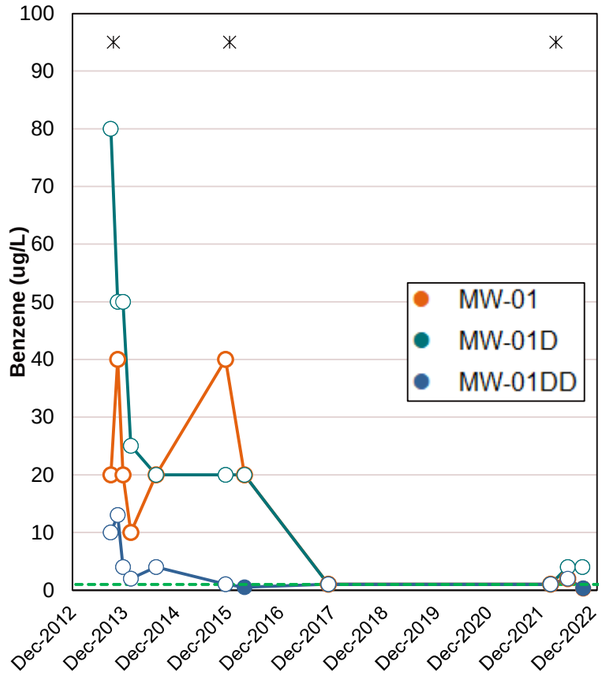
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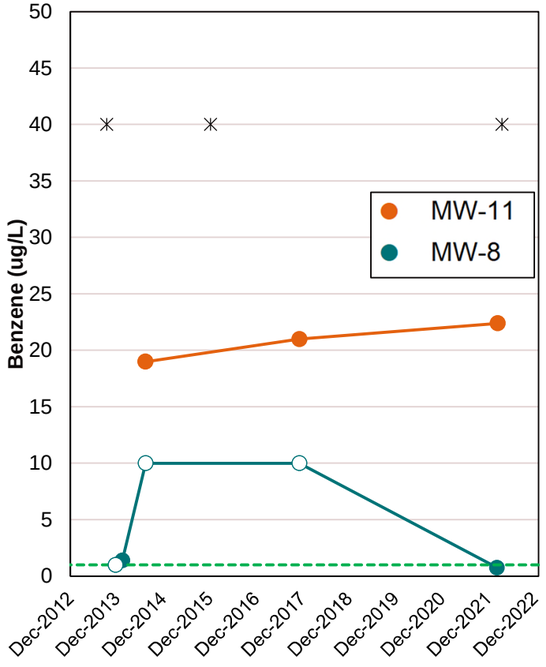
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

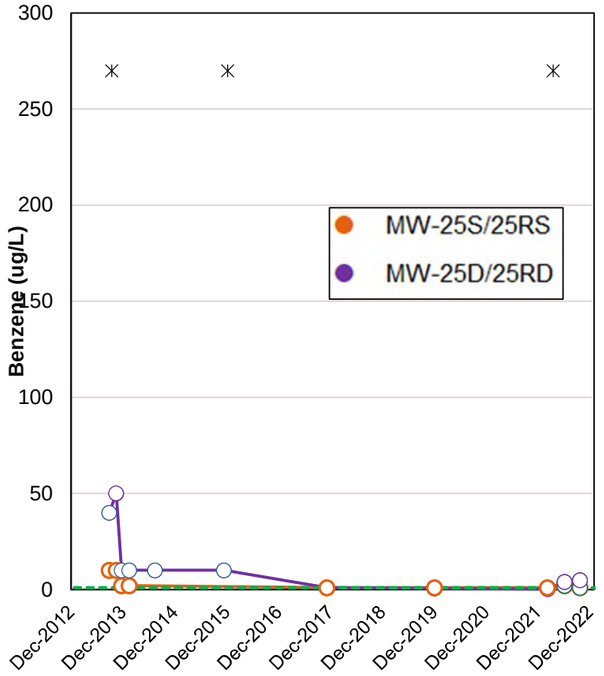
CHLORINATED VOLATILE ORGANIC COMPOUNDS – MW-30 WELL CLUSTER

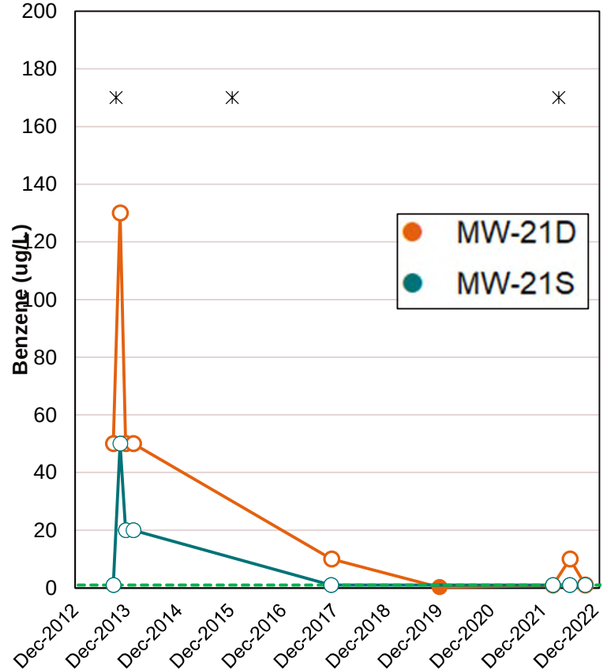
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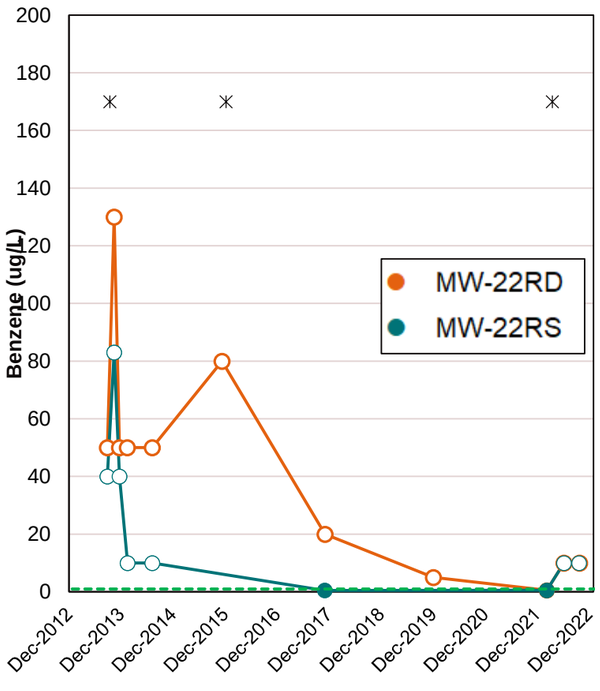
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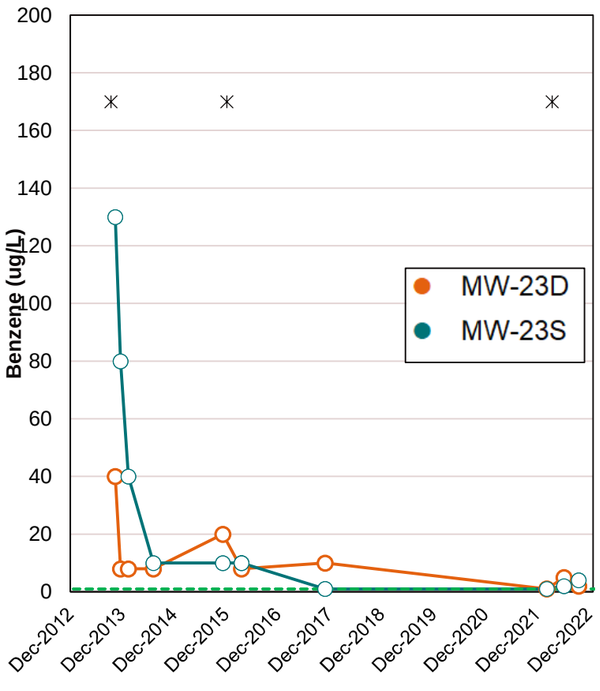


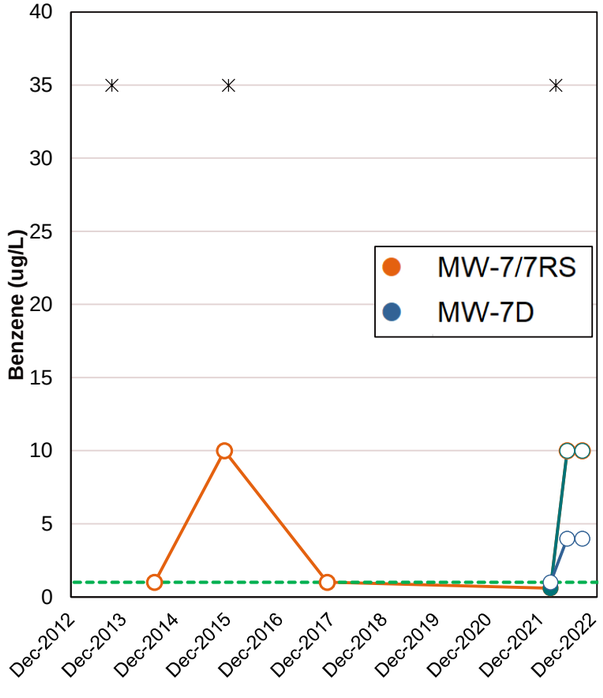












Notes:

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

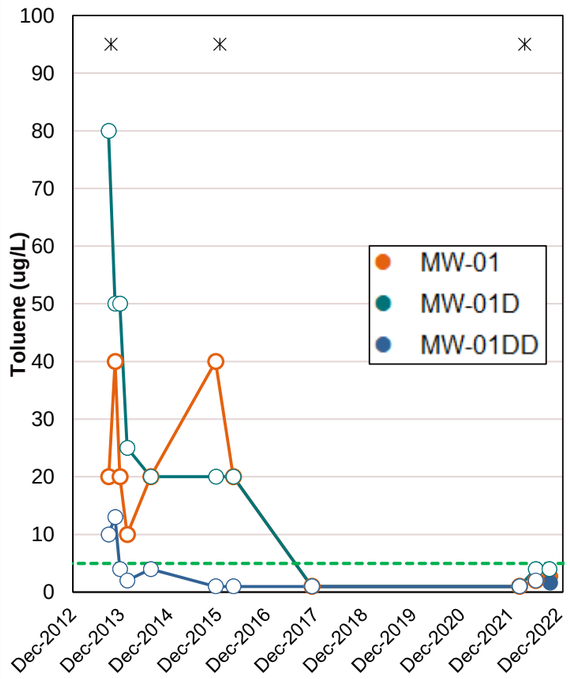
Green dotted line indicates Class GA groundwater standard (1 ug/L)

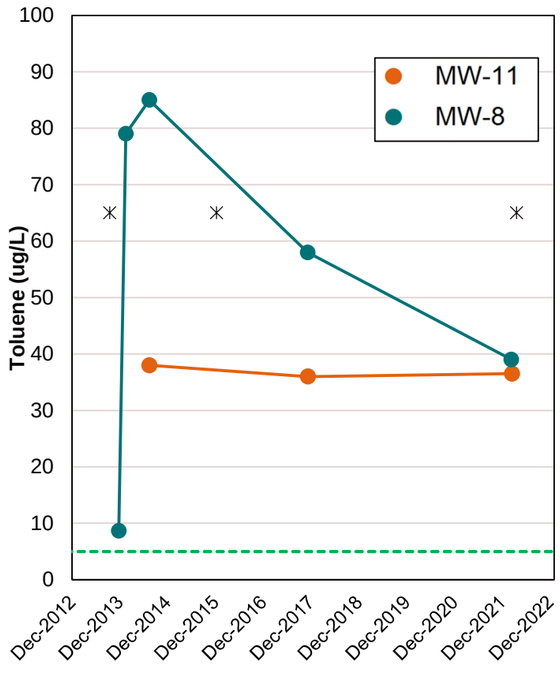
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

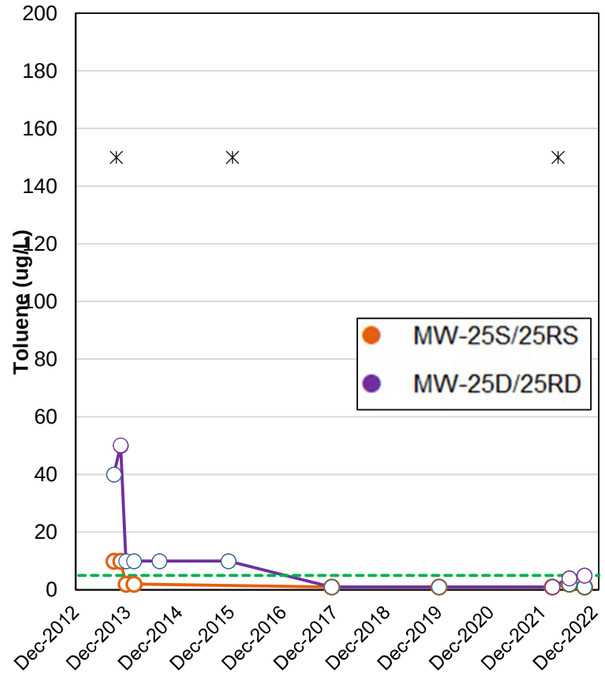
BENZENE CONCENTRATIONS (2013-2022)

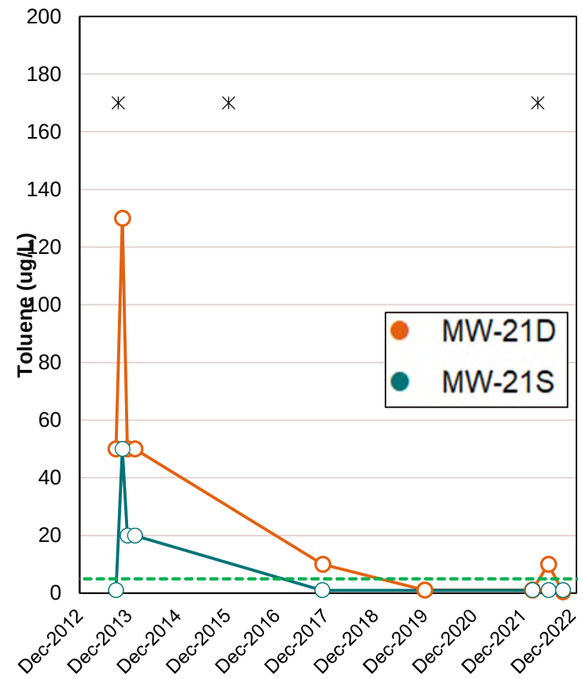
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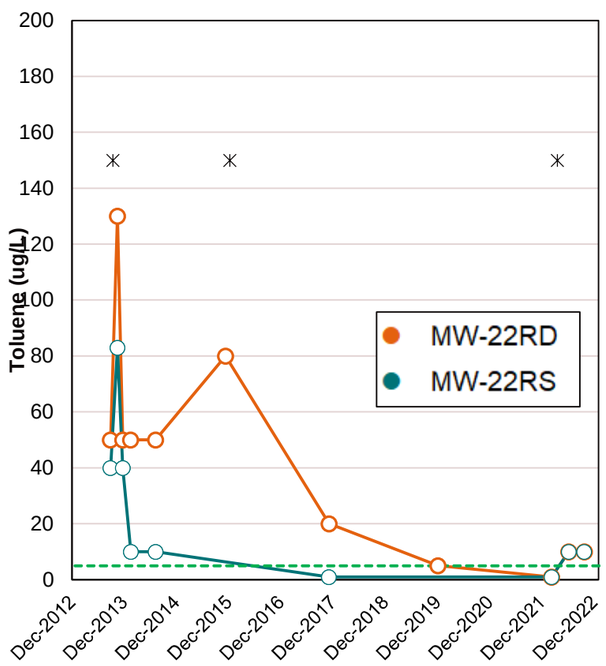
FIGURE **6A**

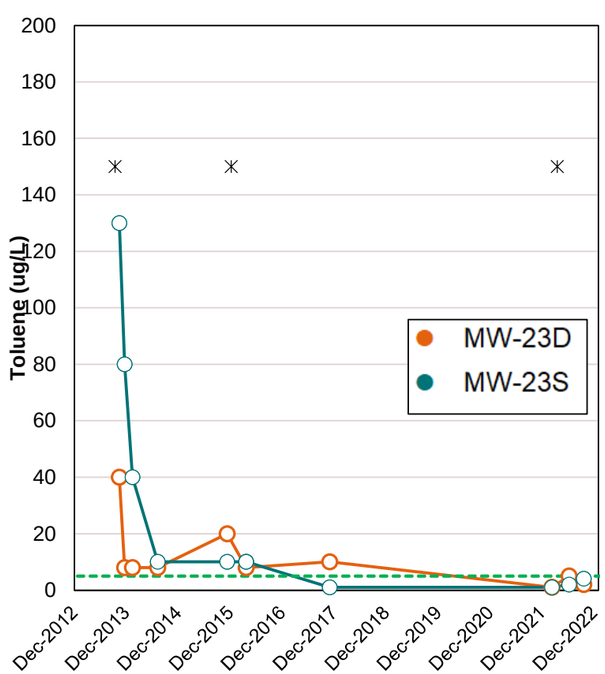


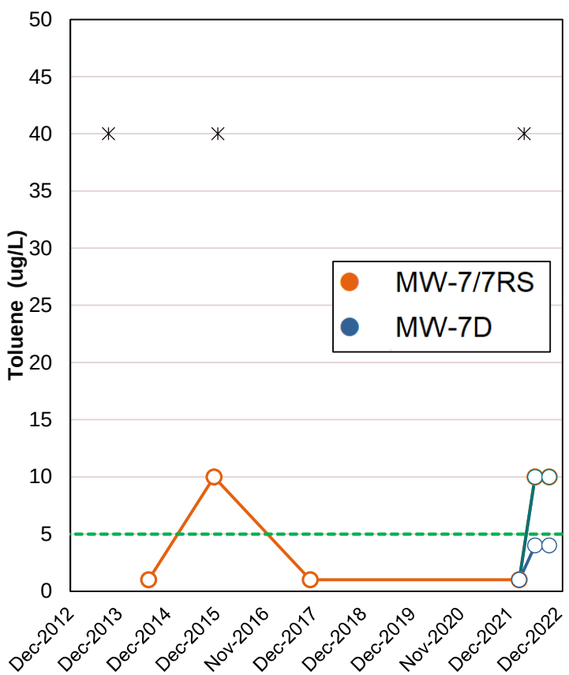












Notes:

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

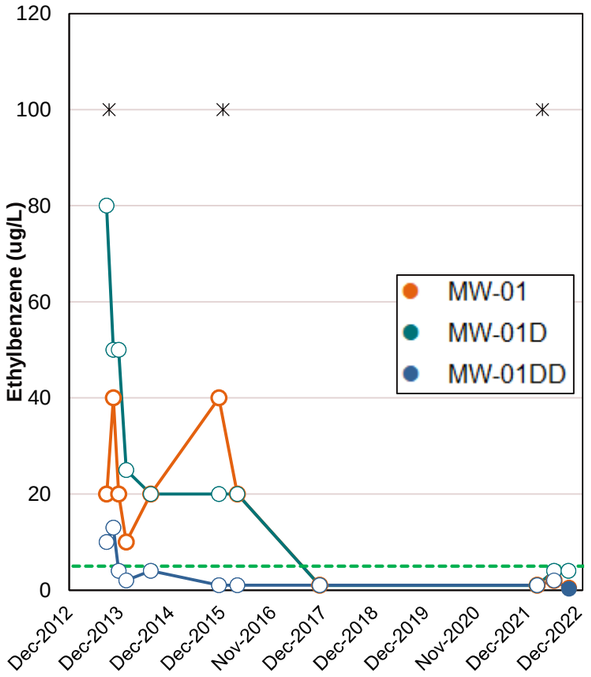
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

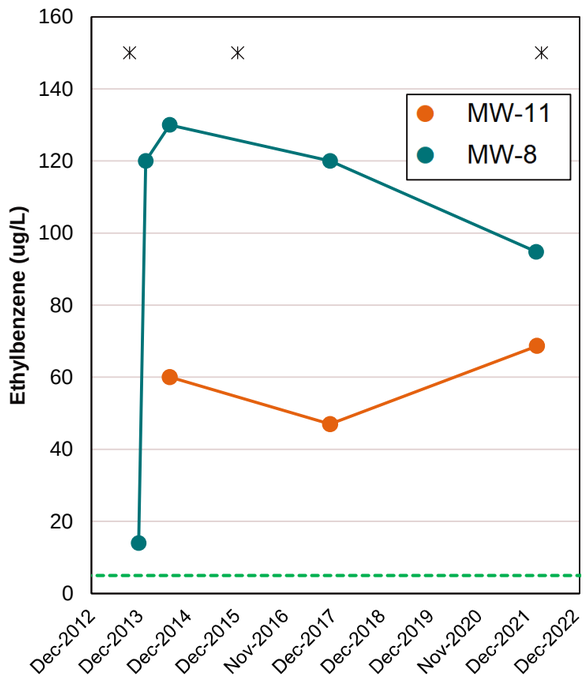
TOLUENE CONCENTRATIONS (2013-2022)

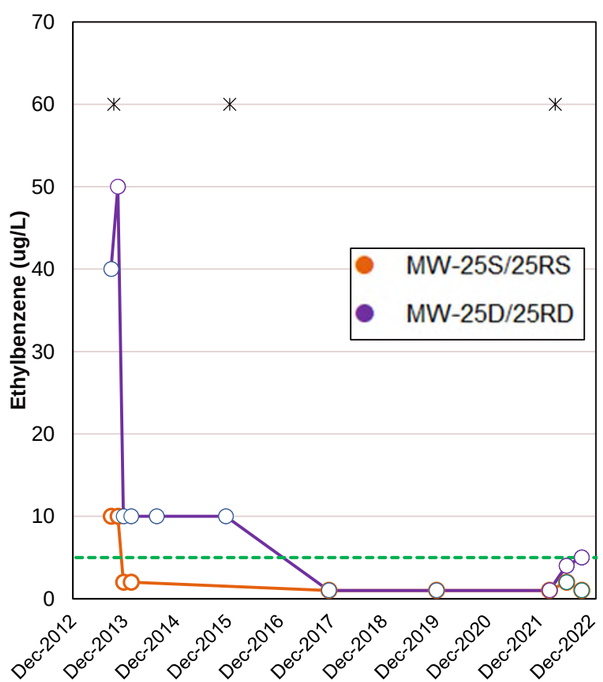
ARCADIS

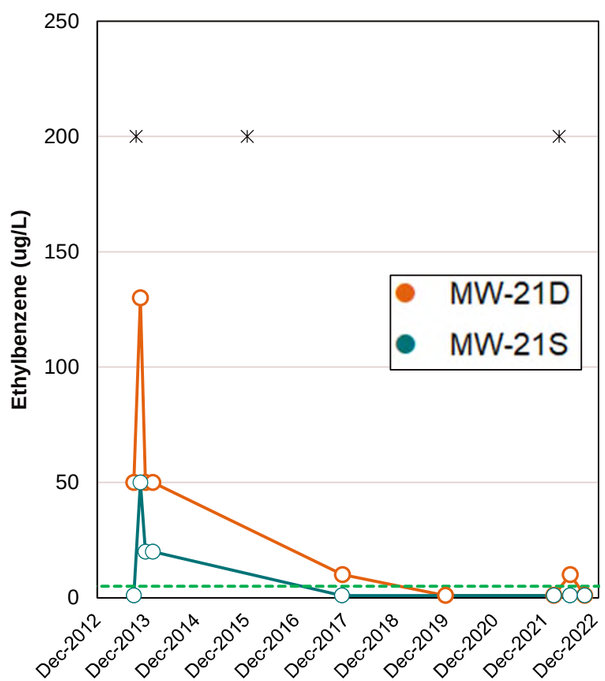
FIGURE **6B**

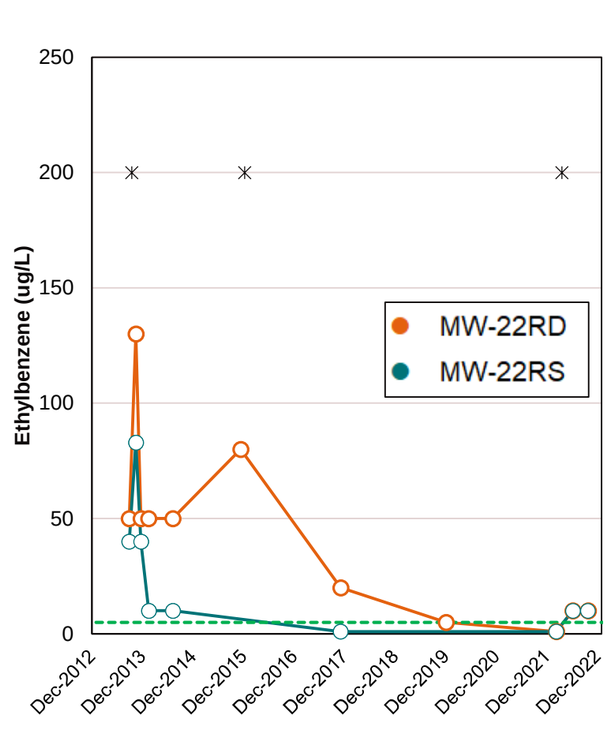
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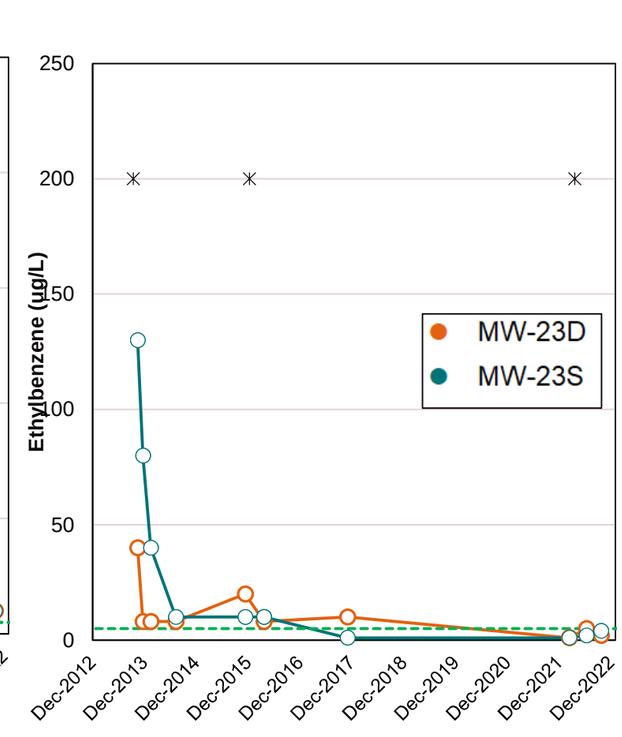


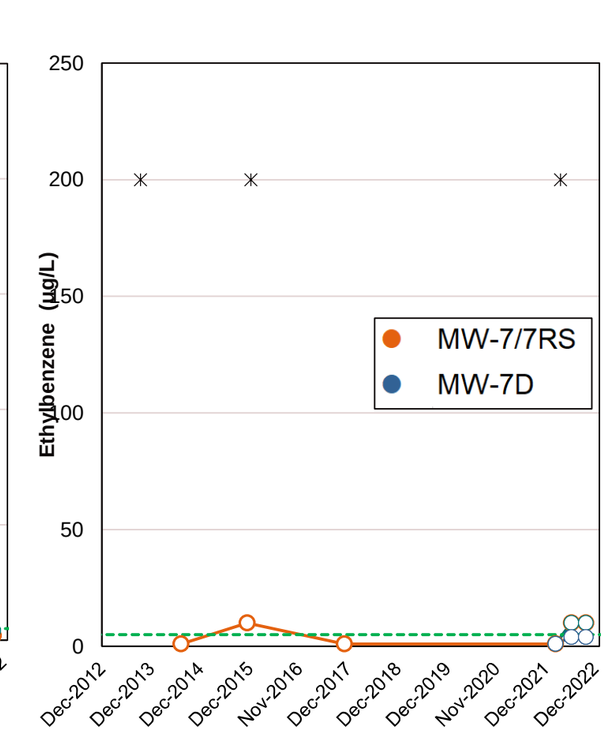












Notes:

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

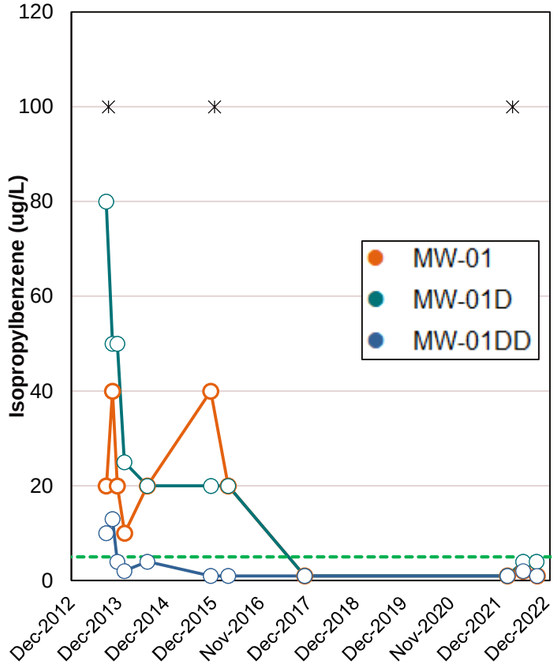
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

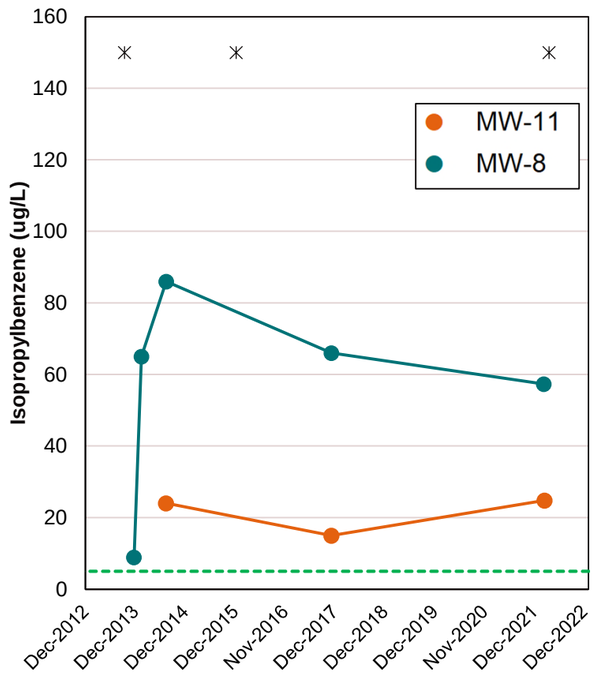
ETHYLBENZENE CONCENTRATIONS (2013-2022)

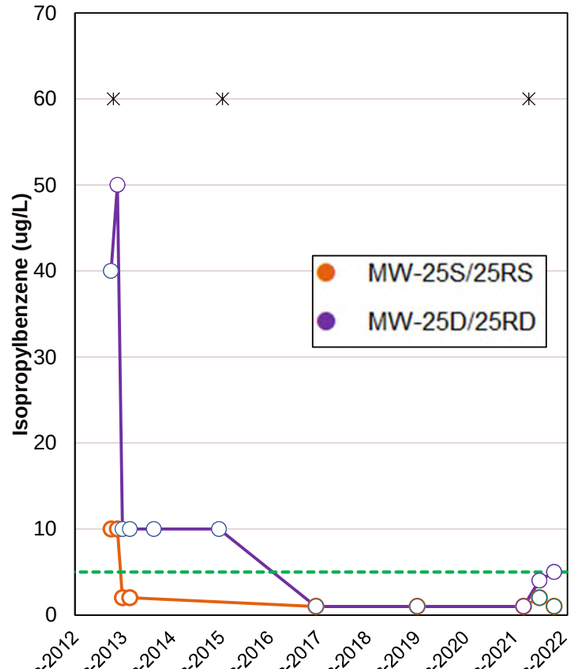
ARCADIS

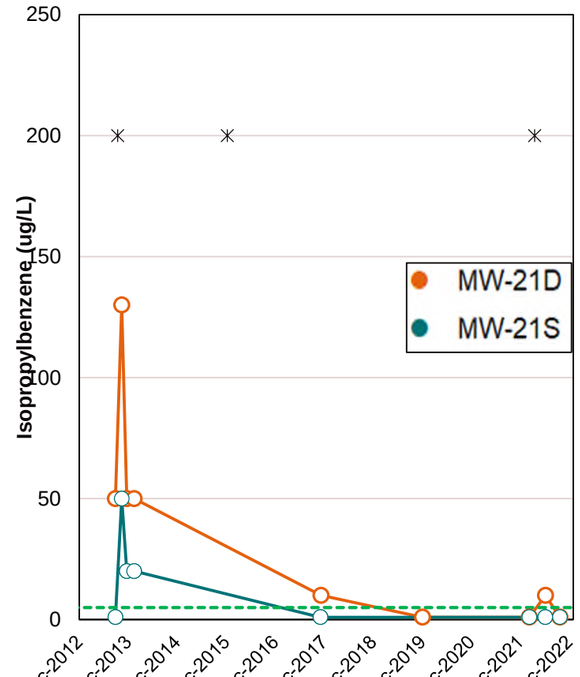
FIGURE
6C

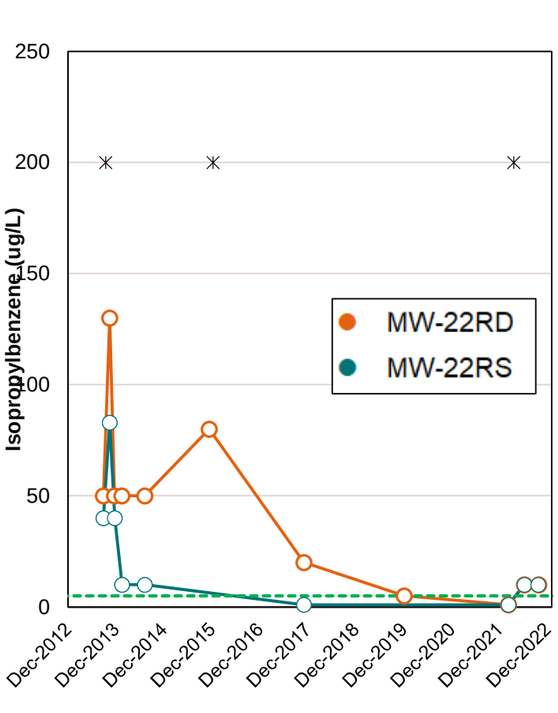
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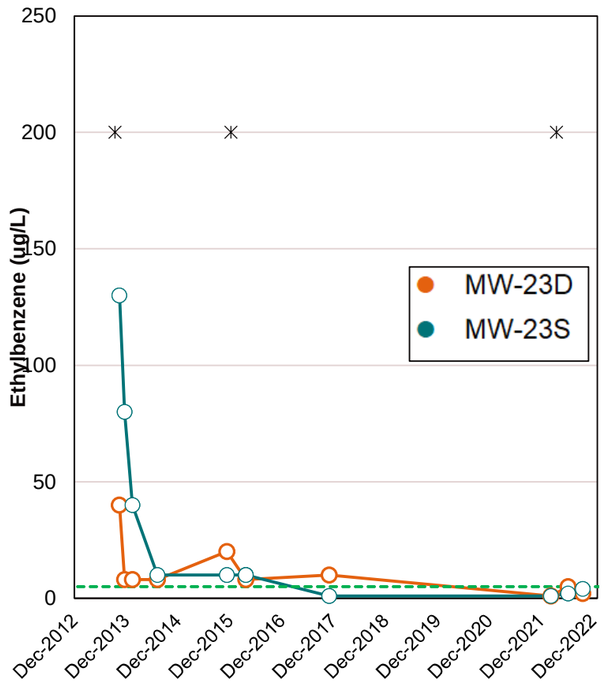


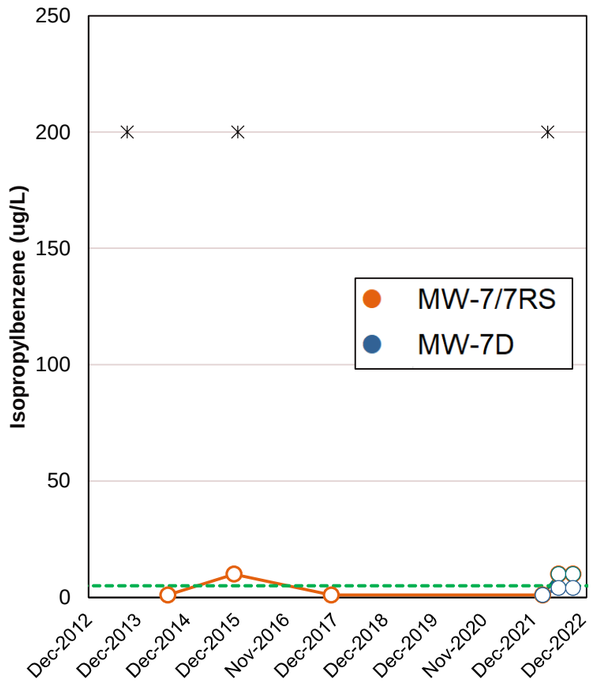












Notes:

ug/L – microgram per liter

✳ - Injection event

Detects indicated by full marker and nondetects indicated by open marker. Reporting limit is used for nondetects.

Green dotted line indicates Class GA groundwater standard (5 ug/L)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CROWN DYKMAN SITE NO. 130054

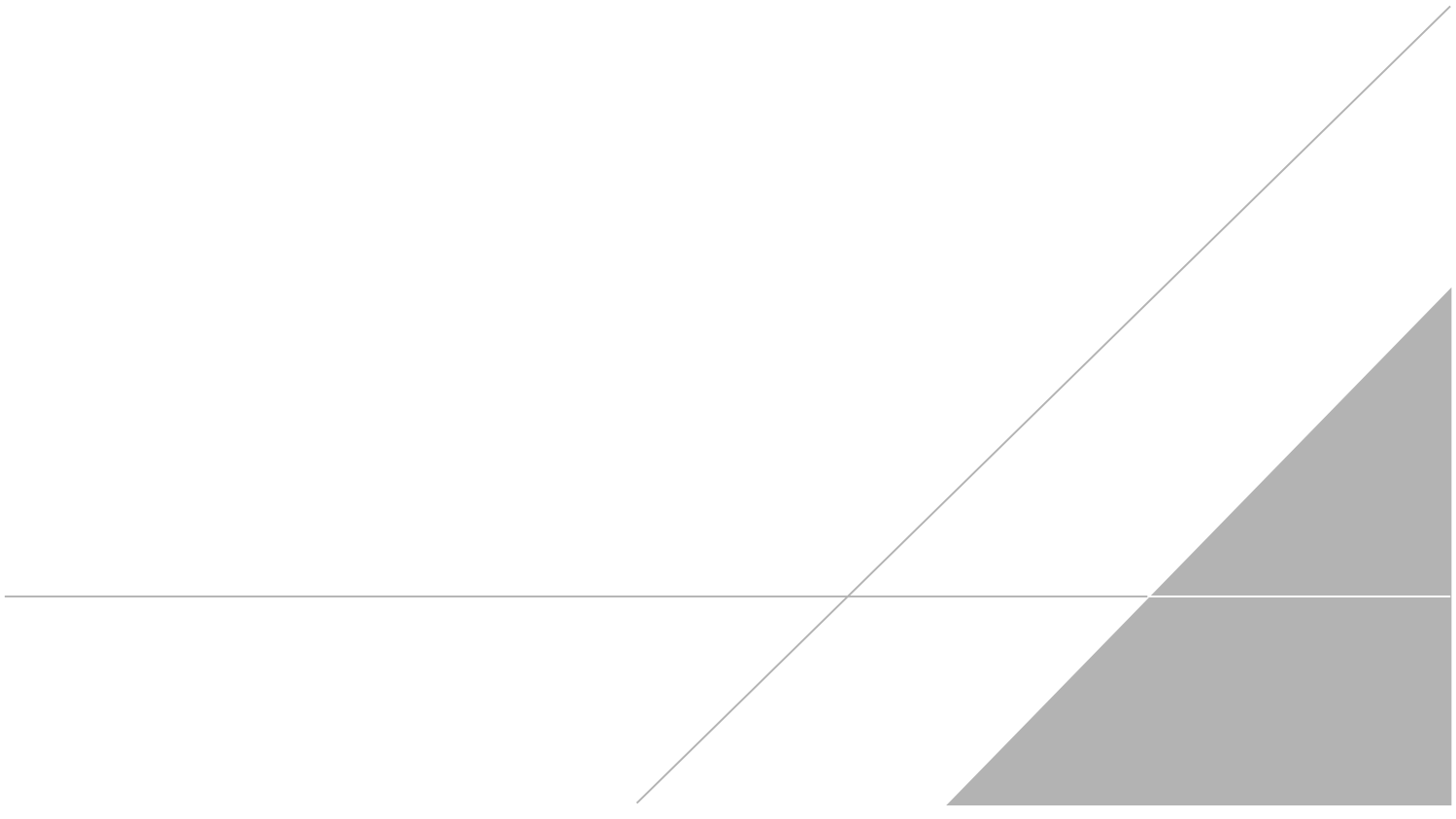
ISOPROPYLBENZENE CONCENTRATIONS (2013-2022)

ARCADIS

FIGURE
6D

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Appendix A



CHEMTECH

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1429

ATTENTION : Mike Rose

Table Of Contents for N1429

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2.1) VOCMS Group1- Case Narrative 9

2.2) Metals-AES- Case Narrative 11

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4) QA Checklist 15

5) VOCMS Group1 Data 16

6) Metals-AES Data 81

7) Shipping Document 144

7.1) CHAIN OF CUSTODY 145

7.2) ROC 146

7.3) Lab Certificate 150

7.4) Internal COC 151

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-21S	N1429-01	8260-Low				6010D	
MW-21S	N1429-02	8260-Low				6010D	
MW-21D	N1429-03	8260-Low				6010D	
MW-21D	N1429-04	8260-Low				6010D	
MW-25S	N1429-05	8260-Low				6010D	
MW-25S	N1429-06	8260-Low				6010D	
MW-22-R-S	N1429-07	8260-Low				6010D	
MW-22-R-S	N1429-08	8260-Low				6010D	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N1429-01	Water	02/07/22	02/07/22		02/08/22
N1429-03	Water	02/07/22	02/07/22		02/08/22
N1429-05	Water	02/07/22	02/07/22		02/08/22
N1429-07	Water	02/07/22	02/07/22		02/08/22

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1429-01	Water	8260-Low	5030		
N1429-03	Water	8260-Low	5030		
N1429-05	Water	8260-Low	5030		
N1429-07	Water	8260-Low	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1429-02	Water	Dissolved ICP-Group2	02/07/22	02/11/22	02/11/22
N1429-04	Water	Dissolved ICP-Group2	02/07/22	02/11/22	02/11/22
N1429-06	Water	Dissolved ICP-Group2	02/07/22	02/11/22	02/11/22
N1429-08	Water	Dissolved ICP-Group2	02/07/22	02/11/22	02/11/22

*** Details For Test :** Dissolved ICP-Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1429-01	Water	Metals Group4	02/07/22	02/11/22	02/11/22
N1429-03	Water	Metals Group4	02/07/22	02/11/22	02/11/22
N1429-05	Water	Metals Group4	02/07/22	02/11/22	02/11/22
N1429-07	Water	Metals Group4	02/07/22	02/11/22	02/11/22

*** Details For Test :** Metals Group4

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

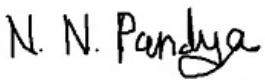
Order ID : N1429

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1429-01	MW-21S
N1429-02	MW-21S
N1429-03	MW-21D
N1429-04	MW-21D
N1429-05	MW-25S
N1429-06	MW-25S
N1429-07	MW-22-R-S
N1429-08	MW-22-R-S

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : 

APPROVED

By Nimisha Pandya QA/QC Supervisor at 12:07 pm, Mar 16, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1429
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
8 Water samples were received on 02/07/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {VX0209WBS01} with File ID: VX026867.D met requirements for all samples except for Acetone[130%] , All other associated QCs are within the Limits. Lab notified this issue to the client. See the communication in shipping Document section.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (82X020822W.M) for t-1,3-Dichloropropene, Bromoform these compounds are passing on Linear Regression and Chloroethane this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Samples MW-21D, MW-25S and MW-22-R-S were diluted due to high concentrations.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:

This data package has been revised due to parameter list changed and to include TICS.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:07 pm, Mar 16, 2022

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1429
Test Name: Metals Group4,Dissolved ICP-Group2

A. Number of Samples and Date of Receipt:
8 Water samples were received on 02/07/2022.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for Metals Group4,Dissolved ICP-Group2.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample MW-21D was diluted due to high concentrations for Manganese.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.

The Matrix Spike (20220072-104-21-SITE-WATERMS) analysis met criteria for all samples except for Iron.

The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Samples# N1429-01, N1429-03, N1429-05, N1429-07 were analysed as Total metals and Samples# N1429-02, N1429-04, N1429-06, N1429-08 were analysed as Dissolved metals.
In analytical sequence LB118670, The % recovery was outside of acceptance limit for Sodium of CCV09 but there is no sample of this project was affected.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 12:08 pm, Mar 16, 2022

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N1429

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: APARNA SONI **Date:** 03/16/2022

2nd Level QA Review Signature: N. N. Pandya **Date:**

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:08 pm, Mar 16, 2022

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N1429	**OrderDate:**	2/7/2022 2:05:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1429-01	**MW-21S**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/08/22	
N1429-03	**MW-21D**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/08/22	
N1429-03DL	**MW-21DDL**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/09/22	
N1429-05	**MW-25S**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/08/22	
N1429-05DL	**MW-25SDL**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/09/22	
N1429-07	**MW-22-R-S**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/08/22	
N1429-07DL	**MW-22-R-SDL**	**Water**			**02/07/22**			**02/07/22**
			VOCMS Group1	8260-Low			02/09/22	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-21S**								
N1429-01	MW-21S	Water	Vinyl Chloride		8.40		0.19	1.00	ug/L
N1429-01	MW-21S	Water	Acetone		3.30	J	1.60	5.00	ug/L
N1429-01	MW-21S	Water	trans-1,2-Dichloroethene		0.75	J	0.19	1.00	ug/L
N1429-01	MW-21S	Water	cis-1,2-Dichloroethene		130.00		0.22	1.00	ug/L
N1429-01	MW-21S	Water	Trichloroethene		17.30		0.17	1.00	ug/L
N1429-01	MW-21S	Water	Tetrachloroethene		25.00		0.17	1.00	ug/L
			Total Voc :		184.75				
N1429-01	MW-21S	Water	Hexanoic acid, 2-ethyl-	*	6.70	J	0	0	ug/L
			Total Tics :		6.7				
			Total Concentration:		191.45				
Client ID:	**MW-21D**								
N1429-03	MW-21D	Water	Vinyl Chloride		77.50		0.19	1.00	ug/L
N1429-03	MW-21D	Water	1,1-Dichloroethene		0.87	J	0.26	1.00	ug/L
N1429-03	MW-21D	Water	Acetone		5.70		1.60	5.00	ug/L
N1429-03	MW-21D	Water	trans-1,2-Dichloroethene		7.80		0.19	1.00	ug/L
N1429-03	MW-21D	Water	cis-1,2-Dichloroethene		600.00	E	0.22	1.00	ug/L
N1429-03	MW-21D	Water	Methylcyclohexane		0.73	J	0.14	1.00	ug/L
N1429-03	MW-21D	Water	Benzene		0.82	J	0.18	1.00	ug/L
N1429-03	MW-21D	Water	Trichloroethene		0.92	J	0.17	1.00	ug/L
N1429-03	MW-21D	Water	Tetrachloroethene		0.45	J	0.17	1.00	ug/L
			Total Voc :		694.79				
N1429-03	MW-21D	Water	Hexanoic acid, 2-ethyl-	*	6.20	J	0	0	ug/L
			Total Tics :		6.2				
			Total Concentration:		700.99				
Client ID:	**MW-21DDL**								
N1429-03DL	MW-21DDL	Water	Vinyl Chloride		69.80	D	1.90	10.0	ug/L
N1429-03DL	MW-21DDL	Water	trans-1,2-Dichloroethene		8.00	JD	1.90	10.0	ug/L
N1429-03DL	MW-21DDL	Water	cis-1,2-Dichloroethene		540.00	D	2.20	10.0	ug/L
N1429-03DL	MW-21DDL	Water	Trichloroethene		2.00	JD	1.70	10.0	ug/L
			Total Voc :		619.8				
			Total Concentration:		619.8				
Client ID:	**MW-25S**								
N1429-05	MW-25S	Water	Vinyl Chloride		9.90		0.19	1.00	ug/L
N1429-05	MW-25S	Water	1,1-Dichloroethene		0.40	J	0.26	1.00	ug/L
N1429-05	MW-25S	Water	Acetone		2.00	J	1.60	5.00	ug/L
N1429-05	MW-25S	Water	Methyl tert-butyl Ether		0.45	J	0.22	1.00	ug/L
N1429-05	MW-25S	Water	trans-1,2-Dichloroethene		2.10		0.19	1.00	ug/L
N1429-05	MW-25S	Water	cis-1,2-Dichloroethene		410.00	E	0.22	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
N1429-05	MW-25S	Water	Trichloroethene		57.40		0.17	1.00	ug/L
N1429-05	MW-25S	Water	Tetrachloroethene		71.70		0.17	1.00	ug/L
			Total Voc :		553.95				
			Total Concentration:		553.95				
Client ID:	**MW-25SDL**								
N1429-05DL	MW-25SDL	Water	Vinyl Chloride		17.20	D	1.90	10.0	ug/L
N1429-05DL	MW-25SDL	Water	trans-1,2-Dichloroethene		3.20	JD	1.90	10.0	ug/L
N1429-05DL	MW-25SDL	Water	cis-1,2-Dichloroethene		420.00	D	2.20	10.0	ug/L
N1429-05DL	MW-25SDL	Water	Trichloroethene		56.30	D	1.70	10.0	ug/L
N1429-05DL	MW-25SDL	Water	Tetrachloroethene		68.20	D	1.70	10.0	ug/L
			Total Voc :		564.9				
			Total Concentration:		564.9				
Client ID:	**MW-22-R-S**								
N1429-07	MW-22-R-S	Water	Vinyl Chloride		320.00	E	0.19	1.00	ug/L
N1429-07	MW-22-R-S	Water	1,1-Dichloroethene		0.77	J	0.26	1.00	ug/L
N1429-07	MW-22-R-S	Water	Acetone		1.90	J	1.60	5.00	ug/L
N1429-07	MW-22-R-S	Water	trans-1,2-Dichloroethene		9.90		0.19	1.00	ug/L
N1429-07	MW-22-R-S	Water	cis-1,2-Dichloroethene		550.00	E	0.22	1.00	ug/L
N1429-07	MW-22-R-S	Water	Methylcyclohexane		0.96	J	0.14	1.00	ug/L
N1429-07	MW-22-R-S	Water	Benzene		0.52	J	0.18	1.00	ug/L
N1429-07	MW-22-R-S	Water	Trichloroethene		0.50	J	0.17	1.00	ug/L
N1429-07	MW-22-R-S	Water	Tetrachloroethene		0.78	J	0.17	1.00	ug/L
			Total Voc :		885.33				
N1429-07	MW-22-R-S	Water	Hexanoic acid, 2-ethyl-	*	6.00	J	0	0	ug/L
			Total Tics :		6				
			Total Concentration:		891.33				
Client ID:	**MW-22-R-SDL**								
N1429-07DL	MW-22-R-SDL	Water	Vinyl Chloride		340.00	D	1.90	10.0	ug/L
N1429-07DL	MW-22-R-SDL	Water	trans-1,2-Dichloroethene		10.10	D	1.90	10.0	ug/L
N1429-07DL	MW-22-R-SDL	Water	cis-1,2-Dichloroethene		550.00	D	2.20	10.0	ug/L
			Total Voc :		900.1				
			Total Concentration:		900.1				

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21S	SDG No.:	N1429
Lab Sample ID:	N1429-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026828.D	1		02/08/22 17:33	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	8.40		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	3.30	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.75	J	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	130		0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21S	SDG No.:	N1429
Lab Sample ID:	N1429-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026828.D	1		02/08/22 17:33	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	25.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127000	5.562			
540-36-3	1,4-Difluorobenzene	211000	6.763			
3114-55-4	Chlorobenzene-d5	186000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	78600	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000149-57-5	Hexanoic acid, 2-ethyl-	6.70	J		13.1	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21S	SDG No.:	N1429
Lab Sample ID:	N1429-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026828.D	1		02/08/22 17:33	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21D	SDG No.:	N1429
Lab Sample ID:	N1429-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026829.D	1		02/08/22 17:56	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	77.5		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.87	J	0.26	1.00	ug/L
67-64-1	Acetone	5.70		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	7.80		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	600	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.73	J	0.14	1.00	ug/L
71-43-2	Benzene	0.82	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.92	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21D	SDG No.:	N1429
Lab Sample ID:	N1429-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026829.D	1		02/08/22 17:56	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.45	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.6		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		83 - 123	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120000	5.556			
540-36-3	1,4-Difluorobenzene	201000	6.769			
3114-55-4	Chlorobenzene-d5	177000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79900	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000149-57-5	Hexanoic acid, 2-ethyl-	6.20	J		13.1	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21D	SDG No.:	N1429
Lab Sample ID:	N1429-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026829.D	1		02/08/22 17:56	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21DDL	SDG No.:	N1429
Lab Sample ID:	N1429-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026869.D	10		02/09/22 15:02	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	69.8	D	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UDQ	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	8.00	JD	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	540	D	2.20	10.0	ug/L
67-66-3	Chloroform	10.0	UD	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.40	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	2.50	10.0	ug/L
79-01-6	Trichloroethene	2.00	JD	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	2.40	10.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21DDL	SDG No.:	N1429
Lab Sample ID:	N1429-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026869.D	10		02/09/22 15:02	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	50.0	UD	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	UD	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	10.0	UD	1.90	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.80	10.0	ug/L
1330-20-7	Total Xylenes	30.0	UD	5.10	30.0	ug/L
100-42-5	Styrene	10.0	UD	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		78 - 117	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	5.556			
540-36-3	1,4-Difluorobenzene	234000	6.763			
3114-55-4	Chlorobenzene-d5	206000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	87200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21DDL	SDG No.:	N1429
Lab Sample ID:	N1429-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026869.D	10		02/09/22 15:02	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25S	SDG No.:	N1429
Lab Sample ID:	N1429-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026830.D	1		02/08/22 18:19	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	9.90		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.40	J	0.26	1.00	ug/L
67-64-1	Acetone	2.00	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.45	J	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.10		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	410	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	57.4		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25S	SDG No.:	N1429
Lab Sample ID:	N1429-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026830.D	1		02/08/22 18:19	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	71.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.1		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	5.556			
540-36-3	1,4-Difluorobenzene	221000	6.763			
3114-55-4	Chlorobenzene-d5	191000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	83000	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25S	SDG No.:	N1429
Lab Sample ID:	N1429-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026830.D	1		02/08/22 18:19	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25SDL	SDG No.:	N1429
Lab Sample ID:	N1429-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026870.D	10		02/09/22 15:25	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	17.2	D	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UDQ	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	3.20	JD	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	420	D	2.20	10.0	ug/L
67-66-3	Chloroform	10.0	UD	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.40	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	2.50	10.0	ug/L
79-01-6	Trichloroethene	56.3	D	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	2.40	10.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25SDL	SDG No.:	N1429
Lab Sample ID:	N1429-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026870.D	10		02/09/22 15:25	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	50.0	UD	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	68.2	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	10.0	UD	1.90	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.80	10.0	ug/L
1330-20-7	Total Xylenes	30.0	UD	5.10	30.0	ug/L
100-42-5	Styrene	10.0	UD	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	53.6		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	5.556			
540-36-3	1,4-Difluorobenzene	216000	6.769			
3114-55-4	Chlorobenzene-d5	192000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79100	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25SDL	SDG No.:	N1429
Lab Sample ID:	N1429-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026870.D	10		02/09/22 15:25	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-S	SDG No.:	N1429
Lab Sample ID:	N1429-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026831.D	1		02/08/22 18:42	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	320	E	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.77	J	0.26	1.00	ug/L
67-64-1	Acetone	1.90	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	9.90		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	550	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.96	J	0.14	1.00	ug/L
71-43-2	Benzene	0.52	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.50	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-S	SDG No.:	N1429
Lab Sample ID:	N1429-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026831.D	1		02/08/22 18:42	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.78	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.7		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	134000	5.562			
540-36-3	1,4-Difluorobenzene	225000	6.769			
3114-55-4	Chlorobenzene-d5	194000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	85600	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000149-57-5	Hexanoic acid, 2-ethyl-	6.00	J		13.1	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-S	SDG No.:	N1429
Lab Sample ID:	N1429-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026831.D	1		02/08/22 18:42	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-SDL	SDG No.:	N1429
Lab Sample ID:	N1429-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026871.D	10		02/09/22 16:11	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	340	D	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UDQ	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.1	D	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	550	D	2.20	10.0	ug/L
67-66-3	Chloroform	10.0	UD	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.40	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	2.50	10.0	ug/L
79-01-6	Trichloroethene	10.0	UD	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	2.40	10.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-SDL	SDG No.:	N1429
Lab Sample ID:	N1429-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026871.D	10		02/09/22 16:11	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	50.0	UD	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	10.0	UD	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	10.0	UD	1.90	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.80	10.0	ug/L
1330-20-7	Total Xylenes	30.0	UD	5.10	30.0	ug/L
100-42-5	Styrene	10.0	UD	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.1		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	128000	5.556			
540-36-3	1,4-Difluorobenzene	214000	6.763			
3114-55-4	Chlorobenzene-d5	186000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	78600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-SDL	SDG No.:	N1429
Lab Sample ID:	N1429-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026871.D	10		02/09/22 16:11	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N1429-01	MW-21S	1,2-Dichloroethane-d4	50	52.5	105	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	54.4	109	83	123
N1429-03	MW-21D	1,2-Dichloroethane-d4	50	53.5	107	78	117
		Dibromofluoromethane	50	53.5	107	75	124
		Toluene-d8	50	52.6	105	92	112
		4-Bromofluorobenzene	50	55.6	111	83	123
N1429-03DL	MW-21DDL	1,2-Dichloroethane-d4	50	52.2	104	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	53.2	106	83	123
N1429-05	MW-25S	1,2-Dichloroethane-d4	50	53.4	107	78	117
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	52.1	104	92	112
		4-Bromofluorobenzene	50	53.8	108	83	123
N1429-05DL	MW-25SDL	1,2-Dichloroethane-d4	50	53.0	106	78	117
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	53.6	107	92	112
		4-Bromofluorobenzene	50	54.2	108	83	123
N1429-07	MW-22-R-S	1,2-Dichloroethane-d4	50	52.9	106	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	51.7	103	92	112
		4-Bromofluorobenzene	50	53.5	107	83	123
N1429-07DL	MW-22-R-SDL	1,2-Dichloroethane-d4	50	54.4	109	78	117
		Dibromofluoromethane	50	52.8	106	75	124
		Toluene-d8	50	52.1	104	92	112
		4-Bromofluorobenzene	50	52.5	105	83	123
VX0208WBL01	VX0208WBL01	1,2-Dichloroethane-d4	50	51.8	104	78	117
		Dibromofluoromethane	50	52.1	104	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	53.9	108	83	123
VX0208WBS01	VX0208WBS01	1,2-Dichloroethane-d4	50	50.1	100	78	117
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	51.3	103	92	112
		4-Bromofluorobenzene	50	52.2	104	83	123
VX0208WBSD0	VX0208WBSD01	1,2-Dichloroethane-d4	50	51.1	102	78	117
		Dibromofluoromethane	50	51.5	103	75	124
		Toluene-d8	50	50.9	102	92	112
		4-Bromofluorobenzene	50	52.5	105	83	123
VX0209WBL01	VX0209WBL01	1,2-Dichloroethane-d4	50	53.0	106	78	117
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	52.8	106	92	112
		4-Bromofluorobenzene	50	52.6	105	83	123
VX0209WBS01	VX0209WBS01	1,2-Dichloroethane-d4	50	53.5	107	78	117
		Dibromofluoromethane	50	53.4	107	75	124
		Toluene-d8	50	55.0	110	92	112
		4-Bromofluorobenzene	50	56.1	112	83	123

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026814.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0208WBS01	Dichlorodifluoromethane	20	20.2	ug/L	101			69	116	
	Chloromethane	20	19.4	ug/L	97			65	116	
	Vinyl chloride	20	19.9	ug/L	100			65	117	
	Bromomethane	20	21.3	ug/L	106			55	134	
	Chloroethane	20	19.4	ug/L	97			73	112	
	Trichlorofluoromethane	20	20.1	ug/L	101			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			80	112	
	1,1-Dichloroethene	20	19.9	ug/L	100			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	19.5	ug/L	98			64	112	
	Methyl tert-butyl Ether	20	19.5	ug/L	98			78	114	
	Methyl Acetate	20	18.3	ug/L	92			67	125	
	Methylene Chloride	20	19.3	ug/L	97			72	114	
	trans-1,2-Dichloroethene	20	20.4	ug/L	102			75	108	
	1,1-Dichloroethane	20	20.1	ug/L	101			78	112	
	Cyclohexane	20	20.0	ug/L	100			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	20.0	ug/L	100			77	113	
	cis-1,2-Dichloroethene	20	20.2	ug/L	101			77	110	
	Chloroform	20	19.7	ug/L	99			79	113	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			80	108	
	Methylcyclohexane	20	21.2	ug/L	106			72	115	
	Benzene	20	20.1	ug/L	101			82	109	
	1,2-Dichloroethane	20	20.8	ug/L	104			80	115	
	Trichloroethene	20	20.0	ug/L	100			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Bromodichloromethane	20	20.7	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.8	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	20.8	ug/L	104			82	110	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	20.5	ug/L	103			81	110	
	Tetrachloroethene	20	20.4	ug/L	102			67	123	
	Chlorobenzene	20	20.5	ug/L	103			82	109	
	1,1,1,2-Tetrachloroethane	20	20.8	ug/L	104			84	111	
	Ethyl Benzene	20	20.7	ug/L	104			83	109	
	m/p-Xylenes	40	41.1	ug/L	103			82	110	
	o-Xylene	20	20.7	ug/L	104			83	109	
	Styrene	20	20.8	ug/L	104			80	111	
	Bromoform	20	19.3	ug/L	97			79	109	
	Isopropylbenzene	20	20.7	ug/L	104			83	112	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/L	102			76	118	
	1,3-Dichlorobenzene	20	20.1	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.2	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.2	ug/L	101			82	109	
	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026814.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0208WBS01	1,2,4-Trichlorobenzene	20	20.6	ug/L	103			74	114	
	1,2,3-Trichlorobenzene	20	20.4	ug/L	102			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026815.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0208WBSD01	Dichlorodifluoromethane	20	19.8	ug/L	99	2		69	116	20
	Chloromethane	20	18.7	ug/L	94	3		65	116	20
	Vinyl chloride	20	19.0	ug/L	95	5		65	117	20
	Bromomethane	20	21.3	ug/L	106	0		55	134	20
	Chloroethane	20	19.0	ug/L	95	2		73	112	20
	Trichlorofluoromethane	20	20.0	ug/L	100	1		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/L	103	1		80	112	20
	1,1-Dichloroethene	20	19.2	ug/L	96	4		74	110	20
	Acetone	100	110	ug/L	110	9		60	125	20
	Carbon disulfide	20	19.2	ug/L	96	2		64	112	20
	Methyl tert-butyl Ether	20	20.0	ug/L	100	2		78	114	20
	Methyl Acetate	20	19.1	ug/L	96	4		67	125	20
	Methylene Chloride	20	19.1	ug/L	96	1		72	114	20
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	1		75	108	20
	1,1-Dichloroethane	20	19.9	ug/L	100	1		78	112	20
	Cyclohexane	20	20.3	ug/L	102	2		75	110	20
	2-Butanone	100	100	ug/L	100	0		65	122	20
	Carbon Tetrachloride	20	19.9	ug/L	100	0		77	113	20
	cis-1,2-Dichloroethene	20	20.1	ug/L	101	0		77	110	20
	Chloroform	20	19.7	ug/L	99	0		79	113	20
	1,1,1-Trichloroethane	20	19.5	ug/L	98	1		80	108	20
	Methylcyclohexane	20	20.7	ug/L	104	2		72	115	20
	Benzene	20	19.9	ug/L	100	1		82	109	20
	1,2-Dichloroethane	20	20.9	ug/L	104	0		80	115	20
	Trichloroethene	20	19.7	ug/L	99	1		77	113	20
	1,2-Dichloropropane	20	20.0	ug/L	100	1		83	111	20
	Bromodichloromethane	20	20.7	ug/L	104	0		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		74	118	20
	Toluene	20	19.6	ug/L	98	1		82	110	20
	t-1,3-Dichloropropene	20	19.2	ug/L	96	1		79	110	20
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	1		82	110	20
	1,1,2-Trichloroethane	20	20.5	ug/L	103	1		83	112	20
	2-Hexanone	100	110	ug/L	110	0		73	117	20
	Dibromochloromethane	20	20.5	ug/L	103	0		82	110	20
	1,2-Dibromoethane	20	20.5	ug/L	103	0		81	110	20
	Tetrachloroethene	20	19.8	ug/L	99	3		67	123	20
	Chlorobenzene	20	20.1	ug/L	101	2		82	109	20
	1,1,1,2-Tetrachloroethane	20	20.5	ug/L	103	1		84	111	20
	Ethyl Benzene	20	20.5	ug/L	103	1		83	109	20
	m/p-Xylenes	40	40.8	ug/L	102	1		82	110	20
	o-Xylene	20	20.0	ug/L	100	4		83	109	20
	Styrene	20	20.8	ug/L	104	0		80	111	20
	Bromoform	20	20.3	ug/L	102	5		79	109	20
	Isopropylbenzene	20	20.2	ug/L	101	3		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104	2		76	118	20
	1,3-Dichlorobenzene	20	20.0	ug/L	100	1		82	108	20
	1,4-Dichlorobenzene	20	20.5	ug/L	103	2		82	107	20
	1,2-Dichlorobenzene	20	20.5	ug/L	103	2		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101	0		68	112	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026815.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0208WBSD01	1,2,4-Trichlorobenzene	20	20.3	ug/L	102	1		74	114	20
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101	1		77	113	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026867.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0209WBS01	Dichlorodifluoromethane	20	21.2	ug/L	106			69	116	
	Chloromethane	20	21.1	ug/L	106			65	116	
	Vinyl chloride	20	20.2	ug/L	101			65	117	
	Bromomethane	20	21.8	ug/L	109			55	134	
	Chloroethane	20	20.4	ug/L	102			73	112	
	Trichlorofluoromethane	20	20.4	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			80	112	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acetone	100	130	ug/L	130		*	60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	19.5	ug/L	98			78	114	
	Methyl Acetate	20	19.2	ug/L	96			67	125	
	Methylene Chloride	20	19.6	ug/L	98			72	114	
	trans-1,2-Dichloroethene	20	19.8	ug/L	99			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	20.0	ug/L	100			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			77	110	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Methylcyclohexane	20	21.1	ug/L	106			72	115	
	Benzene	20	20.2	ug/L	101			82	109	
	1,2-Dichloroethane	20	21.0	ug/L	105			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	1,2-Dichloropropane	20	19.7	ug/L	99			83	111	
	Bromodichloromethane	20	20.8	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			79	110	
	cis-1,3-Dichloropropene	20	21.4	ug/L	107			82	110	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.2	ug/L	106			82	110	
	1,2-Dibromoethane	20	21.0	ug/L	105			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	20.4	ug/L	102			82	109	
	1,1,1,2-Tetrachloroethane	20	20.7	ug/L	104			84	111	
	Ethyl Benzene	20	21.0	ug/L	105			83	109	
	m/p-Xylenes	40	41.6	ug/L	104			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	20.6	ug/L	103			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	21.0	ug/L	105			83	112	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			76	118	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.1	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95			68	112	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1429

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026867.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0209WBS01	1,2,4-Trichlorobenzene	20	20.3	ug/L	102			74	114	
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101			77	113	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0208WBL01

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026813.D Lab Sample ID: VX0208WBL01

Date Analyzed: 02/08/2022 Time Analyzed: 11:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0208WBS01	VX0208WBS01	VX026814.D	02/08/2022
VX0208WBSD01	VX0208WBSD01	VX026815.D	02/08/2022
MW-21S	N1429-01	VX026828.D	02/08/2022
MW-21D	N1429-03	VX026829.D	02/08/2022
MW-25S	N1429-05	VX026830.D	02/08/2022
MW-22-R-S	N1429-07	VX026831.D	02/08/2022

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0209WBL01

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026866.D Lab Sample ID: VX0209WBL01

Date Analyzed: 02/09/2022 Time Analyzed: 12:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0209WBS01	VX0209WBS01	VX026867.D	02/09/2022
MW-21DDL	N1429-03DL	VX026869.D	02/09/2022
MW-25SDL	N1429-05DL	VX026870.D	02/09/2022
MW-22-R-SDL	N1429-07DL	VX026871.D	02/09/2022

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026801.D BFB Injection Date: 02/07/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:25

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	70.3 (96.1) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX026802.D	02/07/2022	23:57
VSTDICC005	VSTDICC005	VX026803.D	02/08/2022	00:43
VSTDICC020	VSTDICC020	VX026804.D	02/08/2022	01:06
VSTDICCC050	VSTDICCC050	VX026805.D	02/08/2022	01:29
VSTDICC100	VSTDICC100	VX026806.D	02/08/2022	01:52
VSTDICC150	VSTDICC150	VX026807.D	02/08/2022	02:15

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026810.D BFB Injection Date: 02/08/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:38

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.4
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	67.9 (95.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026811.D	02/08/2022	10:41
VX0208WBL01	VX0208WBL01	VX026813.D	02/08/2022	11:37
VX0208WBS01	VX0208WBS01	VX026814.D	02/08/2022	12:05
VX0208WBSD01	VX0208WBSD01	VX026815.D	02/08/2022	12:31
MW-21S	N1429-01	VX026828.D	02/08/2022	17:33
MW-21D	N1429-03	VX026829.D	02/08/2022	17:56
MW-25S	N1429-05	VX026830.D	02/08/2022	18:19
MW-22-R-S	N1429-07	VX026831.D	02/08/2022	18:42

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026863.D BFB Injection Date: 02/09/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70.8 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026864.D	02/09/2022	11:48
VX0209WBL01	VX0209WBL01	VX026866.D	02/09/2022	12:43
VX0209WBS01	VX0209WBS01	VX026867.D	02/09/2022	14:08
MW-21DDL	N1429-03DL	VX026869.D	02/09/2022	15:02
MW-25SDL	N1429-05DL	VX026870.D	02/09/2022	15:25
MW-22-R-SDL	N1429-07DL	VX026871.D	02/09/2022	16:11

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026811.D Date Analyzed: 02/08/2022

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	102440	5.56	163948	6.76	141561	10.06
UPPER LIMIT	204880	6.056	327896	7.263	283122	10.555
LOWER LIMIT	51220	5.056	81974	6.263	70780.5	9.555
EPA SAMPLE NO.						
MW-21S	127077	5.56	210543	6.76	185895	10.06
MW-21D	120425	5.56	201298	6.77	176772	10.06
MW-25S	132739	5.56	221016	6.76	190644	10.06
MW-22-R-S	134085	5.56	225331	6.77	194431	10.06
VX0208WBL01	131629	5.56	216741	6.76	189819	10.06
VX0208WBS01	104943	5.56	168208	6.76	142390	10.06
VX0208WBSD01	100530	5.56	161727	6.76	137064	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026811.D Date Analyzed: 02/08/2022

Instrument ID: MSVOA_X Time Analyzed: 10:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	64467	12.024				
UPPER LIMIT	128934	12.524				
LOWER LIMIT	32233.5	11.524				
EPA SAMPLE NO.						
MW-21S	78556	12.02				
MW-21D	79926	12.02				
MW-25S	82991	12.02				
MW-22-R-S	85607	12.02				
VX0208WBL01	82409	12.02				
VX0208WBS01	65480	12.02				
VX0208WBSD01	63097	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026864.D Date Analyzed: 02/09/2022

Instrument ID: MSVOA_X Time Analyzed: 11:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	99838	5.56	162158	6.76	136064	10.06
UPPER LIMIT	199676	6.056	324316	7.263	272128	10.555
LOWER LIMIT	49919	5.056	81079	6.263	68032	9.555
EPA SAMPLE NO.						
MW-21DDL	141355	5.56	234404	6.76	205579	10.06
MW-25SDL	129226	5.56	215964	6.77	191916	10.06
MW-22-R-SDL	127592	5.56	214498	6.76	185991	10.06
VX0209WBL01	133120	5.56	221520	6.76	195208	10.06
VX0209WBS01	107079	5.56	172356	6.76	150626	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG NO.: N1429

Lab File ID: VX026864.D Date Analyzed: 02/09/2022

Instrument ID: MSVOA_X Time Analyzed: 11:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61558	12.024				
UPPER LIMIT	123116	12.524				
LOWER LIMIT	30779	11.524				
EPA SAMPLE NO.						
MW-21DDL	87220	12.02				
MW-25SDL	79093	12.02				
MW-22-R-SDL	78597	12.02				
VX0209WBL01	80182	12.02				
VX0209WBS01	68579	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBL01	SDG No.:	N1429
Lab Sample ID:	VX0208WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026813.D	1		02/08/22 11:37	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBL01	SDG No.:	N1429
Lab Sample ID:	VX0208WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026813.D	1		02/08/22 11:37	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		78 - 117	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		83 - 123	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	5.556			
540-36-3	1,4-Difluorobenzene	217000	6.763			
3114-55-4	Chlorobenzene-d5	190000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	82400	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBL01	SDG No.:	N1429
Lab Sample ID:	VX0208WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026813.D	1		02/08/22 11:37	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1429
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1429
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	52.8		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	5.556			
540-36-3	1,4-Difluorobenzene	222000	6.763			
3114-55-4	Chlorobenzene-d5	195000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	80200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1429
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBS01	SDG No.:	N1429
Lab Sample ID:	VX0208WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026814.D	1		02/08/22 12:05	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.2		0.23	1.00	ug/L
74-87-3	Chloromethane	19.4		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.9		0.19	1.00	ug/L
74-83-9	Bromomethane	21.3		0.87	5.00	ug/L
75-00-3	Chloroethane	19.4		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.26	1.00	ug/L
67-64-1	Acetone	120		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	19.5		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.5		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.4		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.0		1.30	5.00	ug/L
78-93-3	2-Butanone	100		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.22	1.00	ug/L
67-66-3	Chloroform	19.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.2		0.14	1.00	ug/L
71-43-2	Benzene	20.1		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	19.8		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.8		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBS01	SDG No.:	N1429
Lab Sample ID:	VX0208WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026814.D	1		02/08/22 12:05	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.8		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.7		0.18	1.00	ug/L
1330-20-7	Total Xylenes	61.8		0.51	3.00	ug/L
100-42-5	Styrene	20.8		0.16	1.00	ug/L
75-25-2	Bromoform	19.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.7		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.3		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.2		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.6		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.4		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		78 - 117	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	105000	5.556			
540-36-3	1,4-Difluorobenzene	168000	6.763			
3114-55-4	Chlorobenzene-d5	142000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	65500	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBS01	SDG No.:	N1429
Lab Sample ID:	VX0208WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026814.D	1		02/08/22 12:05	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1429
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.2		0.23	1.00	ug/L
74-87-3	Chloromethane	21.1		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.19	1.00	ug/L
74-83-9	Bromomethane	21.8		0.87	5.00	ug/L
75-00-3	Chloroethane	20.4		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
67-64-1	Acetone	130		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.5		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.0		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.9		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.14	1.00	ug/L
71-43-2	Benzene	20.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.4		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.4		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1429
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.18	1.00	ug/L
1330-20-7	Total Xylenes	61.8		0.51	3.00	ug/L
100-42-5	Styrene	20.6		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	55.0		92 - 112	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	5.556			
540-36-3	1,4-Difluorobenzene	172000	6.763			
3114-55-4	Chlorobenzene-d5	151000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1429
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBSD01	SDG No.:	N1429
Lab Sample ID:	VX0208WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026815.D	1		02/08/22 12:31	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.8		0.23	1.00	ug/L
74-87-3	Chloromethane	18.7		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.19	1.00	ug/L
74-83-9	Bromomethane	21.3		0.87	5.00	ug/L
75-00-3	Chloroethane	19.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.26	1.00	ug/L
67-64-1	Acetone	110		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	19.2		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.1		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.3		1.30	5.00	ug/L
78-93-3	2-Butanone	100		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.22	1.00	ug/L
67-66-3	Chloroform	19.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.7		0.14	1.00	ug/L
71-43-2	Benzene	19.9		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	19.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.2		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBSD01	SDG No.:	N1429
Lab Sample ID:	VX0208WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026815.D	1		02/08/22 12:31	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.5		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.18	1.00	ug/L
1330-20-7	Total Xylenes	60.8		0.51	3.00	ug/L
100-42-5	Styrene	20.8		0.16	1.00	ug/L
75-25-2	Bromoform	20.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.5		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		78 - 117	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.9		92 - 112	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	101000	5.556			
540-36-3	1,4-Difluorobenzene	162000	6.763			
3114-55-4	Chlorobenzene-d5	137000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	63100	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0208WBSD01	SDG No.:	N1429
Lab Sample ID:	VX0208WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026815.D	1		02/08/22 12:31	VX020822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.534	0.505	0.549	0.536	0.590	0.548	0.544	5.1
Chloromethane	0.544	0.485	0.512	0.486	0.521	0.486	0.506	4.8
Vinyl Chloride	0.507	0.517	0.534	0.519	0.570	0.529	0.529	4.2
Bromomethane		0.227	0.226	0.205	0.242	0.223	0.225	6
Chloroethane	0.320	0.304	0.317	0.303	0.239	0.204	0.281	17
Trichlorofluoromethane	0.769	0.752	0.760	0.770	0.843	0.782	0.779	4.2
1,1,2-Trichlorotrifluoroethane	0.477	0.511	0.509	0.499	0.557	0.511	0.511	5.1
1,1-Dichloroethene	0.505	0.508	0.495	0.499	0.552	0.510	0.512	4
Acetone	0.313	0.266	0.253	0.245	0.263	0.242	0.264	9.8
Carbon Disulfide	1.507	1.402	1.401	1.393	1.553	1.435	1.449	4.6
Methyl tert-butyl Ether	1.873	1.792	1.760	1.744	1.929	1.770	1.811	4
Methyl Acetate	0.915	0.748	0.732	0.708	0.751	0.697	0.758	10.5
Methylene Chloride	0.648	0.571	0.550	0.533	0.587	0.538	0.571	7.5
trans-1,2-Dichloroethene	0.497	0.533	0.529	0.530	0.594	0.547	0.538	5.9
1,1-Dichloroethane	0.952	0.975	0.976	0.960	1.073	0.988	0.987	4.4
Cyclohexane		0.963	0.932	0.927	1.012	0.935	0.954	3.7
2-Butanone	0.433	0.424	0.432	0.415	0.441	0.404	0.425	3.2
Carbon Tetrachloride	0.505	0.455	0.469	0.476	0.543	0.509	0.493	6.5
cis-1,2-Dichloroethene	0.569	0.612	0.617	0.610	0.679	0.622	0.618	5.7
Chloroform	1.085	1.028	1.006	0.977	1.075	0.984	1.026	4.5
1,1,1-Trichloroethane	0.868	0.882	0.875	0.888	0.994	0.920	0.905	5.2
Methylcyclohexane	0.540	0.553	0.568	0.565	0.638	0.594	0.576	6.1
Benzene	1.401	1.355	1.341	1.320	1.450	1.351	1.370	3.5
1,2-Dichloroethane	0.464	0.474	0.485	0.472	0.521	0.479	0.483	4.2
Trichloroethene	0.398	0.402	0.403	0.400	0.447	0.417	0.411	4.6
1,2-Dichloropropane	0.349	0.342	0.345	0.335	0.371	0.339	0.347	3.7
Bromodichloromethane	0.429	0.435	0.456	0.457	0.509	0.470	0.459	6.3
4-Methyl-2-Pentanone	0.523	0.490	0.521	0.480	0.511	0.462	0.498	4.9
Toluene	0.946	0.848	0.856	0.824	0.903	0.826	0.867	5.5
t-1,3-Dichloropropene	0.350	0.383	0.448	0.463	0.536	0.496	0.446	15.5
cis-1,3-Dichloropropene	0.424	0.449	0.503	0.523	0.592	0.551	0.507	12.4
1,1,2-Trichloroethane	0.321	0.328	0.337	0.321	0.348	0.315	0.328	3.7
2-Hexanone	0.362	0.353	0.384	0.354	0.383	0.350	0.364	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.285	0.309	0.348	0.343	0.388	0.354	0.338	10.7
1,2-Dibromoethane	0.332	0.335	0.358	0.341	0.373	0.343	0.347	4.5
Tetrachloroethene	0.453	0.496	0.512	0.508	0.546	0.498	0.502	6
Chlorobenzene	1.041	1.041	1.023	1.000	1.095	1.004	1.034	3.3
1,1,1,2-Tetrachloroethane	0.356	0.367	0.379	0.375	0.419	0.386	0.380	5.7
Ethyl Benzene	1.702	1.817	1.839	1.807	1.990	1.826	1.830	5
m/p-Xylenes	0.688	0.693	0.701	0.687	0.757	0.699	0.704	3.8
o-Xylene	0.688	0.685	0.686	0.672	0.735	0.675	0.690	3.3
Styrene	1.026	1.076	1.136	1.108	1.230	1.139	1.119	6.1
Bromoform	0.199	0.238	0.262	0.268	0.315	0.299	0.263	15.9
Isopropylbenzene	3.918	3.954	4.077	3.901	4.097	3.684	3.938	3.8
1,1,2,2-Tetrachloroethane	1.153	1.117	1.064	0.996	1.081	1.002	1.069	5.8
1,3-Dichlorobenzene	1.749	1.687	1.695	1.650	1.838	1.673	1.715	4
1,4-Dichlorobenzene	1.773	1.710	1.729	1.654	1.821	1.693	1.730	3.4
1,2-Dichlorobenzene	1.615	1.685	1.656	1.616	1.754	1.605	1.655	3.5
1,2-Dibromo-3-Chloropropane	0.225	0.237	0.250	0.269	0.305	0.292	0.263	11.9
1,2,4-Trichlorobenzene	0.970	0.945	1.015	1.038	1.180	1.120	1.045	8.6
1,2,3-Trichlorobenzene	0.970	0.997	1.041	1.048	1.185	1.105	1.058	7.3
1,2-Dichloroethane-d4		0.622	0.609	0.555	0.621	0.593	0.600	4.7
Dibromofluoromethane		0.297	0.302	0.272	0.313	0.305	0.298	5.3
Toluene-d8		1.080	1.148	1.004	1.134	1.103	1.093	5.2
4-Bromofluorobenzene		0.371	0.400	0.352	0.407	0.395	0.385	5.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date/Time: 02/08/2022 10:41

Lab File ID: VX026811.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.551		1.29	20
Chloromethane	0.506	0.499	0.1	-1.38	20
Vinyl Chloride	0.529	0.531		0.38	20
Bromomethane	0.225	0.234		4	20
Chloroethane	0.281	0.300		6.76	20
Trichlorofluoromethane	0.779	0.767		-1.54	20
1,1,2-Trichlorotrifluoroethane	0.511	0.521		1.96	20
1,1-Dichloroethene	0.512	0.493		-3.71	20
Acetone	0.264	0.312		18.18	20
Carbon Disulfide	1.449	1.404		-3.11	20
Methyl tert-butyl Ether	1.811	1.787		-1.33	20
Methyl Acetate	0.758	0.714		-5.8	20
Methylene Chloride	0.571	0.547		-4.2	20
trans-1,2-Dichloroethene	0.538	0.535		-0.56	20
1,1-Dichloroethane	0.987	0.971	0.1	-1.62	20
Cyclohexane	0.954	0.939		-1.57	20
2-Butanone	0.425	0.464		9.18	20
Carbon Tetrachloride	0.493	0.504		2.23	20
cis-1,2-Dichloroethene	0.618	0.617		-0.16	20
Chloroform	1.026	0.999		-2.63	20
1,1,1-Trichloroethane	0.905	0.900		-0.55	20
Methylcyclohexane	0.576	0.610		5.9	20
Benzene	1.370	1.374		0.29	20
1,2-Dichloroethane	0.483	0.499		3.31	20
Trichloroethene	0.411	0.418		1.7	20
1,2-Dichloropropane	0.347	0.350		0.87	20
Bromodichloromethane	0.459	0.493		7.41	20
4-Methyl-2-Pentanone	0.498	0.507		1.81	20
Toluene	0.867	0.871		0.46	20
t-1,3-Dichloropropene	0.446	0.524		17.49	20
cis-1,3-Dichloropropene	0.507	0.577		13.81	20
1,1,2-Trichloroethane	0.328	0.343		4.57	20
2-Hexanone	0.364	0.390		7.14	20
Dibromochloromethane	0.338	0.378		11.83	20
1,2-Dibromoethane	0.347	0.371		6.92	20
Tetrachloroethene	0.502	0.508		1.2	20
Chlorobenzene	1.034	1.056	0.3	2.13	20
1,1,1,2-Tetrachloroethane	0.380	0.402		5.79	20
Ethyl Benzene	1.830	1.897		3.66	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date/Time: 02/08/2022 10:41

Lab File ID: VX026811.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.725		2.98	20
o-Xylene	0.690	0.707		2.46	20
Styrene	1.119	1.166		4.2	20
Bromoform	0.263	0.298	0.1	13.31	20
Isopropylbenzene	3.938	4.089		3.83	20
1,1,2,2-Tetrachloroethane	1.069	1.058	0.3	-1.03	20
1,3-Dichlorobenzene	1.715	1.748		1.92	20
1,4-Dichlorobenzene	1.730	1.774		2.54	20
1,2-Dichlorobenzene	1.655	1.686		1.87	20
1,2-Dibromo-3-Chloropropane	0.263	0.282		7.22	20
1,2,4-Trichlorobenzene	1.045	1.133		8.42	20
1,2,3-Trichlorobenzene	1.058	1.114		5.29	20
1,2-Dichloroethane-d4	0.600	0.622		3.67	20
Dibromofluoromethane	0.298	0.315		5.7	20
Toluene-d8	1.093	1.165		6.59	20
4-Bromofluorobenzene	0.385	0.415		7.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date/Time: 02/09/2022 11:48

Lab File ID: VX026864.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.587		7.9	20
Chloromethane	0.506	0.532	0.1	5.14	20
Vinyl Chloride	0.529	0.564		6.62	20
Bromomethane	0.225	0.243		8	20
Chloroethane	0.281	0.325		15.66	20
Trichlorofluoromethane	0.779	0.835		7.19	20
1,1,2-Trichlorotrifluoroethane	0.511	0.563		10.18	20
1,1-Dichloroethene	0.512	0.534		4.3	20
Acetone	0.264	0.312		18.18	20
Carbon Disulfide	1.449	1.478		2	20
Methyl tert-butyl Ether	1.811	1.913		5.63	20
Methyl Acetate	0.758	0.756		-0.26	20
Methylene Chloride	0.571	0.582		1.93	20
trans-1,2-Dichloroethene	0.538	0.571		6.13	20
1,1-Dichloroethane	0.987	1.053	0.1	6.69	20
Cyclohexane	0.954	1.009		5.76	20
2-Butanone	0.425	0.466		9.65	20
Carbon Tetrachloride	0.493	0.526		6.69	20
cis-1,2-Dichloroethene	0.618	0.663		7.28	20
Chloroform	1.026	1.078		5.07	20
1,1,1-Trichloroethane	0.905	0.969		7.07	20
Methylcyclohexane	0.576	0.647		12.33	20
Benzene	1.370	1.455		6.2	20
1,2-Dichloroethane	0.483	0.532		10.15	20
Trichloroethene	0.411	0.432		5.11	20
1,2-Dichloropropane	0.347	0.371		6.92	20
Bromodichloromethane	0.459	0.513		11.77	20
4-Methyl-2-Pentanone	0.498	0.523		5.02	20
Toluene	0.867	0.905		4.38	20
t-1,3-Dichloropropene	0.446	0.545		22.2	20
cis-1,3-Dichloropropene	0.507	0.604		19.13	20
1,1,2-Trichloroethane	0.328	0.356		8.54	20
2-Hexanone	0.364	0.389		6.87	20
Dibromochloromethane	0.338	0.380		12.43	20
1,2-Dibromoethane	0.347	0.376		8.36	20
Tetrachloroethene	0.502	0.546		8.77	20
Chlorobenzene	1.034	1.112	0.3	7.54	20
1,1,1,2-Tetrachloroethane	0.380	0.420		10.53	20
Ethyl Benzene	1.830	2.014		10.06	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1429 SAS No.: N1429 SDG No.: N1429

Instrument ID: MSVOA_X Calibration Date/Time: 02/09/2022 11:48

Lab File ID: VX026864.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.769		9.23	20
o-Xylene	0.690	0.747		8.26	20
Styrene	1.119	1.225		9.47	20
Bromoform	0.263	0.300	0.1	14.07	20
Isopropylbenzene	3.938	4.313		9.52	20
1,1,2,2-Tetrachloroethane	1.069	1.108	0.3	3.65	20
1,3-Dichlorobenzene	1.715	1.857		8.28	20
1,4-Dichlorobenzene	1.730	1.858		7.4	20
1,2-Dichlorobenzene	1.655	1.777		7.37	20
1,2-Dibromo-3-Chloropropane	0.263	0.288		9.51	20
1,2,4-Trichlorobenzene	1.045	1.186		13.49	20
1,2,3-Trichlorobenzene	1.058	1.188		12.29	20
1,2-Dichloroethane-d4	0.600	0.653		8.83	20
Dibromofluoromethane	0.298	0.324		8.73	20
Toluene-d8	1.093	1.181		8.05	20
4-Bromofluorobenzene	0.385	0.415		7.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
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LAB CHRONICLE

OrderID:	N1429	**OrderDate:**	2/7/2022 2:05:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1429-01	**MW-21S**	**Water**			**02/07/22**			**02/07/22**
			Metals Group4	6010D		02/11/22	02/11/22	
N1429-02	**MW-21S**	**Water**			**02/07/22**			**02/07/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/11/22	
N1429-03	**MW-21D**	**Water**			**02/07/22**			**02/07/22**
			Metals Group4	6010D		02/11/22	02/11/22	
			Metals Group4	6010D		02/11/22	02/14/22	
N1429-04	**MW-21D**	**Water**			**02/07/22**			**02/07/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/11/22	
N1429-05	**MW-25S**	**Water**			**02/07/22**			**02/07/22**
			Metals Group4	6010D		02/11/22	02/11/22	
N1429-06	**MW-25S**	**Water**			**02/07/22**			**02/07/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/11/22	
N1429-07	**MW-22-R-S**	**Water**			**02/07/22**			**02/07/22**
			Metals Group4	6010D		02/11/22	02/11/22	
N1429-08	**MW-22-R-S**	**Water**			**02/07/22**			**02/07/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/11/22	

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Hit Summary Sheet
SW-846

SDG No.: N1429 **Order ID:** N1429

Client: Envirotrac Environmental Services Ltd. **Project ID:** NYSDEC Crown Dykman – Glen Cove

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-21S								
N1429-01	MW-21S	Water	Iron	1,490.000		9.31	50.0	ug/L
N1429-01	MW-21S	Water	Manganese	4,300.000		0.85	10.0	ug/L
N1429-01	MW-21S	Water	Sodium	60,300.000		167	1000	ug/L
Client ID : MW-21S								
N1429-02	MW-21S	Water	Iron	462.000		9.31	50.0	ug/L
N1429-02	MW-21S	Water	Manganese	4,000.000		0.85	10.0	ug/L
Client ID : MW-21D								
N1429-03	MW-21D	Water	Iron	23,800.000		9.31	50.0	ug/L
N1429-03	MW-21D	Water	Manganese	32,100.000	D	8.52	100	ug/L
N1429-03	MW-21D	Water	Sodium	105,000.000		167	1000	ug/L
Client ID : MW-21D								
N1429-04	MW-21D	Water	Iron	82.800		9.31	50.0	ug/L
N1429-04	MW-21D	Water	Manganese	10,000.000		0.85	10.0	ug/L
Client ID : MW-25S								
N1429-05	MW-25S	Water	Iron	273.000		9.31	50.0	ug/L
N1429-05	MW-25S	Water	Manganese	2,630.000		0.85	10.0	ug/L
N1429-05	MW-25S	Water	Sodium	48,200.000		167	1000	ug/L
Client ID : MW-25S								
N1429-06	MW-25S	Water	Iron	20.300	J	9.31	50.0	ug/L
N1429-06	MW-25S	Water	Manganese	2,570.000		0.85	10.0	ug/L
Client ID : MW-22-R-S								
N1429-07	MW-22-R-S	Water	Iron	13,800.000		9.31	50.0	ug/L
N1429-07	MW-22-R-S	Water	Manganese	1,910.000		0.85	10.0	ug/L
N1429-07	MW-22-R-S	Water	Sodium	153,000.000		167	1000	ug/L
Client ID : MW-22-R-S								
N1429-08	MW-22-R-S	Water	Iron	6,520.000		9.31	50.0	ug/L
N1429-08	MW-22-R-S	Water	Manganese	1,990.000		0.85	10.0	ug/L

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21S	SDG No.:	N1429
Lab Sample ID:	N1429-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	1490	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:07	SW6010
7439-96-5	Manganese	4300		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:07	SW6010
7440-23-5	Sodium	60300		1	167	1000	ug/L	02/11/22 16:25	02/11/22 20:07	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21S	SDG No.:	N1429
Lab Sample ID:	N1429-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	462	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:11	SW6010
7439-96-5	Manganese	4000		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:11	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21D	SDG No.:	N1429
Lab Sample ID:	N1429-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	23800	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:15	SW6010
7439-96-5	Manganese	32100	D	10	8.52	100	ug/L	02/11/22 16:25	02/14/22 15:38	SW6010
7440-23-5	Sodium	105000		1	167	1000	ug/L	02/11/22 16:25	02/11/22 20:15	SW6010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Cloudy	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-21D	SDG No.:	N1429
Lab Sample ID:	N1429-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	82.8	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:19	SW6010
7439-96-5	Manganese	10000		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:19	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25S	SDG No.:	N1429
Lab Sample ID:	N1429-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	273	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:23	SW6010
7439-96-5	Manganese	2630		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:23	SW6010
7440-23-5	Sodium	48200		1	167	1000	ug/L	02/11/22 16:25	02/11/22 20:23	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-25S	SDG No.:	N1429
Lab Sample ID:	N1429-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	20.3	JN	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:26	SW6010
7439-96-5	Manganese	2570		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:26	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-S	SDG No.:	N1429
Lab Sample ID:	N1429-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	13800	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:30	SW6010
7439-96-5	Manganese	1910		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:30	SW6010
7440-23-5	Sodium	153000		1	167	1000	ug/L	02/11/22 16:25	02/11/22 20:30	SW6010

Color Before:	Light brown	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Cloudy	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/07/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/07/22
Client Sample ID:	MW-22-R-S	SDG No.:	N1429
Lab Sample ID:	N1429-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	6520	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/11/22 20:42	SW6010
7439-96-5	Manganese	1990		1	0.85	10.0	ug/L	02/11/22 16:25	02/11/22 20:42	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	9820	10000	98	95 - 105	P	02/11/2022	13:45	LB118646
	Manganese	530	520	102	95 - 105	P	02/11/2022	13:45	LB118646
	Sodium	9690	10000	97	95 - 105	P	02/11/2022	13:45	LB118646

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	117	100	117	80 - 120	P	02/11/2022	13:59	LB118646
	Manganese	23.5	20.0	118	80 - 120	P	02/11/2022	13:59	LB118646
	Sodium	1810	2000	90	80 - 120	P	02/11/2022	13:59	LB118646

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4800	5000	96	90 - 110	P	02/11/2022	14:27	LB118646
	Manganese	2500	2500	100	90 - 110	P	02/11/2022	14:27	LB118646
	Sodium	26600	25000	107	90 - 110	P	02/11/2022	14:27	LB118646

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	120	100	120	80 - 120	P	02/11/2022	14:31	LB118646
	Manganese	23.1	20.0	116	80 - 120	P	02/11/2022	14:31	LB118646
	Sodium	1690	2000	84	80 - 120	P	02/11/2022	14:31	LB118646

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5040	5000	101	90 - 110	P	02/11/2022	15:46	LB118646
	Manganese	2540	2500	102	90 - 110	P	02/11/2022	15:46	LB118646
	Sodium	26400	25000	106	90 - 110	P	02/11/2022	15:46	LB118646
CCV03	Iron	4800	5000	96	90 - 110	P	02/11/2022	16:58	LB118646
	Manganese	2460	2500	98	90 - 110	P	02/11/2022	16:58	LB118646
	Sodium	25400	25000	101	90 - 110	P	02/11/2022	16:58	LB118646
CCV04	Iron	4750	5000	95	90 - 110	P	02/11/2022	18:13	LB118646
	Manganese	2460	2500	98	90 - 110	P	02/11/2022	18:13	LB118646
	Sodium	26700	25000	107	90 - 110	P	02/11/2022	18:13	LB118646
CCV05	Iron	4920	5000	98	90 - 110	P	02/11/2022	19:01	LB118646
	Manganese	2440	2500	97	90 - 110	P	02/11/2022	19:01	LB118646
	Sodium	26600	25000	106	90 - 110	P	02/11/2022	19:01	LB118646
CCV06	Iron	5020	5000	100	90 - 110	P	02/11/2022	19:47	LB118646
	Manganese	2540	2500	102	90 - 110	P	02/11/2022	19:47	LB118646
	Sodium	26600	25000	106	90 - 110	P	02/11/2022	19:47	LB118646
CCV07	Iron	4860	5000	97	90 - 110	P	02/11/2022	20:34	LB118646
	Manganese	2490	2500	100	90 - 110	P	02/11/2022	20:34	LB118646
	Sodium	25500	25000	102	90 - 110	P	02/11/2022	20:34	LB118646
CCV08	Iron	4950	5000	99	90 - 110	P	02/11/2022	21:22	LB118646
	Manganese	2480	2500	99	90 - 110	P	02/11/2022	21:22	LB118646
	Sodium	26000	25000	104	90 - 110	P	02/11/2022	21:22	LB118646
CCV09	Iron	4760	5000	95	90 - 110	P	02/11/2022	21:55	LB118646
	Manganese	2400	2500	96	90 - 110	P	02/11/2022	21:55	LB118646
	Sodium	24700	25000	99	90 - 110	P	02/11/2022	21:55	LB118646

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	9930	10000	99	90 - 110	P	02/14/2022	13:52	LB118670
	Manganese	533	520	102	90 - 110	P	02/14/2022	13:52	LB118670
	Sodium	9510	10000	95	90 - 110	P	02/14/2022	13:52	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	115	100	115	80 - 120	P	02/14/2022	13:57	LB118670
	Manganese	23.7	20.0	118	80 - 120	P	02/14/2022	13:57	LB118670
	Sodium	1920	2000	96	80 - 120	P	02/14/2022	13:57	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4760	5000	95	90 - 110	P	02/14/2022	14:16	LB118670
	Manganese	2500	2500	100	90 - 110	P	02/14/2022	14:16	LB118670
	Sodium	24300	25000	97	90 - 110	P	02/14/2022	14:16	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	111	100	111	80 - 120	P	02/14/2022	14:20	LB118670
	Manganese	24.1	20.0	120	80 - 120	P	02/14/2022	14:20	LB118670
	Sodium	1940	2000	97	80 - 120	P	02/14/2022	14:20	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	4870	5000	97	90 - 110	P	02/14/2022	15:30	LB118670
	Manganese	2540	2500	102	90 - 110	P	02/14/2022	15:30	LB118670
	Sodium	24500	25000	98	90 - 110	P	02/14/2022	15:30	LB118670
CCV03	Iron	4820	5000	96	90 - 110	P	02/14/2022	16:30	LB118670
	Manganese	2450	2500	98	90 - 110	P	02/14/2022	16:30	LB118670
	Sodium	24500	25000	98	90 - 110	P	02/14/2022	16:30	LB118670
CCV04	Iron	4770	5000	96	90 - 110	P	02/14/2022	17:17	LB118670
	Manganese	2460	2500	98	90 - 110	P	02/14/2022	17:17	LB118670
	Sodium	24200	25000	97	90 - 110	P	02/14/2022	17:17	LB118670
CCV05	Iron	4850	5000	97	90 - 110	P	02/14/2022	18:08	LB118670
	Manganese	2430	2500	97	90 - 110	P	02/14/2022	18:08	LB118670
	Sodium	23500	25000	94	90 - 110	P	02/14/2022	18:08	LB118670
CCV06	Iron	4660	5000	93	90 - 110	P	02/14/2022	18:55	LB118670
	Manganese	2400	2500	96	90 - 110	P	02/14/2022	18:55	LB118670
	Sodium	23300	25000	93	90 - 110	P	02/14/2022	18:55	LB118670
CCV07	Iron	4550	5000	91	90 - 110	P	02/14/2022	19:42	LB118670
	Manganese	2340	2500	94	90 - 110	P	02/14/2022	19:42	LB118670
	Sodium	23100	25000	93	90 - 110	P	02/14/2022	19:42	LB118670
CCV08	Iron	4610	5000	92	90 - 110	P	02/14/2022	20:30	LB118670
	Manganese	2380	2500	95	90 - 110	P	02/14/2022	20:30	LB118670
	Sodium	22700	25000	91	90 - 110	P	02/14/2022	20:30	LB118670
CCV09	Iron	4510	5000	90	90 - 110	P	02/14/2022	21:14	LB118670
	Manganese	2360	2500	94	90 - 110	P	02/14/2022	21:14	LB118670
	Sodium	21800	25000	87	90 - 110	P	02/14/2022	21:14	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10400	10000	104	95 - 105	P	02/16/2022	16:11	LB118707
	Manganese	544	520	105	95 - 105	P	02/16/2022	16:11	LB118707
	Sodium	9910	10000	99	95 - 105	P	02/16/2022	16:11	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	93.6	100	94	80 - 120	P	02/16/2022	16:19	LB118707
	Manganese	22.2	20.0	111	80 - 120	P	02/16/2022	16:19	LB118707
	Sodium	1990	2000	99	80 - 120	P	02/16/2022	16:19	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4850	5000	97	90 - 110	P	02/16/2022	16:47	LB118707
	Manganese	2460	2500	98	90 - 110	P	02/16/2022	16:47	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	16:47	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	82.1	100	82	80 - 120	P	02/16/2022	16:50	LB118707
	Manganese	22.1	20.0	110	80 - 120	P	02/16/2022	16:50	LB118707
	Sodium	1900	2000	95	80 - 120	P	02/16/2022	16:50	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5000	5000	100	90 - 110	P	02/16/2022	17:52	LB118707
	Manganese	2430	2500	97	90 - 110	P	02/16/2022	17:52	LB118707
	Sodium	24800	25000	99	90 - 110	P	02/16/2022	17:52	LB118707
CCV03	Iron	5260	5000	105	90 - 110	P	02/16/2022	18:46	LB118707
	Manganese	2590	2500	104	90 - 110	P	02/16/2022	18:46	LB118707
	Sodium	24500	25000	98	90 - 110	P	02/16/2022	18:46	LB118707
CCV04	Iron	5190	5000	104	90 - 110	P	02/16/2022	19:33	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	19:33	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	19:33	LB118707
CCV05	Iron	5100	5000	102	90 - 110	P	02/16/2022	20:19	LB118707
	Manganese	2470	2500	99	90 - 110	P	02/16/2022	20:19	LB118707
	Sodium	24400	25000	98	90 - 110	P	02/16/2022	20:19	LB118707
CCV06	Iron	5110	5000	102	90 - 110	P	02/16/2022	21:07	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	21:07	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	21:07	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10500	10000	105	90 - 110	P	02/18/2022	12:38	LB118744
	Manganese	547	520	105	90 - 110	P	02/18/2022	12:38	LB118744
	Sodium	9940	10000	99	90 - 110	P	02/18/2022	12:38	LB118744

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	109	100	109	80 - 120	P	02/18/2022	12:42	LB118744
	Manganese	23.4	20.0	117	80 - 120	P	02/18/2022	12:42	LB118744
	Sodium	1930	2000	96	80 - 120	P	02/18/2022	12:42	LB118744

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5330	5000	106	90 - 110	P	02/18/2022	13:06	LB118744
	Manganese	2550	2500	102	90 - 110	P	02/18/2022	13:06	LB118744
	Sodium	26300	25000	105	90 - 110	P	02/18/2022	13:06	LB118744

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	112	100	112	80 - 120	P	02/18/2022	13:10	LB118744
	Manganese	22.3	20.0	111	80 - 120	P	02/18/2022	13:10	LB118744
	Sodium	1800	2000	90	80 - 120	P	02/18/2022	13:10	LB118744

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5110	5000	102	90 - 110	P	02/18/2022	14:16	LB118744
	Manganese	2550	2500	102	90 - 110	P	02/18/2022	14:16	LB118744
	Sodium	25700	25000	103	90 - 110	P	02/18/2022	14:16	LB118744
CCV03	Iron	4890	5000	98	90 - 110	P	02/18/2022	15:31	LB118744
	Manganese	2520	2500	101	90 - 110	P	02/18/2022	15:31	LB118744
	Sodium	23600	25000	95	90 - 110	P	02/18/2022	15:31	LB118744
CCV04	Iron	4880	5000	98	90 - 110	P	02/18/2022	16:38	LB118744
	Manganese	2520	2500	101	90 - 110	P	02/18/2022	16:38	LB118744
	Sodium	23900	25000	96	90 - 110	P	02/18/2022	16:38	LB118744
CCV05	Iron	4740	5000	95	90 - 110	P	02/18/2022	18:32	LB118744
	Manganese	2450	2500	98	90 - 110	P	02/18/2022	18:32	LB118744
	Sodium	25300	25000	101	90 - 110	P	02/18/2022	18:32	LB118744
CCV06	Iron	4790	5000	96	90 - 110	P	02/18/2022	19:18	LB118744
	Manganese	2490	2500	100	90 - 110	P	02/18/2022	19:18	LB118744
	Sodium	24600	25000	99	90 - 110	P	02/18/2022	19:18	LB118744

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	122	100	122	40 - 160	P	02/11/2022	14:07	LB118646
	Manganese	23.8	20.0	119	40 - 160	P	02/11/2022	14:07	LB118646
	Sodium	1780	2000	89	40 - 160	P	02/11/2022	14:07	LB118646
CRI01	Iron	121	100	121	40 - 160	P	02/14/2022	14:05	LB118670
	Manganese	23.2	20.0	116	40 - 160	P	02/14/2022	14:05	LB118670
	Sodium	1960	2000	98	40 - 160	P	02/14/2022	14:05	LB118670
CRI01	Iron	90.7	100	91	40 - 160	P	02/16/2022	16:27	LB118707
	Manganese	22.0	20.0	110	40 - 160	P	02/16/2022	16:27	LB118707
	Sodium	1930	2000	96	40 - 160	P	02/16/2022	16:27	LB118707
CRI01	Iron	104	100	104	40 - 160	P	02/18/2022	12:50	LB118744
	Manganese	23.0	20.0	115	40 - 160	P	02/18/2022	12:50	LB118744
	Sodium	1870	2000	93	40 - 160	P	02/18/2022	12:50	LB118744

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/11/2022	14:03	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	14:03	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	14:03	LB118646

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/11/2022	14:35	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	14:35	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	14:35	LB118646
CCB02	Iron	100	+/-100	U	100	P	02/11/2022	15:50	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	15:50	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	15:50	LB118646
CCB03	Iron	21.9	+/-100	J	100	P	02/11/2022	17:03	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	17:03	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	17:03	LB118646
CCB04	Iron	100	+/-100	U	100	P	02/11/2022	18:17	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	18:17	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	18:17	LB118646
CCB05	Iron	100	+/-100	U	100	P	02/11/2022	19:05	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	19:05	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	19:05	LB118646
CCB06	Iron	100	+/-100	U	100	P	02/11/2022	19:51	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	19:51	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	19:51	LB118646
CCB07	Iron	100	+/-100	U	100	P	02/11/2022	20:38	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	20:38	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	20:38	LB118646
CCB08	Iron	100	+/-100	U	100	P	02/11/2022	21:26	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	21:26	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	21:26	LB118646
CCB09	Iron	100	+/-100	U	100	P	02/11/2022	21:58	LB118646
	Manganese	20.0	+/-20.0	U	20.0	P	02/11/2022	21:58	LB118646
	Sodium	2000	+/-2000	U	2000	P	02/11/2022	21:58	LB118646

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/14/2022	14:01	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	14:01	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	14:01	LB118670

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/14/2022	14:24	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	14:24	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	14:24	LB118670
CCB02	Iron	100	+/-100	U	100	P	02/14/2022	15:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	15:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	15:34	LB118670
CCB03	Iron	100	+/-100	U	100	P	02/14/2022	16:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	16:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	16:34	LB118670
CCB04	Iron	100	+/-100	U	100	P	02/14/2022	17:26	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	17:26	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	17:26	LB118670
CCB05	Iron	100	+/-100	U	100	P	02/14/2022	18:12	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	18:12	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	18:12	LB118670
CCB06	Iron	100	+/-100	U	100	P	02/14/2022	18:58	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	18:58	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	18:58	LB118670
CCB07	Iron	100	+/-100	U	100	P	02/14/2022	19:46	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	19:46	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	19:46	LB118670
CCB08	Iron	100	+/-100	U	100	P	02/14/2022	20:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	20:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	20:34	LB118670
CCB09	Iron	100	+/-100	U	100	P	02/14/2022	21:18	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	21:18	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	21:18	LB118670

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/16/2022	16:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:23	LB118707

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/16/2022	16:54	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:54	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:54	LB118707
CCB02	Iron	100	+/-100	U	100	P	02/16/2022	17:55	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	17:55	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	17:55	LB118707
CCB03	Iron	100	+/-100	U	100	P	02/16/2022	18:50	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	18:50	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	18:50	LB118707
CCB04	Iron	100	+/-100	U	100	P	02/16/2022	19:36	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	19:36	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	19:36	LB118707
CCB05	Iron	100	+/-100	U	100	P	02/16/2022	20:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	20:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	20:23	LB118707
CCB06	Iron	100	+/-100	U	100	P	02/16/2022	21:11	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	21:11	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	21:11	LB118707

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/18/2022	12:46	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	12:46	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	12:46	LB118744

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/18/2022	13:14	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	13:14	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	13:14	LB118744
CCB02	Iron	100	+/-100	U	100	P	02/18/2022	14:20	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	14:20	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	14:20	LB118744
CCB03	Iron	100	+/-100	U	100	P	02/18/2022	15:35	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	15:35	LB118744
	Sodium	560	+/-2000	J	2000	P	02/18/2022	15:35	LB118744
CCB04	Iron	100	+/-100	U	100	P	02/18/2022	16:41	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	16:41	LB118744
	Sodium	1420	+/-2000	J	2000	P	02/18/2022	16:41	LB118744
CCB05	Iron	100	+/-100	U	100	P	02/18/2022	18:35	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	18:35	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	18:35	LB118744
CCB06	Iron	100	+/-100	U	100	P	02/18/2022	19:21	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	19:21	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	19:21	LB118744

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Metals
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PREPARATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB142572BL		**WATER**		**Batch Number:**	**PB142572**		**Prep Date:**	**02/11/2022**	
	Iron	50.0	<50.0	U	50.0	P	02/16/2022	17:48	LB118707
	Manganese	10.0	<10.0	U	10.0	P	02/16/2022	17:48	LB118707
	Sodium	1000	<1000	U	1000	P	02/16/2022	17:48	LB118707

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	96900	100000	97	85000	120000	02/11/2022	14:11	LB118646
	Manganese	10.4	7.0	149	-13	27	02/11/2022	14:11	LB118646
	Sodium	-420			0	0	02/11/2022	14:11	LB118646
ICSAB01	Iron	93600	99000	94	84000	110000	02/11/2022	14:15	LB118646
	Manganese	493	510	97	430	590	02/11/2022	14:15	LB118646
	Sodium	-448			0	0	02/11/2022	14:15	LB118646
ICSA01	Iron	97000	100000	97	85000	120000	02/14/2022	14:09	LB118670
	Manganese	11.0	7.0	157	-13	27	02/14/2022	14:09	LB118670
	Sodium	-110			0	0	02/14/2022	14:09	LB118670
ICSAB01	Iron	94600	99000	96	84000	110000	02/14/2022	14:13	LB118670
	Manganese	496	510	97	430	590	02/14/2022	14:13	LB118670
	Sodium	-120			0	0	02/14/2022	14:13	LB118670
ICSA01	Iron	95400	100000	95	85000	120000	02/16/2022	16:31	LB118707
	Manganese	14.0	7.0	200	-13	27	02/16/2022	16:31	LB118707
	Sodium	-105			0	0	02/16/2022	16:31	LB118707
ICSAB01	Iron	89900	99000	91	84000	110000	02/16/2022	16:35	LB118707
	Manganese	519	510	102	430	590	02/16/2022	16:35	LB118707
	Sodium	-142			0	0	02/16/2022	16:35	LB118707
ICSA01	Iron	97200	100000	97	85000	120000	02/18/2022	12:58	LB118744
	Manganese	10.4	7.0	148	-13	27	02/18/2022	12:58	LB118744
	Sodium	-191			0	0	02/18/2022	12:58	LB118744
ICSAB01	Iron	97900	99000	99	84000	110000	02/18/2022	13:02	LB118744
	Manganese	492	510	96	430	590	02/18/2022	13:02	LB118744
	Sodium	-222			0	0	02/18/2022	13:02	LB118744

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1429

contract: ENVI27 **lab code:** CHEM **case no.:** N1429 **sas no.:** N1429

matrix: Water **sample id:** N1477-08 **client id:** 20220072-104-21-SITE-WATERMS

Percent Solids for Sample: NA **Spiked ID:** N1477-08MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2650		688		1500	131	N	P
Manganese	ug/L	75 - 125	110		10.7		100	99		P
Sodium	ug/L	75 - 125	5760000	D	7150000	D	1500	-92889		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1429

contract: ENVI27 **lab code:** CHEM **case no.:** N1429 **sas no.:** N1429

matrix: Water **sample id:** N1477-08 **client id:** 20220072-104-21-SITE-WATERMSD

Percent Solids for Sample: NA **Spiked ID:** N1477-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2480		688		1500	119		P
Manganese	ug/L	75 - 125	99.6		10.7		100	89		P
Sodium	ug/L	75 - 125	6220000	D	7150000	D	1500	-62525		P

CHEMTECH

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Matrix: Water **Level:** LOW **Client ID:** 20220072-104-21-SITE-WATERA

Sample ID: N1477-08 **Spiked ID:** N1477-08A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2450		688		1500	118		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Matrix: Water **Sample ID:** N1477-08 **Client ID:** 20220072-104-21-SITE-WATERDUP

Percent Solids for Sample: NA **Duplicate ID** N1477-08DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	688		694		1		P
Manganese	ug/L	20	10.7		11.3		5		P
Sodium	ug/L	20	7150000	D	6880000	D	4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Matrix: Water **Sample ID:** N1477-08MS **Client ID:** 20220072-104-21-SITE-WATERMSD

Percent Solids for Sample: NA **Duplicate ID** N1477-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	2650		2480		7		P
Manganese	ug/L	20	110		99.6		10		P
Sodium	ug/L	20	5760000	D	6220000	D	8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB142572BS							
Iron	ug/L	1500	1430		95	80 - 120	P
Manganese	ug/L	100	101		101	80 - 120	P
Sodium	ug/L	1500	1390		93	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

20220072-104-21-SITE-WATERL

Lab Name: Chemtech Consulting Group **Contract:** ENVI27

Lab Code: CHEM **Lb No.:** lb118744 **Lab Sample ID :** N1477-08L **SDG No.:** N1429

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	688		593		14		P
Manganese	10.7		11.0	J	3		P
Sodium	7150000	D	7010000	D	2		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0021660
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0009350	0.0000000	0.0000000	-0.0037480
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0016160	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1429 **SAS No.:** N1429

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0016400
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1429

Contract: ENVI27 **Lab Code:** CHEM **Method:**

Case No.: N1429 **SAS No.:** N1429

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB142572**						
N1429-01	MW-21S	SAM	WATER	02/11/2022	50.0	25.0	
N1429-02	MW-21S	SAM	WATER	02/11/2022	50.0	25.0	
N1429-03	MW-21D	SAM	WATER	02/11/2022	50.0	25.0	
N1429-04	MW-21D	SAM	WATER	02/11/2022	50.0	25.0	
N1429-05	MW-25S	SAM	WATER	02/11/2022	50.0	25.0	
N1429-06	MW-25S	SAM	WATER	02/11/2022	50.0	25.0	
N1429-07	MW-22-R-S	SAM	WATER	02/11/2022	50.0	25.0	
N1429-08	MW-22-R-S	SAM	WATER	02/11/2022	50.0	25.0	
N1477-08DUP	20220072-104-21-SITE-WATERDUP	DUP	WATER	02/11/2022	50.0	25.0	
N1477-08MS	20220072-104-21-SITE-WATERMS	MS	WATER	02/11/2022	50.0	25.0	
N1477-08MSD	20220072-104-21-SITE-WATERMSD	MSD	WATER	02/11/2022	50.0	25.0	
PB142572BL	PB142572BL	MB	WATER	02/11/2022	50.0	25.0	
PB142572BS	PB142572BS	LCS	WATER	02/11/2022	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1429 **Sas no.:** N1429 **Sdg no.:** N1429

Instrument id number: **Method:** **Run number:** LB118646

Start date: 02/11/2022 **End date:** 02/11/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1314	Fe,Mn,Na
S1	S1	1	1318	Fe,Mn,Na
S2	S2	1	1322	Fe,Mn,Na
S3	S3	1	1326	Fe,Mn,Na
S4	S4	1	1330	Fe,Mn,Na
S5	S5	1	1334	Fe,Mn,Na
ICV01	ICV01	1	1345	Fe,Mn,Na
LLICV01	LLICV01	1	1359	Fe,Mn,Na
ICB01	ICB01	1	1403	Fe,Mn,Na
CRI01	CRI01	1	1407	Fe,Mn,Na
ICSA01	ICSA01	1	1411	Fe,Mn,Na
ICSAB01	ICSAB01	1	1415	Fe,Mn,Na
ICSA	ICSA	20	1419	Fe,Mn,Na
ICSAB	ICSAB	20	1423	Fe,Mn,Na
CCV01	CCV01	1	1427	Fe,Mn,Na
LLCCV01	LLCCV01	1	1431	Fe,Mn,Na
CCB01	CCB01	1	1435	Fe,Mn,Na
CCV02	CCV02	1	1546	Fe,Mn,Na
CCB02	CCB02	1	1550	Fe,Mn,Na
CCV03	CCV03	1	1658	Fe,Mn,Na
CCB03	CCB03	1	1703	Fe,Mn,Na
CCV04	CCV04	1	1813	Fe,Mn,Na
CCB04	CCB04	1	1817	Fe,Mn,Na
CCV05	CCV05	1	1901	Fe,Mn,Na
CCB05	CCB05	1	1905	Fe,Mn,Na
CCV06	CCV06	1	1947	Fe,Mn,Na
CCB06	CCB06	1	1951	Fe,Mn,Na
N1429-01	MW-21S	1	2007	Fe,Mn,Na
N1429-02	MW-21S	1	2011	Fe,Mn
N1429-03	MW-21D	1	2015	Fe,Na
N1429-04	MW-21D	1	2019	Fe,Mn
N1429-05	MW-25S	1	2023	Fe,Mn,Na
N1429-06	MW-25S	1	2026	Fe,Mn
N1429-07	MW-22-R-S	1	2030	Fe,Mn,Na
CCV07	CCV07	1	2034	Fe,Mn,Na
CCB07	CCB07	1	2038	Fe,Mn,Na
N1429-08	MW-22-R-S	1	2042	Fe,Mn
CCV08	CCV08	1	2122	Fe,Mn,Na
CCB08	CCB08	1	2126	Fe,Mn,Na
CCV09	CCV09	1	2155	Fe,Mn,Na
CCB09	CCB09	1	2158	Fe,Mn,Na

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1429 **Sas no.:** N1429 **Sdg no.:** N1429

Instrument id number: **Method:** **Run number:** LB118670

Start date: 02/14/2022 **End date:** 02/14/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1328	Fe,Mn,Na
S1	S1	1	1332	Fe,Mn,Na
S2	S2	1	1336	Fe,Mn,Na
S3	S3	1	1340	Fe,Mn,Na
S4	S4	1	1344	Fe,Mn,Na
S5	S5	1	1348	Fe,Mn,Na
ICV01	ICV01	1	1352	Fe,Mn,Na
LLICV01	LLICV01	1	1357	Fe,Mn,Na
ICB01	ICB01	1	1401	Fe,Mn,Na
CRI01	CRI01	1	1405	Fe,Mn,Na
ICSA01	ICSA01	1	1409	Fe,Mn,Na
ICSAB01	ICSAB01	1	1413	Fe,Mn,Na
CCV01	CCV01	1	1416	Fe,Mn,Na
LLCCV01	LLCCV01	1	1420	Fe,Mn,Na
CCB01	CCB01	1	1424	Fe,Mn,Na
CCV02	CCV02	1	1530	Fe,Mn,Na
CCB02	CCB02	1	1534	Fe,Mn,Na
N1429-03	MW-21D	10	1538	Mn
CCV03	CCV03	1	1630	Fe,Mn,Na
CCB03	CCB03	1	1634	Fe,Mn,Na
CCV04	CCV04	1	1717	Fe,Mn,Na
CCB04	CCB04	1	1726	Fe,Mn,Na
CCV05	CCV05	1	1808	Fe,Mn,Na
CCB05	CCB05	1	1812	Fe,Mn,Na
CCV06	CCV06	1	1855	Fe,Mn,Na
CCB06	CCB06	1	1858	Fe,Mn,Na
CCV07	CCV07	1	1942	Fe,Mn,Na
CCB07	CCB07	1	1946	Fe,Mn,Na
CCV08	CCV08	1	2030	Fe,Mn,Na
CCB08	CCB08	1	2034	Fe,Mn,Na
CCV09	CCV09	1	2114	Fe,Mn,Na
CCB09	CCB09	1	2118	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1429 **Sas no.:** N1429 **Sdg no.:** N1429

Instrument id number: **Method:** **Run number:** LB118707

Start date: 02/16/2022 **End date:** 02/16/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1548	Fe,Mn,Na
S1	S1	1	1552	Fe,Mn,Na
S2	S2	1	1556	Fe,Mn,Na
S3	S3	1	1600	Fe,Mn,Na
S4	S4	1	1604	Fe,Mn,Na
S5	S5	1	1607	Fe,Mn,Na
ICV01	ICV01	1	1611	Fe,Mn,Na
LLICV01	LLICV01	1	1619	Fe,Mn,Na
ICB01	ICB01	1	1623	Fe,Mn,Na
CRI01	CRI01	1	1627	Fe,Mn,Na
ICSA01	ICSA01	1	1631	Fe,Mn,Na
ICSAB01	ICSAB01	1	1635	Fe,Mn,Na
ICSA	ICSA	20	1639	Fe,Mn,Na
ICSAB	ICSAB	20	1643	Fe,Mn,Na
CCV01	CCV01	1	1647	Fe,Mn,Na
LLCCV01	LLCCV01	1	1650	Fe,Mn,Na
CCB01	CCB01	1	1654	Fe,Mn,Na
PB142572BS	PB142572BS	1	1726	Fe,Mn,Na
PB142572BL	PB142572BL	1	1748	Fe,Mn,Na
CCV02	CCV02	1	1752	Fe,Mn,Na
CCB02	CCB02	1	1755	Fe,Mn,Na
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1936	Fe,Mn,Na
CCV05	CCV05	1	2019	Fe,Mn,Na
CCB05	CCB05	1	2023	Fe,Mn,Na
CCV06	CCV06	1	2107	Fe,Mn,Na
CCB06	CCB06	1	2111	Fe,Mn,Na

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1429 **Sas no.:** N1429 **Sdg no.:** N1429

Instrument id number: **Method:** **Run number:** LB118744

Start date: 02/18/2022 **End date:** 02/18/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	Fe,Mn,Na
S1	S1	1	1218	Fe,Mn,Na
S2	S2	1	1222	Fe,Mn,Na
S3	S3	1	1226	Fe,Mn,Na
S4	S4	1	1230	Fe,Mn,Na
S5	S5	1	1234	Fe,Mn,Na
ICV01	ICV01	1	1238	Fe,Mn,Na
LLICV01	LLICV01	1	1242	Fe,Mn,Na
ICB01	ICB01	1	1246	Fe,Mn,Na
CRI01	CRI01	1	1250	Fe,Mn,Na
ICSA01	ICSA01	1	1258	Fe,Mn,Na
ICSAB01	ICSAB01	1	1302	Fe,Mn,Na
CCV01	CCV01	1	1306	Fe,Mn,Na
LLCCV01	LLCCV01	1	1310	Fe,Mn,Na
CCB01	CCB01	1	1314	Fe,Mn,Na
CCV02	CCV02	1	1416	Fe,Mn,Na
CCB02	CCB02	1	1420	Fe,Mn,Na
N1477-08DUP	20220072-104-21-SITE-WATER	1	1445	Fe,Mn
N1477-08L	20220072-104-21-SITE-WATER	5	1450	Fe,Mn
N1477-08DUP	20220072-104-21-SITE-WATER	10	1459	Na
N1477-08L	20220072-104-21-SITE-WATER	50	1503	Na
CCV03	CCV03	1	1531	Fe,Mn,Na
CCB03	CCB03	1	1535	Fe,Mn,Na
N1477-08MS	20220072-104-21-SITE-WATER	1	1539	Fe,Mn
N1477-08MSD	20220072-104-21-SITE-WATER	1	1545	Fe,Mn
N1477-08A	20220072-104-21-SITE-WATER	1	1549	Fe
N1477-08MS	20220072-104-21-SITE-WATER	10	1558	Na
N1477-08MSD	20220072-104-21-SITE-WATER	10	1602	Na
CCV04	CCV04	1	1638	Fe,Mn,Na
CCB04	CCB04	1	1641	Fe,Mn,Na
CCV05	CCV05	1	1832	Fe,Mn,Na
CCB05	CCB05	1	1835	Fe,Mn,Na
CCV06	CCV06	1	1918	Fe,Mn,Na
CCB06	CCB06	1	1921	Fe,Mn,Na

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: 21429-21430
COC Number: 2025782

CLIENT INFORMATION
Report to be sent to:
COMPANY: ENVIROTAC LTD.
ADDRESS: 5 Old Dock Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Rose
PHONE: (631) 924-3601 FAX:

PROJECT INFORMATION
PROJECT NAME: NYSDEC: Crown Oil Kmart
PROJECT #: LOCATION: Glenlove
PROJECT MANAGER: Mike Rose
E-MAIL: MikeR@Envirotac.com
PHONE: FAX:

BILLING INFORMATION
BILL TO: ENVIROTAC LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT _____
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ US EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other _____

ANALYSIS
1 VOC 5w-8260
2 METALS 6010
3 TOTAL Na
4 Dissolved
5 TCLP w/ 6010
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW# 21S	GW		X	2/7/22	9:30	7	2	2	/	/	/	3				
2.	MW# 21D	GW		X	2/7/22	10:45	7	2	2	/	/	/	3				
3.	MW# 25S	GW		X	2/7/22	11:30	6	2	2	/	/	/	2				
4.	MW# 22R/S	GW		X	2/7/22	13:06	6	2	2				2				
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1.	2/7/22	1.	1535 2-7-22
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	2-7-22 1714	3. SB	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.8
Comments: TO Be lab Filtered
Vials In CSM Frig @ 1717

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Monday, March 14, 2022 9:46 AM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat'
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.
Attachments: template01_sm_fb_transparent_de75ee56-3edb-425c-9bf8-c5915b5f3aee1111111.png; template01 _sm_linkedin_transparent_f8a963bb-7390-4940-9516-8d79f706c1f11111111.png; emaillogo_2b71093e-2153-4477-9927-29ea5e0e9a92.png

Understood.

From: Samantha Beazley <Samantha@chemtech.net>
Sent: Thursday, March 10, 2022 1:02 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Good afternoon,

Going through this list of requests please confirm the below from our QC department in order for the lab to report the VOC analytes listed.

N1429, N1438 : Blank Spike Recovery 130% for Acetone is outside the QC limit 60-125%. All other associated QCs are within the Limits.

N1541 VOC : Blank Spike Duplicate Recovery 139% for Bromomethane is outside the QC limit 55-134%. Also associated CCV of sample N1541-05DL dilution has Acetone %D (25.7%) is outside the QC limit (20%). All other associated QCs are within the Limits.

Respectfully,

Samantha Beazley
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3148
samantha@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your Feedback

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Wednesday, March 9, 2022 3:53 PM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: FW: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Sam –

Please review the email below received by the Crown Dykman engineer regarding analytical inconsistences. I'm hoping these can be addressed ASAP.

Michael Rose, PE

Senior Engineer

EnviroTrac Ltd.
phone: 631.924.3001 | mobile: 631.433.8883 | email: miker@envirotrac.com
5 Old Dock Road Yaphank, NY 11980 | https://envirotrac.com

From: Farris, Kathryn <Kathryn.Farris@arcadis.com>
Sent: Wednesday, March 09, 2022 1:58 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: Minehardt, Todd A. <Todd.Minehardt@arcadis.com>; Hiss, David <David.Hiss@arcadis.com>
Subject: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Mike,

As per call – Please see below for the inconsistencies with the lab data:

- MW-10D-20220209 (Lab ID - N1467-13) should be MW-1DD-20220209
  - Double check lab IDs I think MW-04R or MW-05R may not have been appropriately labeled as well.
  - PFAS reports would also need to be reissued with correct names.
- Groundwater VOC analyte list is incomplete – it appears that lab analyzed for the effluent list, and compared values to wastewater limits.
  - I have included what VOCs we have previously reported at the bottom of this email.
- 2 of 4 PFAS reports do not include a full list of PFAS compounds (we had specified they include the 21 PFAS list from DEC Sampling from 2019 document 1*,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs*
  - Data packages that include MW-01, 015, 01DD, 05R, 07S, 07D, 08, 23d, 23s, 30d and 30s are incomplete.
- 6/11 submitted reports do not include NYSDEC EquIS packages – 01 45 29.13-3 specifies the requirements for EDDs.

Order_ID	Status	No. of Samples	Received On	Collected On	NYSDEC EDDs
N1429	Completed	8	2/7/2022	2/7/2022	N
N1430	Completed	4	2/7/2022	2/7/2022	Y
N1438	Completed	4	2/8/2022	2/8/2022	N
N1439	Completed	2	2/8/2022	2/8/2022	Y
N1467	Completed	8	2/8/2022	2/8/2022	N
N1468	Completed	4	2/8/2022	2/8/2022	Y
N1468	Completed	4	2/9/2022	2/9/2022	N
N1497	Completed	11	2/10/2022	2/10/2022	N
N1498	Completed	3	2/10/2022	2/10/2022	N

N1541	Completed	6	2/14/2022	2/14/2022	Y
N1542	Completed	3	2/14/2022	2/14/2022	Y

This is what I found while looking through the Groundwater Sampling results. It is not an exhaustive list of edits.

Thanks,
Kathryn

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-Pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane

Dichlorodifluoromethane
Ethyl Benzene
Isopropylbenzene
Methyl Acetate
Methyl tert-butyl Ether
Methylcyclohexane
Methylene Chloride
Styrene
Tert-Butyl Methyl Ether
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylene (Total)
Total TICs

Kathryn Farris (she/her)
Project Environmental Specialist
Arcadis New York Inc.
855 Route 146 Suite 210 | Clifton Park, NY | 12065 | USA
T +1 518 250 7389
M +1 610 739 7860
www.arcadis.com



Be green, leave it on the screen.

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : N1429 ENVI27
Client Name : Envirotrac Environmental S
Client Contact : Mike Rose
Invoice Name : Envirotrac Environmental S
Invoice Contact : Mike Rose

Order Date : 2/7/2022 2:05:00 PM
Project Name : NYSDEC Crown Dykman -
Receive DateTime : 2/7/2022 5:14:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
N1429-01	MW-21S	Water	02/07/2022	09:39					
					VOCMS Group1		8260-Low		5 Bus. Days
N1429-03	MW-21D	Water	02/07/2022	10:45					
					VOCMS Group1		8260-Low		5 Bus. Days
N1429-05	MW-25S	Water	02/07/2022	11:50					
					VOCMS Group1		8260-Low		5 Bus. Days
N1429-07	MW-22-R-S	Water	02/07/2022	13:06					
					VOCMS Group1		8260-Low		5 Bus. Days

Relinguished By :
Date / Time : 2/8/22 1000

Received By :
Date / Time : 02/18/22 1000

Storage Area : VOA Refridgerator Room

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB DATA

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1430

ATTENTION : Mike Rose

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8. QC Sample Results 16

9. QC Association Summary 19

10. Lab Chronicle 20

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12. Method Summary 22

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : N1430

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1430-01	MW-21S
N1430-02	MW-21D
N1430-03	MW-25S
N1430-04	MW-22-R-S

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

Date: 2/23/2022

By Nimisha Pandya QA/QC Supervisor at 2:53 pm, Feb 23, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-72246-1
Client Project/Site: N1430

For:
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

Attn: Ms. Samantha Beazley

Elizabeth M. Zanar

Authorized for release by:
2/22/2022 12:37:30 PM

Elizabeth Zanar, Project Manager
(717)556-7290
Elizabeth.Zanar@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

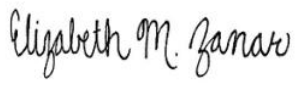
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



Elizabeth Zanar
Project Manager
2/22/2022 12:37:30 PM

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Job ID: 410-72246-1
Project/Site: N1430

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Job ID: 410-72246-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-72246-1

Receipt
The samples were received on 2/9/2022 11:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

PFAS
Method PFC_IDA: Reporting limits were raised for the following samples: MW-21D (410-72246-2) and MW-22-R-S (410-72246-4) due to interference from the sample matrix.

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

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-21S — Lab Sample ID: 410-72246-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	58		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	45		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	130		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	13		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	4.7		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	26		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	19		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	160		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	0.76	J	2.7	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	2.2		1.8	0.55	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	3.8		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	0.49	J	1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	24		4.6	1.8	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroundecanoic acid	0.73	J	1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorododecanoic acid	1.3	J	1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	41		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-21D — Lab Sample ID: 410-72246-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	22	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	16	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	58	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	6.0	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	9.2	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	8.5	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	85	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	17	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-25S — Lab Sample ID: 410-72246-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	19		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	17		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	55		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	3.4		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	1.0	J	1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	14		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	10		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	55		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	0.99	J	1.8	0.55	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	1.5	J	1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	14		4.6	1.8	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	15		1.8	0.46	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-22-R-S — Lab Sample ID: 410-72246-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	15	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	11	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	41	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	7.7	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-22-R-S (Continued)

Lab Sample ID: 410-72246-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid	7.2	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	97	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	5.4	J cn	30	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	8.8	J cn	20	6.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	8.3	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-21S

Lab Sample ID: 410-72246-1

Date Collected: 02/07/22 09:39
Matrix: Water
Date Received: 02/09/22 11:38

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	58		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluoroheptanoic acid	45		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorooctanoic acid	130		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorononanoic acid	13		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorodecanoic acid	4.7		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorotridecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorotetradecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorobutanesulfonic acid	26		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorohexanesulfonic acid	19		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorooctanesulfonic acid	160		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
NEtFOSAA	0.76	J	2.7	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
NMeFOSAA	2.2		1.8	0.55	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluoroheptanesulfonic acid	3.8		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorodecanesulfonic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorooctanesulfonamide	0.49	J	1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorobutanoic acid	24		4.6	1.8	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluoroundecanoic acid	0.73	J	1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluorododecanoic acid	1.3	J	1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1
6:2 Fluorotelomer sulfonic acid	ND		4.6	1.8	ng/L		02/19/22 12:48	02/21/22 22:57	1
8:2 Fluorotelomer sulfonic acid	ND		2.7	0.91	ng/L		02/19/22 12:48	02/21/22 22:57	1
Perfluoropentanoic acid	41		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 22:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*104*		*33 - 200*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
M2-6:2 FTS	*147*		*17 - 200*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C5 PFHxA	*90*		*24 - 179*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C4 PFHpA	*95*		*31 - 182*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C8 PFOA	*95*		*48 - 162*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C9 PFNA	*105*		*51 - 167*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C6 PFDA	*81*		*49 - 163*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C7 PFUnA	*70*		*34 - 174*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C2-PFDoDA	*57*		*17 - 176*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C2 PFTeDA	*52*		*10 - 179*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C3 PFBS	*152*		*16 - 200*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C3 PFHxS	*103*		*28 - 188*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C8 PFOS	*95*		*51 - 159*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
d3-NMeFOSAA	*53*		*31 - 174*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
d5-NEtFOSAA	*59*		*29 - 195*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C8 FOSA	*68*		*10 - 168*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C4 PFBA	*104*		*42 - 165*	*02/19/22 12:48*	*02/21/22 22:57*	*1*
13C5 PFPeA	*130*		*38 - 187*	*02/19/22 12:48*	*02/21/22 22:57*	*1*

Client Sample ID: MW-21D

Lab Sample ID: 410-72246-2

Date Collected: 02/07/22 10:45
Matrix: Water
Date Received: 02/09/22 11:38

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	22	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluoroheptanoic acid	16	J cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorooctanoic acid	58	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1

Client Sample ID: MW-21D
Date Collected: 02/07/22 10:45
Date Received: 02/09/22 11:38

Lab Sample ID: 410-72246-2
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	**6.0**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorodecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorotridecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorotetradecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorobutanesulfonic acid	**9.2**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorohexanesulfonic acid	**8.5**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorooctanesulfonic acid	**85**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
NEtFOSAA	ND	cn	30	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
NMeFOSAA	ND	cn	20	6.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluoroheptanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorodecanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorooctanesulfonamide	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorobutanoic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluoroundecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluorododecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1
6:2 Fluorotelomer sulfonic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:08	1
8:2 Fluorotelomer sulfonic acid	ND	cn	30	10	ng/L		02/19/22 12:48	02/21/22 23:08	1
Perfluoropentanoic acid	**17**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*121*	*cn*	*33 - 200*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
M2-6:2 FTS	*143*	*cn*	*17 - 200*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C5 PFHxA	*105*	*cn*	*24 - 179*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C4 PFHpA	*106*	*cn*	*31 - 182*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C8 PFOA	*107*	*cn*	*48 - 162*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C9 PFNA	*114*	*cn*	*51 - 167*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C6 PFDA	*108*	*cn*	*49 - 163*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C7 PFUnA	*107*	*cn*	*34 - 174*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C2-PFDoDA	*106*	*cn*	*17 - 176*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C2 PFTeDA	*91*	*cn*	*10 - 179*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C3 PFBS	*123*	*cn*	*16 - 200*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C3 PFHxS	*110*	*cn*	*28 - 188*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C8 PFOS	*112*	*cn*	*51 - 159*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
d3-NMeFOSAA	*100*	*cn*	*31 - 174*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
d5-NEtFOSAA	*108*	*cn*	*29 - 195*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C8 FOSA	*114*	*cn*	*10 - 168*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C4 PFBA	*108*	*cn*	*42 - 165*	*02/19/22 12:48*	*02/21/22 23:08*	*1*
13C5 PFPeA	*116*	*cn*	*38 - 187*	*02/19/22 12:48*	*02/21/22 23:08*	*1*

Client Sample ID: MW-25S
Date Collected: 02/07/22 11:50
Date Received: 02/09/22 11:38

Lab Sample ID: 410-72246-3
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**19**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluoroheptanoic acid	**17**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorooctanoic acid	**55**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorononanoic acid	**3.4**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorodecanoic acid	**1.0**	**J**	1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorotridecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-25S

Lab Sample ID: 410-72246-3

Date Collected: 02/07/22 11:50

Matrix: Water

Date Received: 02/09/22 11:38

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorobutanesulfonic acid	**14**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorohexanesulfonic acid	**10**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorooctanesulfonic acid	**55**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
NEtFOSAA	ND		2.7	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
NMeFOSAA	**0.99**	**J**	1.8	0.55	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluoroheptanesulfonic acid	**1.5**	**J**	1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorodecanesulfonic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorooctanesulfonamide	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorobutanoic acid	**14**		4.6	1.8	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluoroundecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluorododecanoic acid	ND		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1
6:2 Fluorotelomer sulfonic acid	ND		4.6	1.8	ng/L		02/19/22 12:48	02/21/22 23:19	1
8:2 Fluorotelomer sulfonic acid	ND		2.7	0.91	ng/L		02/19/22 12:48	02/21/22 23:19	1
Perfluoropentanoic acid	**15**		1.8	0.46	ng/L		02/19/22 12:48	02/21/22 23:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*110*		*33 - 200*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
M2-6:2 FTS	*148*		*17 - 200*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C5 PFHxA	*92*		*24 - 179*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C4 PFHpA	*98*		*31 - 182*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C8 PFOA	*100*		*48 - 162*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C9 PFNA	*108*		*51 - 167*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C6 PFDA	*94*		*49 - 163*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C7 PFUnA	*85*		*34 - 174*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C2-PFDoDA	*78*		*17 - 176*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C2 PFTeDA	*60*		*10 - 179*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C3 PFBS	*140*		*16 - 200*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C3 PFHxS	*106*		*28 - 188*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C8 PFOS	*100*		*51 - 159*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
d3-NMeFOSAA	*69*		*31 - 174*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
d5-NEtFOSAA	*78*		*29 - 195*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C8 FOSA	*66*		*10 - 168*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C4 PFBA	*104*		*42 - 165*	*02/19/22 12:48*	*02/21/22 23:19*	*1*
13C5 PFPeA	*126*		*38 - 187*	*02/19/22 12:48*	*02/21/22 23:19*	*1*

Client Sample ID: MW-22-R-S

Lab Sample ID: 410-72246-4

Date Collected: 02/07/22 13:06

Matrix: Water

Date Received: 02/09/22 11:38

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**15**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluoroheptanoic acid	**11**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorooctanoic acid	**41**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorononanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorodecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorotridecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorotetradecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorobutanesulfonic acid	**7.7**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorohexanesulfonic acid	**7.2**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-22-R-S
Date Collected: 02/07/22 13:06
Date Received: 02/09/22 11:38

Lab Sample ID: 410-72246-4
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	**97**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
NEtFOSAA	**5.4**	**J cn**	30	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
NMeFOSAA	**8.8**	**J cn**	20	6.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluoroheptanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorodecanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorooctanesulfonamide	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorobutanoic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluoroundecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluorododecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1
6:2 Fluorotelomer sulfonic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:30	1
8:2 Fluorotelomer sulfonic acid	ND	cn	30	10	ng/L		02/19/22 12:48	02/21/22 23:30	1
Perfluoropentanoic acid	**8.3**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*127*	*cn*	*33 - 200*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
M2-6:2 FTS	*138*	*cn*	*17 - 200*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C5 PFHxA	*121*	*cn*	*24 - 179*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C4 PFHpA	*117*	*cn*	*31 - 182*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C8 PFOA	*116*	*cn*	*48 - 162*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C9 PFNA	*119*	*cn*	*51 - 167*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C6 PFDA	*113*	*cn*	*49 - 163*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C7 PFUnA	*119*	*cn*	*34 - 174*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C2-PFDoDA	*110*	*cn*	*17 - 176*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C2 PFTeDA	*99*	*cn*	*10 - 179*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C3 PFBS	*119*	*cn*	*16 - 200*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C3 PFHxS	*122*	*cn*	*28 - 188*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C8 PFOS	*116*	*cn*	*51 - 159*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
d3-NMeFOSAA	*101*	*cn*	*31 - 174*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
d5-NEtFOSAA	*108*	*cn*	*29 - 195*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C8 FOSA	*121*	*cn*	*10 - 168*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C4 PFBA	*112*	*cn*	*42 - 165*	*02/19/22 12:48*	*02/21/22 23:30*	*1*
13C5 PFPeA	*120*	*cn*	*38 - 187*	*02/19/22 12:48*	*02/21/22 23:30*	*1*

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M282FTS	M262FTS	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(33-200)	(17-200)	(24-179)	(31-182)	(48-162)	(51-167)	(49-163)	(34-174)
410-72246-1	MW-21S	104	147	90	95	95	105	81	70
410-72246-2	MW-21D	121 cn	143 cn	105 cn	106 cn	107 cn	114 cn	108 cn	107 cn
410-72246-3	MW-25S	110	148	92	98	100	108	94	85
410-72246-4	MW-22-R-S	127 cn	138 cn	121 cn	117 cn	116 cn	119 cn	113 cn	119 cn
LCS 410-225633/2-A	Lab Control Sample	123	132	108	108	116	120	114	112
LCSD 410-225633/3-A	Lab Control Sample Dup	113	130	109	112	108	112	110	106
MB 410-225633/1-A	Method Blank	104	125	102	106	109	111	107	112

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoDA	PFTDA	C3PFBS	C3PFHS	C8PFOS	d3NMFOS	d5NEFOS	PFOSA
Lab Sample ID	Client Sample ID	(17-176)	(10-179)	(16-200)	(28-188)	(51-159)	(31-174)	(29-195)	(10-168)
410-72246-1	MW-21S	57	52	152	103	95	53	59	68
410-72246-2	MW-21D	106 cn	91 cn	123 cn	110 cn	112 cn	100 cn	108 cn	114 cn
410-72246-3	MW-25S	78	60	140	106	100	69	78	66
410-72246-4	MW-22-R-S	110 cn	99 cn	119 cn	122 cn	116 cn	101 cn	108 cn	121 cn
LCS 410-225633/2-A	Lab Control Sample	107	92	122	114	115	103	107	108
LCSD 410-225633/3-A	Lab Control Sample Dup	98	89	117	114	110	97	100	98
MB 410-225633/1-A	Method Blank	97	80	108	109	109	92	100	101

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PFBA	PFPeA
Lab Sample ID	Client Sample ID	(42-165)	(38-187)
410-72246-1	MW-21S	104	130
410-72246-2	MW-21D	108 cn	116 cn
410-72246-3	MW-25S	104	126
410-72246-4	MW-22-R-S	112 cn	120 cn
LCS 410-225633/2-A	Lab Control Sample	114	116
LCSD 410-225633/3-A	Lab Control Sample Dup	106	108
MB 410-225633/1-A	Method Blank	104	106

Surrogate Legend

M282FTS = M2-8:2 FTS
M262FTS = M2-6:2 FTS
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-225633/1-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
NEtFOSAA	ND		3.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
NMeFOSAA	ND		2.0	0.60	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*104*		*33 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
M2-6:2 FTS	*125*		*17 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C5 PFHxA	*102*		*24 - 179*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C4 PFHpA	*106*		*31 - 182*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 PFOA	*109*		*48 - 162*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C9 PFNA	*111*		*51 - 167*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C6 PFDA	*107*		*49 - 163*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C7 PFUnA	*112*		*34 - 174*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C2-PFDoDA	*97*		*17 - 176*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C2 PFTeDA	*80*		*10 - 179*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C3 PFBS	*108*		*16 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C3 PFHxS	*109*		*28 - 188*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 PFOS	*109*		*51 - 159*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
d3-NMeFOSAA	*92*		*31 - 174*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
d5-NEtFOSAA	*100*		*29 - 195*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 FOSA	*101*		*10 - 168*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C4 PFBA	*104*		*42 - 165*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C5 PFPeA	*106*		*38 - 187*	*02/19/22 12:48*	*02/21/22 22:13*	*1*

Lab Sample ID: LCS 410-225633/2-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			25.6	27.1		ng/L		106	58 - 139		
Perfluoroheptanoic acid			25.6	28.3		ng/L		111	59 - 145		

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-225633/2-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorooctanoic acid			25.6	25.0		ng/L		98	51 - 145		
Perfluorononanoic acid			25.6	24.8		ng/L		97	61 - 139		
Perfluorodecanoic acid			25.6	27.4		ng/L		107	56 - 138		
Perfluorotridecanoic acid			25.6	26.0		ng/L		102	58 - 146		
Perfluorotetradecanoic acid			25.6	27.9		ng/L		109	62 - 139		
Perfluorobutanesulfonic acid			22.7	24.3		ng/L		107	53 - 138		
Perfluorohexanesulfonic acid			23.3	25.4		ng/L		109	58 - 134		
Perfluorooctanesulfonic acid			23.7	25.2		ng/L		106	45 - 150		
NEtFOSAA			25.6	25.1		ng/L		98	55 - 134		
NMeFOSAA			25.6	25.1		ng/L		98	59 - 140		
Perfluoroheptanesulfonic acid			24.4	25.1		ng/L		103	56 - 140		
Perfluorodecanesulfonic acid			24.7	23.2		ng/L		94	55 - 137		
Perfluorooctanesulfonamide			25.6	31.7		ng/L		124	43 - 167		
Perfluorobutanoic acid			25.6	25.1		ng/L		98	59 - 136		
Perfluoroundecanoic acid			25.6	27.3		ng/L		107	60 - 141		
Perfluorododecanoic acid			25.6	26.5		ng/L		104	59 - 143		
6:2 Fluorotelomer sulfonic acid			24.3	22.8		ng/L		94	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	24.2		ng/L		99	55 - 138		
Perfluoropentanoic acid			25.6	23.9		ng/L		93	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*123*		*33 - 200*
M2-6:2 FTS	*132*		*17 - 200*
13C5 PFHxA	*108*		*24 - 179*
13C4 PFHpA	*108*		*31 - 182*
13C8 PFOA	*116*		*48 - 162*
13C9 PFNA	*120*		*51 - 167*
13C6 PFDA	*114*		*49 - 163*
13C7 PFUnA	*112*		*34 - 174*
13C2-PFDoDA	*107*		*17 - 176*
13C2 PFTeDA	*92*		*10 - 179*
13C3 PFBS	*122*		*16 - 200*
13C3 PFHxS	*114*		*28 - 188*
13C8 PFOS	*115*		*51 - 159*
d3-NMeFOSAA	*103*		*31 - 174*
d5-NEtFOSAA	*107*		*29 - 195*
13C8 FOSA	*108*		*10 - 168*
13C4 PFBA	*114*		*42 - 165*
13C5 PFPeA	*116*		*38 - 187*

Lab Sample ID: LCSD 410-225633/3-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			25.6	25.8		ng/L		101	58 - 139	5	30
Perfluoroheptanoic acid			25.6	26.7		ng/L		104	59 - 145	6	30
Perfluorooctanoic acid			25.6	26.3		ng/L		103	51 - 145	5	30
Perfluorononanoic acid			25.6	26.0		ng/L		101	61 - 139	5	30

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-225633/3-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid			25.6	25.9		ng/L		101	56 - 138	6	30
Perfluorotridecanoic acid			25.6	27.1		ng/L		106	58 - 146	4	30
Perfluorotetradecanoic acid			25.6	27.0		ng/L		106	62 - 139	3	30
Perfluorobutanesulfonic acid			22.7	24.0		ng/L		106	53 - 138	1	30
Perfluorohexanesulfonic acid			23.3	24.0		ng/L		103	58 - 134	5	30
Perfluorooctanesulfonic acid			23.7	25.3		ng/L		107	45 - 150	0	30
NEtFOSAA			25.6	25.8		ng/L		101	55 - 134	3	30
NMeFOSAA			25.6	25.2		ng/L		98	59 - 140	0	30
Perfluoroheptanesulfonic acid			24.4	25.2		ng/L		103	56 - 140	0	30
Perfluorodecanesulfonic acid			24.7	23.1		ng/L		94	55 - 137	0	30
Perfluorooctanesulfonamide			25.6	31.3		ng/L		122	43 - 167	1	30
Perfluorobutanoic acid			25.6	26.1		ng/L		102	59 - 136	4	30
Perfluoroundecanoic acid			25.6	27.2		ng/L		106	60 - 141	1	30
Perfluorododecanoic acid			25.6	26.9		ng/L		105	59 - 143	2	30
6:2 Fluorotelomer sulfonic acid			24.3	24.2		ng/L		100	28 - 173	6	30
8:2 Fluorotelomer sulfonic acid			24.5	24.8		ng/L		101	55 - 138	2	30
Perfluoropentanoic acid			25.6	24.8		ng/L		97	57 - 141	4	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-8:2 FTS	*113*		*33 - 200*
M2-6:2 FTS	*130*		*17 - 200*
13C5 PFHxA	*109*		*24 - 179*
13C4 PFHpA	*112*		*31 - 182*
13C8 PFOA	*108*		*48 - 162*
13C9 PFNA	*112*		*51 - 167*
13C6 PFDA	*110*		*49 - 163*
13C7 PFUnA	*106*		*34 - 174*
13C2-PFDoDA	*98*		*17 - 176*
13C2 PFTeDA	*89*		*10 - 179*
13C3 PFBS	*117*		*16 - 200*
13C3 PFHxS	*114*		*28 - 188*
13C8 PFOS	*110*		*51 - 159*
d3-NMeFOSAA	*97*		*31 - 174*
d5-NEtFOSAA	*100*		*29 - 195*
13C8 FOSA	*98*		*10 - 168*
13C4 PFBA	*106*		*42 - 165*
13C5 PFPeA	*108*		*38 - 187*

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

LCMS

Prep Batch: 225633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72246-1	MW-21S	Total/NA	Water	EPA 537 (mod)	
410-72246-2	MW-21D	Total/NA	Water	EPA 537 (mod)	
410-72246-3	MW-25S	Total/NA	Water	EPA 537 (mod)	
410-72246-4	MW-22-R-S	Total/NA	Water	EPA 537 (mod)	
MB 410-225633/1-A	Method Blank	Total/NA	Water	EPA 537 (mod)	
LCS 410-225633/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (mod)	
LCSD 410-225633/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (mod)	

Analysis Batch: 225804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72246-1	MW-21S	Total/NA	Water	EPA 537 (Mod)	225633
410-72246-2	MW-21D	Total/NA	Water	EPA 537 (Mod)	225633
410-72246-3	MW-25S	Total/NA	Water	EPA 537 (Mod)	225633
410-72246-4	MW-22-R-S	Total/NA	Water	EPA 537 (Mod)	225633
MB 410-225633/1-A	Method Blank	Total/NA	Water	EPA 537 (Mod)	225633
LCS 410-225633/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (Mod)	225633
LCSD 410-225633/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (Mod)	225633

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Client Sample ID: MW-21S
Lab Sample ID: 410-72246-1
Date Collected: 02/07/22 09:39
Matrix: Water
Date Received: 02/09/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/21/22 22:57	UCD3	ELLE

Client Sample ID: MW-21D
Lab Sample ID: 410-72246-2
Date Collected: 02/07/22 10:45
Matrix: Water
Date Received: 02/09/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/21/22 23:08	UCD3	ELLE

Client Sample ID: MW-25S
Lab Sample ID: 410-72246-3
Date Collected: 02/07/22 11:50
Matrix: Water
Date Received: 02/09/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/21/22 23:19	UCD3	ELLE

Client Sample ID: MW-22-R-S
Lab Sample ID: 410-72246-4
Date Collected: 02/07/22 13:06
Matrix: Water
Date Received: 02/09/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/21/22 23:30	UCD3	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537 (Mod)	EPA 537 (mod)	Water	6:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	8:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	NEtFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	NMeFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorododecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorononanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonamide
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoropentanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotetradecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotridecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroundecanoic acid

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Method	Method Description	Protocol	Laboratory
EPA 537 (Mod)	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537 (mod)	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1430

Job ID: 410-72246-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-72246-1	MW-21S	Water	02/07/22 09:39	02/09/22 11:38
410-72246-2	MW-21D	Water	02/07/22 10:45	02/09/22 11:38
410-72246-3	MW-25S	Water	02/07/22 11:50	02/09/22 11:38
410-72246-4	MW-22-R-S	Water	02/07/22 13:06	02/09/22 11:38

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: N1429-N1430
COC Number: 2025782

CLIENT INFORMATION

Report to be sent to:
COMPANY: ENVIROTAC LTD.
ADDRESS: 5 Old Dock Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Rose
PHONE: (631) 924-3681 FAX:

PROJECT INFORMATION

PROJECT NAME: NYSDEC: Crown Oyrman
PROJECT #: LOCATION: Glenlove
PROJECT MANAGER: Mike Rose
E-MAIL: MikeR@Envirotac.com
PHONE: FAX:

BILLING INFORMATION

BILL TO: ENV. TOTAL LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT _____
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ US EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other _____

ANALYSIS

1 VOC 5w-8260
2 METALS 6010
3 TOTAL N/A
4 D-Silved
5 Fe, Mn 6010
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW # 21S	GW		X	2/7/22	9:30	7	2	2	/	/	/	3				
2.	MW # 21D	GW		X	2/7/22	10:45	7	2	2	/	/	/	3				
3.	MW # 25S	GW		X	2/7/22	11:50	6	2	2	/	/	/	2				
4.	MW # 22R/S	GW		X	2/7/22	13:06	6	2	2				2				
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1.	2/7/22	1.	1535 2-7-22
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME 1714	RECEIVED FOR LAB BY	
3.	2-7-22	3. SB	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.8
Comments: TO Be lab Filtered
Vials In CSM Frig @ 1717

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

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WWW.CHEMTECH.NET

410-72246 Chain of Custody

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY EUROFINS Lancaster Laboratories	ORDER ID : N1430		BILL TO: CHEMTECH PO# : N1430
ADDRESS : 2425 New Holland Pike	PROJECT ID:NYSDEC Crown Dykman – Glen Cove		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER Samantha		CITY: Mountainsid State : NJ ZIP : 07092
E-mail :	E-mail : Samantha@chemtech.net		ATTENTION :Samant
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN **Report :** NYS ASP B **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-21S	Water	PFAS	NONE	537	02/07/2022	09:39:00	3	5
02	MW-21D	Water	PFAS	NONE	537	02/07/2022	10:45:00	3	5
03	MW-25S	Water	PFAS	NONE	537	02/07/2022	11:50:00	2	5
04	MW-22-R-S	Water	PFAS	NONE	537	02/07/2022	13:06:00	2	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME: 2/8/22	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: 0.3°C ☐ Compliant ☐ Non Compliant	Cooler Ice or Cooler?
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUIESHED BY: 3.	DATETIME: 2/9/22 1130	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-72246-1

Login Number: 72246

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: McCaskey, Jonathan

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1438

ATTENTION : Mike Rose

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-22-R-D	N1438-01	8260-Low				6010D	
MW-22-R-D	N1438-02	8260-Low				6010D	
MW-25-R-D	N1438-03	8260-Low				6010D	
MW-25-R-D	N1438-04	8260-Low				6010D	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N1438-01	Water	02/08/22	02/08/22		02/09/22
N1438-03	Water	02/08/22	02/08/22		02/09/22

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1438-01	Water	8260-Low	5030		
N1438-03	Water	8260-Low	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1438-02	Water	Dissolved ICP-Group2	02/08/22	02/11/22	02/15/22
N1438-04	Water	Dissolved ICP-Group2	02/08/22	02/11/22	02/14/22

*** Details For Test :** Dissolved ICP-Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1438-01	Water	Metals Group4	02/08/22	02/11/22	02/14/22
N1438-03	Water	Metals Group4	02/08/22	02/11/22	02/14/22

*** Details For Test :** Metals Group4

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Cover Page

Order ID : N1438

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1438-01	MW-22-R-D
N1438-02	MW-22-R-D
N1438-03	MW-25-R-D
N1438-04	MW-25-R-D

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 12:12 pm, Mar 16, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
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CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1438
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
4 Water samples were received on 02/08/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {VX0209WBS01} with File ID: VX026867.D met requirements for all samples except for Acetone[130%] , All other associated QCs are within the Limits. Lab notified this issue to the client. See the communication in shipping Document section.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (82X020822W.M) for t-1,3-Dichloropropene, Bromoform these compounds are passing on Linear Regression and Chloroethane this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Samples MW-22-R-D, MW-25-R-D were diluted due to high concentrations.

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E. Additional Comments:

This data package has been revised due to parameter list changed and to include TICS.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:12 pm, Mar 16, 2022

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1438
Test Name: Dissolved ICP-Group2,Metals Group4

A. Number of Samples and Date of Receipt:
4 Water samples were received on 02/08/2022.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for Dissolved ICP-Group2,Metals Group4.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.

The Matrix Spike (20220072-104-21-SITE-WATERMS) analysis met criteria for all samples except for Iron due to unknown sample matrix interference.

The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
Samples# N1431-01, N1431-03 were analyzed as Total metals and Samples# N1431-02, N1431-04 were analyzed as Dissolved metals.

In analytical sequence LB118670, The % recovery was outside of acceptance limit for Sodium of CCV09 but there is no sample of this project was affected.

In analytical sequence LB118685, The % recovery was outside of acceptance limit for Iron and Sodium of CCV06 but there is no sample of this project was affected.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 12:13 pm, Mar 16, 2022

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N1438

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: APARNA SONI **Date:** 03/16/2022

2nd Level QA Review Signature: N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:13 pm, Mar 16, 2022

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N1438	**OrderDate:**	2/8/2022 11:42:00 AM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1438-01	**MW-22-R-D**	**Water**			**02/08/22**			**02/08/22**
			VOCMS Group1	8260-Low			02/09/22	
N1438-01DL	**MW-22-R-DDL**	**Water**			**02/08/22**			**02/08/22**
			VOCMS Group1	8260-Low			02/10/22	
N1438-03	**MW-25-R-D**	**Water**			**02/08/22**			**02/08/22**
			VOCMS Group1	8260-Low			02/09/22	
N1438-03DL	**MW-25-R-DDL**	**Water**			**02/08/22**			**02/08/22**
			VOCMS Group1	8260-Low			02/10/22	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-22-R-D**								
N1438-01	MW-22-R-D	Water	Vinyl Chloride		38.50		0.19	1.00	ug/L
N1438-01	MW-22-R-D	Water	1,1-Dichloroethene		1.20		0.26	1.00	ug/L
N1438-01	MW-22-R-D	Water	Acetone		2.90	JQ	1.60	5.00	ug/L
N1438-01	MW-22-R-D	Water	trans-1,2-Dichloroethene		4.80		0.19	1.00	ug/L
N1438-01	MW-22-R-D	Water	cis-1,2-Dichloroethene		630.00	E	0.22	1.00	ug/L
N1438-01	MW-22-R-D	Water	Methylcyclohexane		0.64	J	0.14	1.00	ug/L
N1438-01	MW-22-R-D	Water	Benzene		0.54	J	0.18	1.00	ug/L
N1438-01	MW-22-R-D	Water	Trichloroethene		2.80		0.17	1.00	ug/L
N1438-01	MW-22-R-D	Water	Tetrachloroethene		1.00		0.17	1.00	ug/L
			Total Voc :		682.38				
			Total Concentration:		682.38				
Client ID:	**MW-22-R-DDL**								
N1438-01DL	MW-22-R-DDL	Water	Vinyl Chloride		43.50	D	3.90	20.0	ug/L
N1438-01DL	MW-22-R-DDL	Water	cis-1,2-Dichloroethene		690.00	D	4.40	20.0	ug/L
			Total Voc :		733.5				
			Total Concentration:		733.5				
Client ID:	**MW-25-R-D**								
N1438-03	MW-25-R-D	Water	Vinyl Chloride		26.30		0.19	1.00	ug/L
N1438-03	MW-25-R-D	Water	1,1-Dichloroethene		1.60		0.26	1.00	ug/L
N1438-03	MW-25-R-D	Water	Acetone		2.40	JQ	1.60	5.00	ug/L
N1438-03	MW-25-R-D	Water	trans-1,2-Dichloroethene		4.70		0.19	1.00	ug/L
N1438-03	MW-25-R-D	Water	cis-1,2-Dichloroethene		790.00	E	0.22	1.00	ug/L
N1438-03	MW-25-R-D	Water	Methylcyclohexane		0.51	J	0.14	1.00	ug/L
N1438-03	MW-25-R-D	Water	Benzene		0.33	J	0.18	1.00	ug/L
N1438-03	MW-25-R-D	Water	1,2-Dichloroethane		0.50	J	0.25	1.00	ug/L
N1438-03	MW-25-R-D	Water	Trichloroethene		95.90		0.17	1.00	ug/L
N1438-03	MW-25-R-D	Water	Tetrachloroethene		36.00		0.17	1.00	ug/L
			Total Voc :		958.24				
N1438-03	MW-25-R-D	Water	1,2,4-Trimethylbenzene	*	0.32	J	0.20	1.00	ug/L
			Total Tics :		0.32				
			Total Concentration:		958.56				
Client ID:	**MW-25-R-DDL**								
N1438-03DL	MW-25-R-DDL	Water	Vinyl Chloride		24.80	D	3.90	20.0	ug/L
N1438-03DL	MW-25-R-DDL	Water	cis-1,2-Dichloroethene		800.00	D	4.40	20.0	ug/L
N1438-03DL	MW-25-R-DDL	Water	Trichloroethene		90.00	D	3.50	20.0	ug/L
N1438-03DL	MW-25-R-DDL	Water	Tetrachloroethene		32.00	D	3.30	20.0	ug/L
			Total Voc :		946.8				
			Total Concentration:		946.8				

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026876.D	1		02/09/22 18:06	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	38.5		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.20		0.26	1.00	ug/L
67-64-1	Acetone	2.90	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	630	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.64	J	0.14	1.00	ug/L
71-43-2	Benzene	0.54	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	2.80		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026876.D	1		02/09/22 18:06	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.9		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	5.556			
540-36-3	1,4-Difluorobenzene	217000	6.769			
3114-55-4	Chlorobenzene-d5	194000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81900	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026876.D	1		02/09/22 18:06	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026930.D	20		02/10/22 19:04	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	43.5	D	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	690	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	20.0	UD	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026930.D	20		02/10/22 19:04	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	20.0	UD	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		78 - 117	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.9		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.556			
540-36-3	1,4-Difluorobenzene	193000	6.763			
3114-55-4	Chlorobenzene-d5	167000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	71300	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026930.D	20		02/10/22 19:04	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026877.D	1		02/09/22 18:30	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	26.3		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.60		0.26	1.00	ug/L
67-64-1	Acetone	2.40	JQ	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.70		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	790	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.51	J	0.14	1.00	ug/L
71-43-2	Benzene	0.33	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	J	0.25	1.00	ug/L
79-01-6	Trichloroethene	95.9		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026877.D	1		02/09/22 18:30	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	36.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127000	5.562			
540-36-3	1,4-Difluorobenzene	210000	6.763			
3114-55-4	Chlorobenzene-d5	193000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	82900	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.32	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026877.D	1		02/09/22 18:30	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026931.D	20		02/10/22 19:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	24.8	D	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	800	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	90.0	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026931.D	20		02/10/22 19:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	32.0	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		78 - 117	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	119000	5.562			
540-36-3	1,4-Difluorobenzene	203000	6.763			
3114-55-4	Chlorobenzene-d5	179000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74700	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-DDL	SDG No.:	N1438
Lab Sample ID:	N1438-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026931.D	20		02/10/22 19:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N1438-01	MW-22-R-D	1,2-Dichloroethane-d4	50	53.6	107	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	52.9	106	92	112
		4-Bromofluorobenzene	50	54.5	109	83	123
N1438-01DL	MW-22-R-DDL	1,2-Dichloroethane-d4	50	55.0	110	78	117
		Dibromofluoromethane	50	52.8	106	75	124
		Toluene-d8	50	52.9	106	92	112
		4-Bromofluorobenzene	50	51.7	103	83	123
N1438-03	MW-25-R-D	1,2-Dichloroethane-d4	50	53.1	106	78	117
		Dibromofluoromethane	50	52.1	104	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	57.0	114	83	123
N1438-03DL	MW-25-R-DDL	1,2-Dichloroethane-d4	50	55.2	110	78	117
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	52.9	106	83	123
VX0209WBL01	VX0209WBL01	1,2-Dichloroethane-d4	50	53.0	106	78	117
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	52.8	106	92	112
		4-Bromofluorobenzene	50	52.6	105	83	123
VX0209WBS01	VX0209WBS01	1,2-Dichloroethane-d4	50	53.5	107	78	117
		Dibromofluoromethane	50	53.4	107	75	124
		Toluene-d8	50	55.0	110	92	112
		4-Bromofluorobenzene	50	56.1	112	83	123
VX0209WBSD0	VX0209WBSD01	1,2-Dichloroethane-d4	50	55.6	111	78	117
		Dibromofluoromethane	50	54.2	108	75	124
		Toluene-d8	50	54.5	109	92	112
		4-Bromofluorobenzene	50	56.1	112	83	123
VX0210WBL02	VX0210WBL02	1,2-Dichloroethane-d4	50	54.5	109	78	117
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	52.6	105	83	123
VX0210WBS02	VX0210WBS02	1,2-Dichloroethane-d4	50	53.3	107	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	52.8	106	92	112
		4-Bromofluorobenzene	50	52.2	104	83	123

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026867.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0209WBS01	Dichlorodifluoromethane	20	21.2	ug/L	106			69	116	
	Chloromethane	20	21.1	ug/L	106			65	116	
	Vinyl chloride	20	20.2	ug/L	101			65	117	
	Bromomethane	20	21.8	ug/L	109			55	134	
	Chloroethane	20	20.4	ug/L	102			73	112	
	Trichlorofluoromethane	20	20.4	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			80	112	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acetone	100	130	ug/L	130		*	60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	19.5	ug/L	98			78	114	
	Methyl Acetate	20	19.2	ug/L	96			67	125	
	Methylene Chloride	20	19.6	ug/L	98			72	114	
	trans-1,2-Dichloroethene	20	19.8	ug/L	99			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	20.0	ug/L	100			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			77	110	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Methylcyclohexane	20	21.1	ug/L	106			72	115	
	Benzene	20	20.2	ug/L	101			82	109	
	1,2-Dichloroethane	20	21.0	ug/L	105			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	1,2-Dichloropropane	20	19.7	ug/L	99			83	111	
	Bromodichloromethane	20	20.8	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			79	110	
	cis-1,3-Dichloropropene	20	21.4	ug/L	107			82	110	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.2	ug/L	106			82	110	
	1,2-Dibromoethane	20	21.0	ug/L	105			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	20.4	ug/L	102			82	109	
	1,1,1,2-Tetrachloroethane	20	20.7	ug/L	104			84	111	
	Ethyl Benzene	20	21.0	ug/L	105			83	109	
	m/p-Xylenes	40	41.6	ug/L	104			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	20.6	ug/L	103			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	21.0	ug/L	105			83	112	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			76	118	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.1	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026867.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0209WBS01	1,2,4-Trichlorobenzene	20	20.3	ug/L	102			74	114	
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026868.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0209WBSD01	Dichlorodifluoromethane	20	20.9	ug/L	104	2		69	116	20
	Chloromethane	20	20.2	ug/L	101	5		65	116	20
	Vinyl chloride	20	20.3	ug/L	102	1		65	117	20
	Bromomethane	20	21.8	ug/L	109	0		55	134	20
	Chloroethane	20	20.2	ug/L	101	1		73	112	20
	Trichlorofluoromethane	20	21.1	ug/L	106	4		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108	4		80	112	20
	1,1-Dichloroethene	20	20.5	ug/L	103	5		74	110	20
	Acetone	100	120	ug/L	120	8		60	125	20
	Carbon disulfide	20	19.4	ug/L	97	3		64	112	20
	Methyl tert-butyl Ether	20	20.3	ug/L	102	4		78	114	20
	Methyl Acetate	20	19.5	ug/L	98	2		67	125	20
	Methylene Chloride	20	19.9	ug/L	100	2		72	114	20
	trans-1,2-Dichloroethene	20	20.9	ug/L	104	5		75	108	20
	1,1-Dichloroethane	20	20.7	ug/L	104	4		78	112	20
	Cyclohexane	20	20.6	ug/L	103	3		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	20
	Carbon Tetrachloride	20	20.8	ug/L	104	3		77	113	20
	cis-1,2-Dichloroethene	20	20.9	ug/L	104	4		77	110	20
	Chloroform	20	20.4	ug/L	102	2		79	113	20
	1,1,1-Trichloroethane	20	20.7	ug/L	104	4		80	108	20
	Methylcyclohexane	20	21.5	ug/L	108	2		72	115	20
	Benzene	20	20.6	ug/L	103	2		82	109	20
	1,2-Dichloroethane	20	21.6	ug/L	108	3		80	115	20
	Trichloroethene	20	20.1	ug/L	101	2		77	113	20
	1,2-Dichloropropane	20	20.5	ug/L	103	4		83	111	20
	Bromodichloromethane	20	21.0	ug/L	105	1		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		74	118	20
	Toluene	20	20.1	ug/L	101	1		82	110	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	2		79	110	20
	cis-1,3-Dichloropropene	20	21.6	ug/L	108	1		82	110	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	0		83	112	20
	2-Hexanone	100	110	ug/L	110	0		73	117	20
	Dibromochloromethane	20	21.3	ug/L	106	0		82	110	20
	1,2-Dibromoethane	20	21.0	ug/L	105	0		81	110	20
	Tetrachloroethene	20	20.1	ug/L	101	2		67	123	20
	Chlorobenzene	20	20.4	ug/L	102	0		82	109	20
	1,1,1,2-Tetrachloroethane	20	20.6	ug/L	103	1		84	111	20
	Ethyl Benzene	20	20.7	ug/L	104	1		83	109	20
	m/p-Xylenes	40	41.6	ug/L	104	0		82	110	20
	o-Xylene	20	20.6	ug/L	103	2		83	109	20
	Styrene	20	21.1	ug/L	106	3		80	111	20
	Bromoform	20	19.8	ug/L	99	1		79	109	20
	Isopropylbenzene	20	20.3	ug/L	102	3		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	1		76	118	20
	1,3-Dichlorobenzene	20	20.5	ug/L	103	2		82	108	20
	1,4-Dichlorobenzene	20	20.1	ug/L	101	0		82	107	20
	1,2-Dichlorobenzene	20	20.6	ug/L	103	3		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.3	ug/L	97	2		68	112	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026868.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0209WBSD01	1,2,4-Trichlorobenzene	20	20.4	ug/L	102	0		74	114	20
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100	1		77	113	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0210WBS02	Dichlorodifluoromethane	20	20.1	ug/L	101			69	116	
	Chloromethane	20	19.9	ug/L	100			65	116	
	Vinyl chloride	20	20.1	ug/L	101			65	117	
	Bromomethane	20	20.1	ug/L	101			55	134	
	Chloroethane	20	19.3	ug/L	97			73	112	
	Trichlorofluoromethane	20	20.0	ug/L	100			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102			80	112	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	95.9	ug/L	96			60	125	
	Carbon disulfide	20	18.0	ug/L	90			64	112	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			78	114	
	Methyl Acetate	20	18.4	ug/L	92			67	125	
	Methylene Chloride	20	18.8	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			75	108	
	1,1-Dichloroethane	20	19.6	ug/L	98			78	112	
	Cyclohexane	20	19.5	ug/L	98			75	110	
	2-Butanone	100	96.5	ug/L	97			65	122	
	Carbon Tetrachloride	20	19.2	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			77	110	
	Chloroform	20	19.6	ug/L	98			79	113	
	1,1,1-Trichloroethane	20	19.2	ug/L	96			80	108	
	Methylcyclohexane	20	20.0	ug/L	100			72	115	
	Benzene	20	19.7	ug/L	99			82	109	
	1,2-Dichloroethane	20	21.2	ug/L	106			80	115	
	Trichloroethene	20	19.0	ug/L	95			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Bromodichloromethane	20	20.1	ug/L	101			83	110	
	4-Methyl-2-Pentanone	100	99.6	ug/L	100			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			79	110	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			82	110	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			83	112	
	2-Hexanone	100	99.5	ug/L	100			73	117	
	Dibromochloromethane	20	20.2	ug/L	101			82	110	
	1,2-Dibromoethane	20	19.9	ug/L	100			81	110	
	Tetrachloroethene	20	18.6	ug/L	93			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	1,1,1,2-Tetrachloroethane	20	19.3	ug/L	97			84	111	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	39.6	ug/L	99			82	110	
	o-Xylene	20	19.3	ug/L	97			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	17.9	ug/L	90			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.6	ug/L	98			82	107	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1438

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0210WBS02	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			74	114	
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94			77	113	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0209WBL01

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026866.D Lab Sample ID: VX0209WBL01

Date Analyzed: 02/09/2022 Time Analyzed: 12:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0209WBS01	VX0209WBS01	VX026867.D	02/09/2022
VX0209WBSD01	VX0209WBSD01	VX026868.D	02/09/2022
MW-22-R-D	N1438-01	VX026876.D	02/09/2022
MW-25-R-D	N1438-03	VX026877.D	02/09/2022

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0210WBL02

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026914.D Lab Sample ID: VX0210WBL02

Date Analyzed: 02/10/2022 Time Analyzed: 12:31

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0210WBS02	VX0210WBS02	VX026921.D	02/10/2022
MW-22-R-DDL	N1438-01DL	VX026930.D	02/10/2022
MW-25-R-DDL	N1438-03DL	VX026931.D	02/10/2022

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026801.D BFB Injection Date: 02/07/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:25

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	70.3 (96.1) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX026802.D	02/07/2022	23:57
VSTDICC005	VSTDICC005	VX026803.D	02/08/2022	00:43
VSTDICC020	VSTDICC020	VX026804.D	02/08/2022	01:06
VSTDICCC050	VSTDICCC050	VX026805.D	02/08/2022	01:29
VSTDICC100	VSTDICC100	VX026806.D	02/08/2022	01:52
VSTDICC150	VSTDICC150	VX026807.D	02/08/2022	02:15

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026863.D BFB Injection Date: 02/09/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70.8 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026864.D	02/09/2022	11:48
VX0209WBL01	VX0209WBL01	VX026866.D	02/09/2022	12:43
VX0209WBS01	VX0209WBS01	VX026867.D	02/09/2022	14:08
VX0209WBSD01	VX0209WBSD01	VX026868.D	02/09/2022	14:39
MW-22-R-D	N1438-01	VX026876.D	02/09/2022	18:06
MW-25-R-D	N1438-03	VX026877.D	02/09/2022	18:30

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026910.D BFB Injection Date: 02/10/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.5 (7.6) 1
176	95.0 - 101.0% of mass 174	70 (97.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026911.D	02/10/2022	10:59
VX0210WBL02	VX0210WBL02	VX026914.D	02/10/2022	12:31
VX0210WBS02	VX0210WBS02	VX026921.D	02/10/2022	15:32
MW-22-R-DDL	N1438-01DL	VX026930.D	02/10/2022	19:04
MW-25-R-DDL	N1438-03DL	VX026931.D	02/10/2022	19:27

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026864.D Date Analyzed: 02/09/2022

Instrument ID: MSVOA_X Time Analyzed: 11:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	99838	5.56	162158	6.76	136064	10.06
UPPER LIMIT	199676	6.056	324316	7.263	272128	10.555
LOWER LIMIT	49919	5.056	81079	6.263	68032	9.555
EPA SAMPLE NO.						
MW-22-R-D	129395	5.56	217323	6.77	194431	10.06
MW-25-R-D	126752	5.56	210365	6.76	193132	10.06
VX0209WBL01	133120	5.56	221520	6.76	195208	10.06
VX0209WBS01	107079	5.56	172356	6.76	150626	10.06
VX0209WBSD01	97311	5.56	157407	6.76	135238	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026864.D Date Analyzed: 02/09/2022

Instrument ID: MSVOA_X Time Analyzed: 11:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61558	12.024				
UPPER LIMIT	123116	12.524				
LOWER LIMIT	30779	11.524				
EPA SAMPLE NO.						
MW-22-R-D	81940	12.02				
MW-25-R-D	82931	12.02				
VX0209WBL01	80182	12.02				
VX0209WBS01	68579	12.02				
VX0209WBSD01	63222	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026911.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 10:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	99276	5.56	158735	6.76	134664	10.06
UPPER LIMIT	198552	6.056	317470	7.263	269328	10.555
LOWER LIMIT	49638	5.056	79367.5	6.263	67332	9.555
EPA SAMPLE NO.						
MW-22-R-DDL	114151	5.56	193256	6.76	167126	10.06
MW-25-R-DDL	119376	5.56	202674	6.76	178772	10.06
VX0210WBL02	121707	5.56	205644	6.76	180628	10.06
VX0210WBS02	97560	5.56	158098	6.76	136438	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG NO.: N1438

Lab File ID: VX026911.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 10:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61443	12.024				
UPPER LIMIT	122886	12.524				
LOWER LIMIT	30721.5	11.524				
EPA SAMPLE NO.						
MW-22-R-DDL	71280	12.02				
MW-25-R-DDL	74726	12.02				
VX0210WBL02	74766	12.02				
VX0210WBS02	60785	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1438
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1438
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	52.8		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	5.556			
540-36-3	1,4-Difluorobenzene	222000	6.763			
3114-55-4	Chlorobenzene-d5	195000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	80200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBL01	SDG No.:	N1438
Lab Sample ID:	VX0209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026866.D	1		02/09/22 12:43	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL02	SDG No.:	N1438
Lab Sample ID:	VX0210WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026914.D	1		02/10/22 12:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL02	SDG No.:	N1438
Lab Sample ID:	VX0210WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026914.D	1		02/10/22 12:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	5.556			
540-36-3	1,4-Difluorobenzene	206000	6.763			
3114-55-4	Chlorobenzene-d5	181000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74800	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL02	SDG No.:	N1438
Lab Sample ID:	VX0210WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026914.D	1		02/10/22 12:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1438
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.2		0.23	1.00	ug/L
74-87-3	Chloromethane	21.1		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.19	1.00	ug/L
74-83-9	Bromomethane	21.8		0.87	5.00	ug/L
75-00-3	Chloroethane	20.4		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
67-64-1	Acetone	130		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.5		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.0		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.9		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.14	1.00	ug/L
71-43-2	Benzene	20.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.4		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.4		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1438
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.18	1.00	ug/L
1330-20-7	Total Xylenes	61.8		0.51	3.00	ug/L
100-42-5	Styrene	20.6		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	55.0		92 - 112	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	5.556			
540-36-3	1,4-Difluorobenzene	172000	6.763			
3114-55-4	Chlorobenzene-d5	151000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBS01	SDG No.:	N1438
Lab Sample ID:	VX0209WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026867.D	1		02/09/22 14:08	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS02	SDG No.:	N1438
Lab Sample ID:	VX0210WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026921.D	1		02/10/22 15:32	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		0.23	1.00	ug/L
74-87-3	Chloromethane	19.9		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.1		0.19	1.00	ug/L
74-83-9	Bromomethane	20.1		0.87	5.00	ug/L
75-00-3	Chloroethane	19.3		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	95.9		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.21	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.30	5.00	ug/L
78-93-3	2-Butanone	96.5		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.22	1.00	ug/L
67-66-3	Chloroform	19.6		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.14	1.00	ug/L
71-43-2	Benzene	19.7		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.6		0.87	5.00	ug/L
108-88-3	Toluene	19.5		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS02	SDG No.:	N1438
Lab Sample ID:	VX0210WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026921.D	1		02/10/22 15:32	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	99.5		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.3		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.18	1.00	ug/L
1330-20-7	Total Xylenes	58.9		0.51	3.00	ug/L
100-42-5	Styrene	19.6		0.16	1.00	ug/L
75-25-2	Bromoform	17.9		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.8		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97600	5.562			
540-36-3	1,4-Difluorobenzene	158000	6.763			
3114-55-4	Chlorobenzene-d5	136000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	60800	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS02	SDG No.:	N1438
Lab Sample ID:	VX0210WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026921.D	1		02/10/22 15:32	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBSD01	SDG No.:	N1438
Lab Sample ID:	VX0209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026868.D	1		02/09/22 14:39	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		0.23	1.00	ug/L
74-87-3	Chloromethane	20.2		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.3		0.19	1.00	ug/L
74-83-9	Bromomethane	21.8		0.87	5.00	ug/L
75-00-3	Chloroethane	20.2		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.1		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.5		0.26	1.00	ug/L
67-64-1	Acetone	120		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	19.4		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.22	1.00	ug/L
79-20-9	Methyl Acetate	19.5		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.7		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.6		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.9		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.5		0.14	1.00	ug/L
71-43-2	Benzene	20.6		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.25	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.1		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.6		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.1		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBSD01	SDG No.:	N1438
Lab Sample ID:	VX0209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026868.D	1		02/09/22 14:39	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.7		0.18	1.00	ug/L
1330-20-7	Total Xylenes	62.2		0.51	3.00	ug/L
100-42-5	Styrene	21.1		0.16	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.4		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		78 - 117	111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	54.5		92 - 112	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97300	5.556			
540-36-3	1,4-Difluorobenzene	157000	6.763			
3114-55-4	Chlorobenzene-d5	135000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	63200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0209WBSD01	SDG No.:	N1438
Lab Sample ID:	VX0209WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026868.D	1		02/09/22 14:39	VX020922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.534	0.505	0.549	0.536	0.590	0.548	0.544	5.1
Chloromethane	0.544	0.485	0.512	0.486	0.521	0.486	0.506	4.8
Vinyl Chloride	0.507	0.517	0.534	0.519	0.570	0.529	0.529	4.2
Bromomethane		0.227	0.226	0.205	0.242	0.223	0.225	6
Chloroethane	0.320	0.304	0.317	0.303	0.239	0.204	0.281	17
Trichlorofluoromethane	0.769	0.752	0.760	0.770	0.843	0.782	0.779	4.2
1,1,2-Trichlorotrifluoroethane	0.477	0.511	0.509	0.499	0.557	0.511	0.511	5.1
1,1-Dichloroethene	0.505	0.508	0.495	0.499	0.552	0.510	0.512	4
Acetone	0.313	0.266	0.253	0.245	0.263	0.242	0.264	9.8
Carbon Disulfide	1.507	1.402	1.401	1.393	1.553	1.435	1.449	4.6
Methyl tert-butyl Ether	1.873	1.792	1.760	1.744	1.929	1.770	1.811	4
Methyl Acetate	0.915	0.748	0.732	0.708	0.751	0.697	0.758	10.5
Methylene Chloride	0.648	0.571	0.550	0.533	0.587	0.538	0.571	7.5
trans-1,2-Dichloroethene	0.497	0.533	0.529	0.530	0.594	0.547	0.538	5.9
1,1-Dichloroethane	0.952	0.975	0.976	0.960	1.073	0.988	0.987	4.4
Cyclohexane		0.963	0.932	0.927	1.012	0.935	0.954	3.7
2-Butanone	0.433	0.424	0.432	0.415	0.441	0.404	0.425	3.2
Carbon Tetrachloride	0.505	0.455	0.469	0.476	0.543	0.509	0.493	6.5
cis-1,2-Dichloroethene	0.569	0.612	0.617	0.610	0.679	0.622	0.618	5.7
Chloroform	1.085	1.028	1.006	0.977	1.075	0.984	1.026	4.5
1,1,1-Trichloroethane	0.868	0.882	0.875	0.888	0.994	0.920	0.905	5.2
Methylcyclohexane	0.540	0.553	0.568	0.565	0.638	0.594	0.576	6.1
Benzene	1.401	1.355	1.341	1.320	1.450	1.351	1.370	3.5
1,2-Dichloroethane	0.464	0.474	0.485	0.472	0.521	0.479	0.483	4.2
Trichloroethene	0.398	0.402	0.403	0.400	0.447	0.417	0.411	4.6
1,2-Dichloropropane	0.349	0.342	0.345	0.335	0.371	0.339	0.347	3.7
Bromodichloromethane	0.429	0.435	0.456	0.457	0.509	0.470	0.459	6.3
4-Methyl-2-Pentanone	0.523	0.490	0.521	0.480	0.511	0.462	0.498	4.9
Toluene	0.946	0.848	0.856	0.824	0.903	0.826	0.867	5.5
t-1,3-Dichloropropene	0.350	0.383	0.448	0.463	0.536	0.496	0.446	15.5
cis-1,3-Dichloropropene	0.424	0.449	0.503	0.523	0.592	0.551	0.507	12.4
1,1,2-Trichloroethane	0.321	0.328	0.337	0.321	0.348	0.315	0.328	3.7
2-Hexanone	0.362	0.353	0.384	0.354	0.383	0.350	0.364	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.285	0.309	0.348	0.343	0.388	0.354	0.338	10.7
1,2-Dibromoethane	0.332	0.335	0.358	0.341	0.373	0.343	0.347	4.5
Tetrachloroethene	0.453	0.496	0.512	0.508	0.546	0.498	0.502	6
Chlorobenzene	1.041	1.041	1.023	1.000	1.095	1.004	1.034	3.3
1,1,1,2-Tetrachloroethane	0.356	0.367	0.379	0.375	0.419	0.386	0.380	5.7
Ethyl Benzene	1.702	1.817	1.839	1.807	1.990	1.826	1.830	5
m/p-Xylenes	0.688	0.693	0.701	0.687	0.757	0.699	0.704	3.8
o-Xylene	0.688	0.685	0.686	0.672	0.735	0.675	0.690	3.3
Styrene	1.026	1.076	1.136	1.108	1.230	1.139	1.119	6.1
Bromoform	0.199	0.238	0.262	0.268	0.315	0.299	0.263	15.9
Isopropylbenzene	3.918	3.954	4.077	3.901	4.097	3.684	3.938	3.8
1,1,2,2-Tetrachloroethane	1.153	1.117	1.064	0.996	1.081	1.002	1.069	5.8
1,3-Dichlorobenzene	1.749	1.687	1.695	1.650	1.838	1.673	1.715	4
1,4-Dichlorobenzene	1.773	1.710	1.729	1.654	1.821	1.693	1.730	3.4
1,2-Dichlorobenzene	1.615	1.685	1.656	1.616	1.754	1.605	1.655	3.5
1,2-Dibromo-3-Chloropropane	0.225	0.237	0.250	0.269	0.305	0.292	0.263	11.9
1,2,4-Trichlorobenzene	0.970	0.945	1.015	1.038	1.180	1.120	1.045	8.6
1,2,3-Trichlorobenzene	0.970	0.997	1.041	1.048	1.185	1.105	1.058	7.3
1,2-Dichloroethane-d4		0.622	0.609	0.555	0.621	0.593	0.600	4.7
Dibromofluoromethane		0.297	0.302	0.272	0.313	0.305	0.298	5.3
Toluene-d8		1.080	1.148	1.004	1.134	1.103	1.093	5.2
4-Bromofluorobenzene		0.371	0.400	0.352	0.407	0.395	0.385	5.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date/Time: 02/09/2022 11:48

Lab File ID: VX026864.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.587		7.9	20
Chloromethane	0.506	0.532	0.1	5.14	20
Vinyl Chloride	0.529	0.564		6.62	20
Bromomethane	0.225	0.243		8	20
Chloroethane	0.281	0.325		15.66	20
Trichlorofluoromethane	0.779	0.835		7.19	20
1,1,2-Trichlorotrifluoroethane	0.511	0.563		10.18	20
1,1-Dichloroethene	0.512	0.534		4.3	20
Acetone	0.264	0.312		18.18	20
Carbon Disulfide	1.449	1.478		2	20
Methyl tert-butyl Ether	1.811	1.913		5.63	20
Methyl Acetate	0.758	0.756		-0.26	20
Methylene Chloride	0.571	0.582		1.93	20
trans-1,2-Dichloroethene	0.538	0.571		6.13	20
1,1-Dichloroethane	0.987	1.053	0.1	6.69	20
Cyclohexane	0.954	1.009		5.76	20
2-Butanone	0.425	0.466		9.65	20
Carbon Tetrachloride	0.493	0.526		6.69	20
cis-1,2-Dichloroethene	0.618	0.663		7.28	20
Chloroform	1.026	1.078		5.07	20
1,1,1-Trichloroethane	0.905	0.969		7.07	20
Methylcyclohexane	0.576	0.647		12.33	20
Benzene	1.370	1.455		6.2	20
1,2-Dichloroethane	0.483	0.532		10.15	20
Trichloroethene	0.411	0.432		5.11	20
1,2-Dichloropropane	0.347	0.371		6.92	20
Bromodichloromethane	0.459	0.513		11.77	20
4-Methyl-2-Pentanone	0.498	0.523		5.02	20
Toluene	0.867	0.905		4.38	20
t-1,3-Dichloropropene	0.446	0.545		22.2	20
cis-1,3-Dichloropropene	0.507	0.604		19.13	20
1,1,2-Trichloroethane	0.328	0.356		8.54	20
2-Hexanone	0.364	0.389		6.87	20
Dibromochloromethane	0.338	0.380		12.43	20
1,2-Dibromoethane	0.347	0.376		8.36	20
Tetrachloroethene	0.502	0.546		8.77	20
Chlorobenzene	1.034	1.112	0.3	7.54	20
1,1,1,2-Tetrachloroethane	0.380	0.420		10.53	20
Ethyl Benzene	1.830	2.014		10.06	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date/Time: 02/09/2022 11:48

Lab File ID: VX026864.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.769		9.23	20
o-Xylene	0.690	0.747		8.26	20
Styrene	1.119	1.225		9.47	20
Bromoform	0.263	0.300	0.1	14.07	20
Isopropylbenzene	3.938	4.313		9.52	20
1,1,2,2-Tetrachloroethane	1.069	1.108	0.3	3.65	20
1,3-Dichlorobenzene	1.715	1.857		8.28	20
1,4-Dichlorobenzene	1.730	1.858		7.4	20
1,2-Dichlorobenzene	1.655	1.777		7.37	20
1,2-Dibromo-3-Chloropropane	0.263	0.288		9.51	20
1,2,4-Trichlorobenzene	1.045	1.186		13.49	20
1,2,3-Trichlorobenzene	1.058	1.188		12.29	20
1,2-Dichloroethane-d4	0.600	0.653		8.83	20
Dibromofluoromethane	0.298	0.324		8.73	20
Toluene-d8	1.093	1.181		8.05	20
4-Bromofluorobenzene	0.385	0.415		7.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 10:59

Lab File ID: VX026911.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.553		1.65	20
Chloromethane	0.506	0.499	0.1	-1.38	20
Vinyl Chloride	0.529	0.536		1.32	20
Bromomethane	0.225	0.220		-2.22	20
Chloroethane	0.281	0.312		11.03	20
Trichlorofluoromethane	0.779	0.809		3.85	20
1,1,2-Trichlorotrifluoroethane	0.511	0.530		3.72	20
1,1-Dichloroethene	0.512	0.500		-2.34	20
Acetone	0.264	0.297		12.5	20
Carbon Disulfide	1.449	1.368		-5.59	20
Methyl tert-butyl Ether	1.811	1.779		-1.77	20
Methyl Acetate	0.758	0.719		-5.14	20
Methylene Chloride	0.571	0.554		-2.98	20
trans-1,2-Dichloroethene	0.538	0.542		0.74	20
1,1-Dichloroethane	0.987	0.998	0.1	1.11	20
Cyclohexane	0.954	0.957		0.31	20
2-Butanone	0.425	0.437		2.82	20
Carbon Tetrachloride	0.493	0.506		2.64	20
cis-1,2-Dichloroethene	0.618	0.629		1.78	20
Chloroform	1.026	1.026		0	20
1,1,1-Trichloroethane	0.905	0.901		-0.44	20
Methylcyclohexane	0.576	0.615		6.77	20
Benzene	1.370	1.386		1.17	20
1,2-Dichloroethane	0.483	0.518		7.25	20
Trichloroethene	0.411	0.413		0.49	20
1,2-Dichloropropane	0.347	0.356		2.59	20
Bromodichloromethane	0.459	0.493		7.41	20
4-Methyl-2-Pentanone	0.498	0.499		0.2	20
Toluene	0.867	0.856		-1.27	20
t-1,3-Dichloropropene	0.446	0.503		12.78	20
cis-1,3-Dichloropropene	0.507	0.567		11.83	20
1,1,2-Trichloroethane	0.328	0.342		4.27	20
2-Hexanone	0.364	0.365		0.28	20
Dibromochloromethane	0.338	0.363		7.4	20
1,2-Dibromoethane	0.347	0.357		2.88	20
Tetrachloroethene	0.502	0.501		-0.2	20
Chlorobenzene	1.034	1.035	0.3	0.1	20
1,1,1,2-Tetrachloroethane	0.380	0.391		2.89	20
Ethyl Benzene	1.830	1.878		2.62	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1438 SAS No.: N1438 SDG No.: N1438

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 10:59

Lab File ID: VX026911.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.716		1.71	20
o-Xylene	0.690	0.692		0.29	20
Styrene	1.119	1.154		3.13	20
Bromoform	0.263	0.273	0.1	3.8	20
Isopropylbenzene	3.938	3.987		1.24	20
1,1,2,2-Tetrachloroethane	1.069	1.040	0.3	-2.71	20
1,3-Dichlorobenzene	1.715	1.733		1.05	20
1,4-Dichlorobenzene	1.730	1.724		-0.35	20
1,2-Dichlorobenzene	1.655	1.664		0.54	20
1,2-Dibromo-3-Chloropropane	0.263	0.260		-1.14	20
1,2,4-Trichlorobenzene	1.045	1.091		4.4	20
1,2,3-Trichlorobenzene	1.058	1.086		2.65	20
1,2-Dichloroethane-d4	0.600	0.617		2.83	20
Dibromofluoromethane	0.298	0.304		2.01	20
Toluene-d8	1.093	1.109		1.46	20
4-Bromofluorobenzene	0.385	0.385		0	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N1438	**OrderDate:**	2/8/2022 11:42:00 AM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1438-01	**MW-22-R-D**	**Water**			**02/08/22**			**02/08/22**
			Metals Group4	6010D		02/11/22	02/14/22	
N1438-02	**MW-22-R-D**	**Water**			**02/08/22**			**02/08/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/15/22	
N1438-03	**MW-25-R-D**	**Water**			**02/08/22**			**02/08/22**
			Metals Group4	6010D		02/11/22	02/14/22	
N1438-04	**MW-25-R-D**	**Water**			**02/08/22**			**02/08/22**
			Dissolved ICP-Group2	6010D		02/11/22	02/14/22	

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Hit Summary Sheet
SW-846

SDG No.: N1438 **Order ID:** N1438

Client: Envirotrac Environmental Services Ltd. **Project ID:** NYSDEC Crown Dykman – Glen Cove

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-22-R-D								
N1438-01	MW-22-R-D	Water	Iron	10,400.000		9.31	50.0	ug/L
N1438-01	MW-22-R-D	Water	Manganese	778.000		0.85	10.0	ug/L
N1438-01	MW-22-R-D	Water	Sodium	112,000.000		167	1000	ug/L
Client ID : MW-22-R-D								
N1438-02	MW-22-R-D	Water	Iron	6,540.000		9.31	50.0	ug/L
N1438-02	MW-22-R-D	Water	Manganese	672.000		0.85	10.0	ug/L
Client ID : MW-25-R-D								
N1438-03	MW-25-R-D	Water	Iron	4,920.000		9.31	50.0	ug/L
N1438-03	MW-25-R-D	Water	Manganese	6,270.000		0.85	10.0	ug/L
N1438-03	MW-25-R-D	Water	Sodium	56,300.000		167	1000	ug/L
Client ID : MW-25-R-D								
N1438-04	MW-25-R-D	Water	Iron	4,270.000		9.31	50.0	ug/L
N1438-04	MW-25-R-D	Water	Manganese	5,730.000		0.85	10.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	10400	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/14/22 17:05	SW6010
7439-96-5	Manganese	778		1	0.85	10.0	ug/L	02/11/22 16:25	02/14/22 17:05	SW6010
7440-23-5	Sodium	112000		1	167	1000	ug/L	02/11/22 16:25	02/14/22 17:05	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-22-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	6540	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/15/22 17:05	SW6010
7439-96-5	Manganese	672		1	0.85	10.0	ug/L	02/11/22 16:25	02/15/22 17:05	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	4920	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/14/22 17:13	SW6010
7439-96-5	Manganese	6270		1	0.85	10.0	ug/L	02/11/22 16:25	02/14/22 17:13	SW6010
7440-23-5	Sodium	56300		1	167	1000	ug/L	02/11/22 16:25	02/14/22 17:13	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/08/22
Client Sample ID:	MW-25-R-D	SDG No.:	N1438
Lab Sample ID:	N1438-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	4270	N	1	9.31	50.0	ug/L	02/11/22 16:25	02/14/22 17:30	SW6010
7439-96-5	Manganese	5730		1	0.85	10.0	ug/L	02/11/22 16:25	02/14/22 17:30	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	9930	10000	99	90 - 110	P	02/14/2022	13:52	LB118670
	Manganese	533	520	102	90 - 110	P	02/14/2022	13:52	LB118670
	Sodium	9510	10000	95	90 - 110	P	02/14/2022	13:52	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	115	100	115	80 - 120	P	02/14/2022	13:57	LB118670
	Manganese	23.7	20.0	118	80 - 120	P	02/14/2022	13:57	LB118670
	Sodium	1920	2000	96	80 - 120	P	02/14/2022	13:57	LB118670

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4760	5000	95	90 - 110	P	02/14/2022	14:16	LB118670
	Manganese	2500	2500	100	90 - 110	P	02/14/2022	14:16	LB118670
	Sodium	24300	25000	97	90 - 110	P	02/14/2022	14:16	LB118670

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	111	100	111	80 - 120	P	02/14/2022	14:20	LB118670
	Manganese	24.1	20.0	120	80 - 120	P	02/14/2022	14:20	LB118670
	Sodium	1940	2000	97	80 - 120	P	02/14/2022	14:20	LB118670

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	4870	5000	97	90 - 110	P	02/14/2022	15:30	LB118670
	Manganese	2540	2500	102	90 - 110	P	02/14/2022	15:30	LB118670
	Sodium	24500	25000	98	90 - 110	P	02/14/2022	15:30	LB118670
CCV03	Iron	4820	5000	96	90 - 110	P	02/14/2022	16:30	LB118670
	Manganese	2450	2500	98	90 - 110	P	02/14/2022	16:30	LB118670
	Sodium	24500	25000	98	90 - 110	P	02/14/2022	16:30	LB118670
CCV04	Iron	4770	5000	96	90 - 110	P	02/14/2022	17:17	LB118670
	Manganese	2460	2500	98	90 - 110	P	02/14/2022	17:17	LB118670
	Sodium	24200	25000	97	90 - 110	P	02/14/2022	17:17	LB118670
CCV05	Iron	4850	5000	97	90 - 110	P	02/14/2022	18:08	LB118670
	Manganese	2430	2500	97	90 - 110	P	02/14/2022	18:08	LB118670
	Sodium	23500	25000	94	90 - 110	P	02/14/2022	18:08	LB118670
CCV06	Iron	4660	5000	93	90 - 110	P	02/14/2022	18:55	LB118670
	Manganese	2400	2500	96	90 - 110	P	02/14/2022	18:55	LB118670
	Sodium	23300	25000	93	90 - 110	P	02/14/2022	18:55	LB118670
CCV07	Iron	4550	5000	91	90 - 110	P	02/14/2022	19:42	LB118670
	Manganese	2340	2500	94	90 - 110	P	02/14/2022	19:42	LB118670
	Sodium	23100	25000	93	90 - 110	P	02/14/2022	19:42	LB118670
CCV08	Iron	4610	5000	92	90 - 110	P	02/14/2022	20:30	LB118670
	Manganese	2380	2500	95	90 - 110	P	02/14/2022	20:30	LB118670
	Sodium	22700	25000	91	90 - 110	P	02/14/2022	20:30	LB118670
CCV09	Iron	4510	5000	90	90 - 110	P	02/14/2022	21:14	LB118670
	Manganese	2360	2500	94	90 - 110	P	02/14/2022	21:14	LB118670
	Sodium	21800	25000	87	90 - 110	P	02/14/2022	21:14	LB118670

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10100	10000	101	90 - 110	P	02/15/2022	16:12	LB118685
	Manganese	538	520	104	90 - 110	P	02/15/2022	16:12	LB118685
	Sodium	9680	10000	97	90 - 110	P	02/15/2022	16:12	LB118685

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	107	100	106	80 - 120	P	02/15/2022	16:17	LB118685
	Manganese	23.1	20.0	116	80 - 120	P	02/15/2022	16:17	LB118685
	Sodium	1960	2000	98	80 - 120	P	02/15/2022	16:17	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4880	5000	98	90 - 110	P	02/15/2022	16:53	LB118685
	Manganese	2470	2500	99	90 - 110	P	02/15/2022	16:53	LB118685
	Sodium	24500	25000	98	90 - 110	P	02/15/2022	16:53	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	117	100	117	80 - 120	P	02/15/2022	16:57	LB118685
	Manganese	23.5	20.0	117	80 - 120	P	02/15/2022	16:57	LB118685
	Sodium	1880	2000	94	80 - 120	P	02/15/2022	16:57	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	4960	5000	99	90 - 110	P	02/15/2022	17:45	LB118685
	Manganese	2460	2500	98	90 - 110	P	02/15/2022	17:45	LB118685
	Sodium	24400	25000	98	90 - 110	P	02/15/2022	17:45	LB118685
CCV03	Iron	4690	5000	94	90 - 110	P	02/15/2022	18:46	LB118685
	Manganese	2400	2500	96	90 - 110	P	02/15/2022	18:46	LB118685
	Sodium	23300	25000	93	90 - 110	P	02/15/2022	18:46	LB118685
CCV04	Iron	4590	5000	92	90 - 110	P	02/15/2022	19:33	LB118685
	Manganese	2380	2500	95	90 - 110	P	02/15/2022	19:33	LB118685
	Sodium	22700	25000	91	90 - 110	P	02/15/2022	19:33	LB118685
CCV05	Iron	4730	5000	95	90 - 110	P	02/15/2022	20:21	LB118685
	Manganese	2320	2500	93	90 - 110	P	02/15/2022	20:21	LB118685
	Sodium	24300	25000	97	90 - 110	P	02/15/2022	20:21	LB118685
CCV06	Iron	4460	5000	89	90 - 110	P	02/15/2022	21:23	LB118685
	Manganese	2420	2500	97	90 - 110	P	02/15/2022	21:23	LB118685
	Sodium	22300	25000	89	90 - 110	P	02/15/2022	21:23	LB118685

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10400	10000	104	95 - 105	P	02/16/2022	16:11	LB118707
	Manganese	544	520	105	95 - 105	P	02/16/2022	16:11	LB118707
	Sodium	9910	10000	99	95 - 105	P	02/16/2022	16:11	LB118707

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	93.6	100	94	80 - 120	P	02/16/2022	16:19	LB118707
	Manganese	22.2	20.0	111	80 - 120	P	02/16/2022	16:19	LB118707
	Sodium	1990	2000	99	80 - 120	P	02/16/2022	16:19	LB118707

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4850	5000	97	90 - 110	P	02/16/2022	16:47	LB118707
	Manganese	2460	2500	98	90 - 110	P	02/16/2022	16:47	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	16:47	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	82.1	100	82	80 - 120	P	02/16/2022	16:50	LB118707
	Manganese	22.1	20.0	110	80 - 120	P	02/16/2022	16:50	LB118707
	Sodium	1900	2000	95	80 - 120	P	02/16/2022	16:50	LB118707

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5000	5000	100	90 - 110	P	02/16/2022	17:52	LB118707
	Manganese	2430	2500	97	90 - 110	P	02/16/2022	17:52	LB118707
	Sodium	24800	25000	99	90 - 110	P	02/16/2022	17:52	LB118707
CCV03	Iron	5260	5000	105	90 - 110	P	02/16/2022	18:46	LB118707
	Manganese	2590	2500	104	90 - 110	P	02/16/2022	18:46	LB118707
	Sodium	24500	25000	98	90 - 110	P	02/16/2022	18:46	LB118707
CCV04	Iron	5190	5000	104	90 - 110	P	02/16/2022	19:33	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	19:33	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	19:33	LB118707
CCV05	Iron	5100	5000	102	90 - 110	P	02/16/2022	20:19	LB118707
	Manganese	2470	2500	99	90 - 110	P	02/16/2022	20:19	LB118707
	Sodium	24400	25000	98	90 - 110	P	02/16/2022	20:19	LB118707
CCV06	Iron	5110	5000	102	90 - 110	P	02/16/2022	21:07	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	21:07	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	21:07	LB118707

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10500	10000	105	90 - 110	P	02/18/2022	12:38	LB118744
	Manganese	547	520	105	90 - 110	P	02/18/2022	12:38	LB118744
	Sodium	9940	10000	99	90 - 110	P	02/18/2022	12:38	LB118744

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	109	100	109	80 - 120	P	02/18/2022	12:42	LB118744
	Manganese	23.4	20.0	117	80 - 120	P	02/18/2022	12:42	LB118744
	Sodium	1930	2000	96	80 - 120	P	02/18/2022	12:42	LB118744

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5330	5000	106	90 - 110	P	02/18/2022	13:06	LB118744
	Manganese	2550	2500	102	90 - 110	P	02/18/2022	13:06	LB118744
	Sodium	26300	25000	105	90 - 110	P	02/18/2022	13:06	LB118744

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	112	100	112	80 - 120	P	02/18/2022	13:10	LB118744
	Manganese	22.3	20.0	111	80 - 120	P	02/18/2022	13:10	LB118744
	Sodium	1800	2000	90	80 - 120	P	02/18/2022	13:10	LB118744

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5110	5000	102	90 - 110	P	02/18/2022	14:16	LB118744
	Manganese	2550	2500	102	90 - 110	P	02/18/2022	14:16	LB118744
	Sodium	25700	25000	103	90 - 110	P	02/18/2022	14:16	LB118744
CCV03	Iron	4890	5000	98	90 - 110	P	02/18/2022	15:31	LB118744
	Manganese	2520	2500	101	90 - 110	P	02/18/2022	15:31	LB118744
	Sodium	23600	25000	95	90 - 110	P	02/18/2022	15:31	LB118744
CCV04	Iron	4880	5000	98	90 - 110	P	02/18/2022	16:38	LB118744
	Manganese	2520	2500	101	90 - 110	P	02/18/2022	16:38	LB118744
	Sodium	23900	25000	96	90 - 110	P	02/18/2022	16:38	LB118744
CCV05	Iron	4740	5000	95	90 - 110	P	02/18/2022	18:32	LB118744
	Manganese	2450	2500	98	90 - 110	P	02/18/2022	18:32	LB118744
	Sodium	25300	25000	101	90 - 110	P	02/18/2022	18:32	LB118744
CCV06	Iron	4790	5000	96	90 - 110	P	02/18/2022	19:18	LB118744
	Manganese	2490	2500	100	90 - 110	P	02/18/2022	19:18	LB118744
	Sodium	24600	25000	99	90 - 110	P	02/18/2022	19:18	LB118744

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	121	100	121	40 - 160	P	02/14/2022	14:05	LB118670
	Manganese	23.2	20.0	116	40 - 160	P	02/14/2022	14:05	LB118670
	Sodium	1960	2000	98	40 - 160	P	02/14/2022	14:05	LB118670
CRI01	Iron	106	100	106	40 - 160	P	02/15/2022	16:41	LB118685
	Manganese	23.1	20.0	116	40 - 160	P	02/15/2022	16:41	LB118685
	Sodium	1930	2000	97	40 - 160	P	02/15/2022	16:41	LB118685
CRI01	Iron	90.7	100	91	40 - 160	P	02/16/2022	16:27	LB118707
	Manganese	22.0	20.0	110	40 - 160	P	02/16/2022	16:27	LB118707
	Sodium	1930	2000	96	40 - 160	P	02/16/2022	16:27	LB118707
CRI01	Iron	104	100	104	40 - 160	P	02/18/2022	12:50	LB118744
	Manganese	23.0	20.0	115	40 - 160	P	02/18/2022	12:50	LB118744
	Sodium	1870	2000	93	40 - 160	P	02/18/2022	12:50	LB118744

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/14/2022	14:01	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	14:01	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	14:01	LB118670

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/14/2022	14:24	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	14:24	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	14:24	LB118670
CCB02	Iron	100	+/-100	U	100	P	02/14/2022	15:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	15:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	15:34	LB118670
CCB03	Iron	100	+/-100	U	100	P	02/14/2022	16:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	16:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	16:34	LB118670
CCB04	Iron	100	+/-100	U	100	P	02/14/2022	17:26	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	17:26	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	17:26	LB118670
CCB05	Iron	100	+/-100	U	100	P	02/14/2022	18:12	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	18:12	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	18:12	LB118670
CCB06	Iron	100	+/-100	U	100	P	02/14/2022	18:58	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	18:58	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	18:58	LB118670
CCB07	Iron	100	+/-100	U	100	P	02/14/2022	19:46	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	19:46	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	19:46	LB118670
CCB08	Iron	100	+/-100	U	100	P	02/14/2022	20:34	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	20:34	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	20:34	LB118670
CCB09	Iron	100	+/-100	U	100	P	02/14/2022	21:18	LB118670
	Manganese	20.0	+/-20.0	U	20.0	P	02/14/2022	21:18	LB118670
	Sodium	2000	+/-2000	U	2000	P	02/14/2022	21:18	LB118670

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/15/2022	16:20	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	16:20	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	16:20	LB118685

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/15/2022	17:01	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:01	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:01	LB118685
CCB02	Iron	100	+/-100	U	100	P	02/15/2022	17:48	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:48	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:48	LB118685
CCB03	Iron	100	+/-100	U	100	P	02/15/2022	18:50	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	18:50	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	18:50	LB118685
CCB04	Iron	100	+/-100	U	100	P	02/15/2022	19:37	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	19:37	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	19:37	LB118685
CCB05	Iron	100	+/-100	U	100	P	02/15/2022	20:25	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	20:25	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	20:25	LB118685
CCB06	Iron	100	+/-100	U	100	P	02/15/2022	21:27	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	21:27	LB118685
	Sodium	1820	+/-2000	J	2000	P	02/15/2022	21:27	LB118685

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/16/2022	16:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:23	LB118707

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/16/2022	16:54	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:54	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:54	LB118707
CCB02	Iron	100	+/-100	U	100	P	02/16/2022	17:55	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	17:55	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	17:55	LB118707
CCB03	Iron	100	+/-100	U	100	P	02/16/2022	18:50	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	18:50	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	18:50	LB118707
CCB04	Iron	100	+/-100	U	100	P	02/16/2022	19:36	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	19:36	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	19:36	LB118707
CCB05	Iron	100	+/-100	U	100	P	02/16/2022	20:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	20:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	20:23	LB118707
CCB06	Iron	100	+/-100	U	100	P	02/16/2022	21:11	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	21:11	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	21:11	LB118707

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/18/2022	12:46	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	12:46	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	12:46	LB118744

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/18/2022	13:14	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	13:14	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	13:14	LB118744
CCB02	Iron	100	+/-100	U	100	P	02/18/2022	14:20	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	14:20	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	14:20	LB118744
CCB03	Iron	100	+/-100	U	100	P	02/18/2022	15:35	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	15:35	LB118744
	Sodium	560	+/-2000	J	2000	P	02/18/2022	15:35	LB118744
CCB04	Iron	100	+/-100	U	100	P	02/18/2022	16:41	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	16:41	LB118744
	Sodium	1420	+/-2000	J	2000	P	02/18/2022	16:41	LB118744
CCB05	Iron	100	+/-100	U	100	P	02/18/2022	18:35	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	18:35	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	18:35	LB118744
CCB06	Iron	100	+/-100	U	100	P	02/18/2022	19:21	LB118744
	Manganese	20.0	+/-20.0	U	20.0	P	02/18/2022	19:21	LB118744
	Sodium	2000	+/-2000	U	2000	P	02/18/2022	19:21	LB118744

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Metals
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PREPARATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB142572BL		**WATER**		**Batch Number:**	**PB142572**		**Prep Date:**	**02/11/2022**	
	Iron	50.0	<50.0	U	50.0	P	02/16/2022	17:48	LB118707
	Manganese	10.0	<10.0	U	10.0	P	02/16/2022	17:48	LB118707
	Sodium	1000	<1000	U	1000	P	02/16/2022	17:48	LB118707

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INTERFERENCE CHECK SAMPLE

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	97000	100000	97	85000	120000	02/14/2022	14:09	LB118670
	Manganese	11.0	7.0	157	-13	27	02/14/2022	14:09	LB118670
	Sodium	-110			0	0	02/14/2022	14:09	LB118670
ICSAB01	Iron	94600	99000	96	84000	110000	02/14/2022	14:13	LB118670
	Manganese	496	510	97	430	590	02/14/2022	14:13	LB118670
	Sodium	-120			0	0	02/14/2022	14:13	LB118670
ICSA01	Iron	96800	100000	97	85000	120000	02/15/2022	16:45	LB118685
	Manganese	11.1	7.0	159	-13	27	02/15/2022	16:45	LB118685
	Sodium	-136			0	0	02/15/2022	16:45	LB118685
ICSAB01	Iron	93200	99000	94	84000	110000	02/15/2022	16:49	LB118685
	Manganese	481	510	94	430	590	02/15/2022	16:49	LB118685
	Sodium	-145			0	0	02/15/2022	16:49	LB118685
ICSA01	Iron	95400	100000	95	85000	120000	02/16/2022	16:31	LB118707
	Manganese	14.0	7.0	200	-13	27	02/16/2022	16:31	LB118707
	Sodium	-105			0	0	02/16/2022	16:31	LB118707
ICSAB01	Iron	89900	99000	91	84000	110000	02/16/2022	16:35	LB118707
	Manganese	519	510	102	430	590	02/16/2022	16:35	LB118707
	Sodium	-142			0	0	02/16/2022	16:35	LB118707
ICSA01	Iron	97200	100000	97	85000	120000	02/18/2022	12:58	LB118744
	Manganese	10.4	7.0	148	-13	27	02/18/2022	12:58	LB118744
	Sodium	-191			0	0	02/18/2022	12:58	LB118744
ICSAB01	Iron	97900	99000	99	84000	110000	02/18/2022	13:02	LB118744
	Manganese	492	510	96	430	590	02/18/2022	13:02	LB118744
	Sodium	-222			0	0	02/18/2022	13:02	LB118744

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1438

contract: ENVI27 **lab code:** CHEM **case no.:** N1438 **sas no.:** N1438

matrix: Water **sample id:** N1477-08 **client id:** 20220072-104-21-SITE-WATERMS

Percent Solids for Sample: NA **Spiked ID:** N1477-08MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2650		688		1500	131	N	P
Manganese	ug/L	75 - 125	110		10.7		100	99		P
Sodium	ug/L	75 - 125	5760000	D	7150000	D	1500	-92889		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1438

contract: ENVI27 **lab code:** CHEM **case no.:** N1438 **sas no.:** N1438

matrix: Water **sample id:** N1477-08 **client id:** 20220072-104-21-SITE-WATERMSD

Percent Solids for Sample: NA **Spiked ID:** N1477-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2480		688		1500	119		P
Manganese	ug/L	75 - 125	99.6		10.7		100	89		P
Sodium	ug/L	75 - 125	6220000	D	7150000	D	1500	-62525		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Matrix: Water **Level:** LOW **Client ID:** 20220072-104-21-SITE-WATERA

Sample ID: N1477-08 **Spiked ID:** N1477-08A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	2450		688		1500	118		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Matrix: Water **Sample ID:** N1477-08 **Client ID:** 20220072-104-21-SITE-WATERDUP

Percent Solids for Sample: NA **Duplicate ID** N1477-08DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	688		694		1		P
Manganese	ug/L	20	10.7		11.3		5		P
Sodium	ug/L	20	7150000	D	6880000	D	4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Matrix: Water **Sample ID:** N1477-08MS **Client ID:** 20220072-104-21-SITE-WATERMSD

Percent Solids for Sample: NA **Duplicate ID** N1477-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	2650		2480		7		P
Manganese	ug/L	20	110		99.6		10		P
Sodium	ug/L	20	5760000	D	6220000	D	8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB142572BS							
Iron	ug/L	1500	1430		95	80 - 120	P
Manganese	ug/L	100	101		101	80 - 120	P
Sodium	ug/L	1500	1390		93	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

20220072-104-21-SITE-WATERL

Lab Name: Chemtech Consulting Group **Contract:** ENVI27

Lab Code: CHEM **Lb No.:** lb118744 **Lab Sample ID :** N1477-08L **SDG No.:** N1438

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	688		593		14		P
Manganese	10.7		11.0	J	3		P
Sodium	7150000	D	7010000	D	2		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0021660
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0009350	0.0000000	0.0000000	-0.0037480
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0016160	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1438 **SAS No.:** N1438

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0016400
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1438

Contract: ENVI27 **Lab Code:** CHEM **Method:**

Case No.: N1438 **SAS No.:** N1438

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB142572**						
N1438-01	MW-22-R-D	SAM	WATER	02/11/2022	50.0	25.0	
N1438-02	MW-22-R-D	SAM	WATER	02/11/2022	50.0	25.0	
N1438-03	MW-25-R-D	SAM	WATER	02/11/2022	50.0	25.0	
N1438-04	MW-25-R-D	SAM	WATER	02/11/2022	50.0	25.0	
N1477-08DUP	20220072-104-21-SITE-WATERDUP	DUP	WATER	02/11/2022	50.0	25.0	
N1477-08MS	20220072-104-21-SITE-WATERMS	MS	WATER	02/11/2022	50.0	25.0	
N1477-08MSD	20220072-104-21-SITE-WATERMSD	MSD	WATER	02/11/2022	50.0	25.0	
PB142572BL	PB142572BL	MB	WATER	02/11/2022	50.0	25.0	
PB142572BS	PB142572BS	LCS	WATER	02/11/2022	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1438 **Sas no.:** N1438 **Sdg no.:** N1438

Instrument id number: **Method:** **Run number:** LB118670

Start date: 02/14/2022 **End date:** 02/14/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1328	Fe,Mn,Na
S1	S1	1	1332	Fe,Mn,Na
S2	S2	1	1336	Fe,Mn,Na
S3	S3	1	1340	Fe,Mn,Na
S4	S4	1	1344	Fe,Mn,Na
S5	S5	1	1348	Fe,Mn,Na
ICV01	ICV01	1	1352	Fe,Mn,Na
LLICV01	LLICV01	1	1357	Fe,Mn,Na
ICB01	ICB01	1	1401	Fe,Mn,Na
CRI01	CRI01	1	1405	Fe,Mn,Na
ICSA01	ICSA01	1	1409	Fe,Mn,Na
ICSAB01	ICSAB01	1	1413	Fe,Mn,Na
CCV01	CCV01	1	1416	Fe,Mn,Na
LLCCV01	LLCCV01	1	1420	Fe,Mn,Na
CCB01	CCB01	1	1424	Fe,Mn,Na
CCV02	CCV02	1	1530	Fe,Mn,Na
CCB02	CCB02	1	1534	Fe,Mn,Na
CCV03	CCV03	1	1630	Fe,Mn,Na
CCB03	CCB03	1	1634	Fe,Mn,Na
N1438-01	MW-22-R-D	1	1705	Fe,Mn,Na
N1438-03	MW-25-R-D	1	1713	Fe,Mn,Na
CCV04	CCV04	1	1717	Fe,Mn,Na
CCB04	CCB04	1	1726	Fe,Mn,Na
N1438-04	MW-25-R-D	1	1730	Fe,Mn
CCV05	CCV05	1	1808	Fe,Mn,Na
CCB05	CCB05	1	1812	Fe,Mn,Na
CCV06	CCV06	1	1855	Fe,Mn,Na
CCB06	CCB06	1	1858	Fe,Mn,Na
CCV07	CCV07	1	1942	Fe,Mn,Na
CCB07	CCB07	1	1946	Fe,Mn,Na
CCV08	CCV08	1	2030	Fe,Mn,Na
CCB08	CCB08	1	2034	Fe,Mn,Na
CCV09	CCV09	1	2114	Fe,Mn,Na
CCB09	CCB09	1	2118	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1438 **Sas no.:** N1438 **Sdg no.:** N1438

Instrument id number: **Method:** **Run number:** LB118685

Start date: 02/15/2022 **End date:** 02/15/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1533	Fe,Mn,Na
S1	S1	1	1537	Fe,Mn,Na
S2	S2	1	1541	Fe,Mn,Na
S3	S3	1	1545	Fe,Mn,Na
S4	S4	1	1549	Fe,Mn,Na
S5	S5	1	1552	Fe,Mn,Na
ICV01	ICV01	1	1612	Fe,Mn,Na
LLICV01	LLICV01	1	1617	Fe,Mn,Na
ICB01	ICB01	1	1620	Fe,Mn,Na
CRI01	CRI01	1	1641	Fe,Mn,Na
ICSA01	ICSA01	1	1645	Fe,Mn,Na
ICSAB01	ICSAB01	1	1649	Fe,Mn,Na
CCV01	CCV01	1	1653	Fe,Mn,Na
LLCCV01	LLCCV01	1	1657	Fe,Mn,Na
CCB01	CCB01	1	1701	Fe,Mn,Na
N1438-02	MW-22-R-D	1	1705	Fe,Mn
CCV02	CCV02	1	1745	Fe,Mn,Na
CCB02	CCB02	1	1748	Fe,Mn,Na
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1937	Fe,Mn,Na
CCV05	CCV05	1	2021	Fe,Mn,Na
CCB05	CCB05	1	2025	Fe,Mn,Na
CCV06	CCV06	1	2123	Fe,Mn,Na
CCB06	CCB06	1	2127	Fe,Mn,Na

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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1438 **Sas no.:** N1438 **Sdg no.:** N1438

Instrument id number: **Method:** **Run number:** LB118707

Start date: 02/16/2022 **End date:** 02/16/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1548	Fe,Mn,Na
S1	S1	1	1552	Fe,Mn,Na
S2	S2	1	1556	Fe,Mn,Na
S3	S3	1	1600	Fe,Mn,Na
S4	S4	1	1604	Fe,Mn,Na
S5	S5	1	1607	Fe,Mn,Na
ICV01	ICV01	1	1611	Fe,Mn,Na
LLICV01	LLICV01	1	1619	Fe,Mn,Na
ICB01	ICB01	1	1623	Fe,Mn,Na
CRI01	CRI01	1	1627	Fe,Mn,Na
ICSA01	ICSA01	1	1631	Fe,Mn,Na
ICSAB01	ICSAB01	1	1635	Fe,Mn,Na
ICSA	ICSA	20	1639	Fe,Mn,Na
ICSAB	ICSAB	20	1643	Fe,Mn,Na
CCV01	CCV01	1	1647	Fe,Mn,Na
LLCCV01	LLCCV01	1	1650	Fe,Mn,Na
CCB01	CCB01	1	1654	Fe,Mn,Na
PB142572BS	PB142572BS	1	1726	Fe,Mn,Na
PB142572BL	PB142572BL	1	1748	Fe,Mn,Na
CCV02	CCV02	1	1752	Fe,Mn,Na
CCB02	CCB02	1	1755	Fe,Mn,Na
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1936	Fe,Mn,Na
CCV05	CCV05	1	2019	Fe,Mn,Na
CCB05	CCB05	1	2023	Fe,Mn,Na
CCV06	CCV06	1	2107	Fe,Mn,Na
CCB06	CCB06	1	2111	Fe,Mn,Na

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

metals
- 14 -
ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1438 **Sas no.:** N1438 **Sdg no.:** N1438

Instrument id number: **Method:** **Run number:** LB118744

Start date: 02/18/2022 **End date:** 02/18/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	Fe,Mn,Na
S1	S1	1	1218	Fe,Mn,Na
S2	S2	1	1222	Fe,Mn,Na
S3	S3	1	1226	Fe,Mn,Na
S4	S4	1	1230	Fe,Mn,Na
S5	S5	1	1234	Fe,Mn,Na
ICV01	ICV01	1	1238	Fe,Mn,Na
LLICV01	LLICV01	1	1242	Fe,Mn,Na
ICB01	ICB01	1	1246	Fe,Mn,Na
CRI01	CRI01	1	1250	Fe,Mn,Na
ICSA01	ICSA01	1	1258	Fe,Mn,Na
ICSAB01	ICSAB01	1	1302	Fe,Mn,Na
CCV01	CCV01	1	1306	Fe,Mn,Na
LLCCV01	LLCCV01	1	1310	Fe,Mn,Na
CCB01	CCB01	1	1314	Fe,Mn,Na
CCV02	CCV02	1	1416	Fe,Mn,Na
CCB02	CCB02	1	1420	Fe,Mn,Na
N1477-08DUP	20220072-104-21-SITE-WATER	1	1445	Fe,Mn
N1477-08L	20220072-104-21-SITE-WATER	5	1450	Fe,Mn
N1477-08DUP	20220072-104-21-SITE-WATER	10	1459	Na
N1477-08L	20220072-104-21-SITE-WATER	50	1503	Na
CCV03	CCV03	1	1531	Fe,Mn,Na
CCB03	CCB03	1	1535	Fe,Mn,Na
N1477-08MS	20220072-104-21-SITE-WATER	1	1539	Fe,Mn
N1477-08MSD	20220072-104-21-SITE-WATER	1	1545	Fe,Mn
N1477-08A	20220072-104-21-SITE-WATER	1	1549	Fe
N1477-08MS	20220072-104-21-SITE-WATER	10	1558	Na
N1477-08MSD	20220072-104-21-SITE-WATER	10	1602	Na
CCV04	CCV04	1	1638	Fe,Mn,Na
CCB04	CCB04	1	1641	Fe,Mn,Na
CCV05	CCV05	1	1832	Fe,Mn,Na
CCB05	CCB05	1	1835	Fe,Mn,Na
CCV06	CCV06	1	1918	Fe,Mn,Na
CCB06	CCB06	1	1921	Fe,Mn,Na

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: N1438-N1439
COC Number: 2025783

CLIENT INFORMATION

Report to be sent to:
COMPANY: Environmental LTD
ADDRESS: 5 Old Dock Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Rose
PHONE: (631)924-3001 FAX:

PROJECT INFORMATION

PROJECT NAME: NYSDEC - Crown Dyckman
PROJECT #: LOCATION: Glen Cove
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: Environmental LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT _____
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____

ANALYSIS

1 VOC's 8260
2 Metals
3 Total Mn
4 D. Solved
5 FE, Mn 6010
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW # 22(R) D	G.W		X	2/16/22	09:20	7	2	2				3				
2.	MW # 25(R) D	G.W		X	2/16/22	09:30	6	2	2				2				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/16/22 11:02	1. 1102 2-8-22
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	2.8.22 1740	3. SB

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.2
Comments: Metals To Be lab Filtered
Vials In CSM) Frig @1743.

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Monday, March 14, 2022 9:46 AM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat'
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.
Attachments: template01_sm_fb_transparent_de75ee56-3edb-425c-9bf8-c5915b5f3aee1111111.png; template01 _sm_linkedin_transparent_f8a963bb-7390-4940-9516-8d79f706c1f11111111.png; emaillogo_2b71093e-2153-4477-9927-29ea5e0e9a92.png

Understood.

From: Samantha Beazley <Samantha@chemtech.net>
Sent: Thursday, March 10, 2022 1:02 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Good afternoon,

Going through this list of requests please confirm the below from our QC department in order for the lab to report the VOC analytes listed.

N1429, N1438 : Blank Spike Recovery 130% for Acetone is outside the QC limit 60-125%. All other associated QCs are within the Limits.

N1541 VOC : Blank Spike Duplicate Recovery 139% for Bromomethane is outside the QC limit 55-134%. Also associated CCV of sample N1541-05DL dilution has Acetone %D (25.7%) is outside the QC limit (20%). All other associated QCs are within the Limits.

Respectfully,

Samantha Beazley
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3148
samantha@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your Feedback

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Wednesday, March 9, 2022 3:53 PM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: FW: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Sam –

Please review the email below received by the Crown Dykman engineer regarding analytical inconsistences. I'm hoping these can be addressed ASAP.

Michael Rose, PE

Senior Engineer

EnviroTrac Ltd.
phone: 631.924.3001 | mobile: 631.433.8883 | email: miker@envirotrac.com
5 Old Dock Road Yaphank, NY 11980 | https://envirotrac.com

From: Farris, Kathryn <Kathryn.Farris@arcadis.com>
Sent: Wednesday, March 09, 2022 1:58 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: Minehardt, Todd A. <Todd.Minehardt@arcadis.com>; Hiss, David <David.Hiss@arcadis.com>
Subject: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Mike,

As per call – Please see below for the inconsistencies with the lab data:

- MW-10D-20220209 (Lab ID - N1467-13) should be MW-1DD-20220209
  - Double check lab IDs I think MW-04R or MW-05R may not have been appropriately labeled as well.
  - PFAS reports would also need to be reissued with correct names.
- Groundwater VOC analyte list is incomplete – it appears that lab analyzed for the effluent list, and compared values to wastewater limits.
  - I have included what VOCs we have previously reported at the bottom of this email.
- 2 of 4 PFAS reports do not include a full list of PFAS compounds (we had specified they include the 21 PFAS list from DEC Sampling from 2019 document 1*,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs*
  - Data packages that include MW-01, 015, 01DD, 05R, 07S, 07D, 08, 23d, 23s, 30d and 30s are incomplete.
- 6/11 submitted reports do not include NYSDEC EquIS packages – 01 45 29.13-3 specifies the requirements for EDDs.

Order_ID	Status	No. of Samples	Received On	Collected On	NYSDEC EDDs
N1429	Completed	8	2/7/2022	2/7/2022	N
N1430	Completed	4	2/7/2022	2/7/2022	Y
N1438	Completed	4	2/8/2022	2/8/2022	N
N1439	Completed	2	2/8/2022	2/8/2022	Y
N1467	Completed	8	2/8/2022	2/8/2022	N
N1468	Completed	4	2/8/2022	2/8/2022	Y
N1468	Completed	4	2/9/2022	2/9/2022	N
N1497	Completed	11	2/10/2022	2/10/2022	N
N1498	Completed	3	2/10/2022	2/10/2022	N

N1541	Completed	6	2/14/2022	2/14/2022	Y
N1542	Completed	3	2/14/2022	2/14/2022	Y

This is what I found while looking through the Groundwater Sampling results. It is not an exhaustive list of edits.

Thanks,
Kathryn

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-Pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane

Dichlorodifluoromethane
Ethyl Benzene
Isopropylbenzene
Methyl Acetate
Methyl tert-butyl Ether
Methylcyclohexane
Methylene Chloride
Styrene
Tert-Butyl Methyl Ether
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylene (Total)
Total TICs

Kathryn Farris (she/her)
Project Environmental Specialist
Arcadis New York Inc.
855 Route 146 Suite 210 | Clifton Park, NY | 12065 | USA
T +1 518 250 7389
M +1 610 739 7860
www.arcadis.com



Be green, leave it on the screen.

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : N1438 ENVI27
Client Name : Envirotrac Environmental S
Client Contact : Mike Rose
Invoice Name : Envirotrac Environmental S
Invoice Contact : Mike Rose

Order Date : 2/8/2022 11:42:00 AM
Project Name : NYSDEC Crown Dykman -
Receive DateTime : 2/8/2022 5:40:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
N1438-01	MW-22-R-D	Water	02/08/2022	09:20					
					VOCMS Group1		8260-Low		5 Bus. Days
N1438-03	MW-25-R-D	Water	02/08/2022	09:20					
					VOCMS Group1		8260-Low		5 Bus. Days

Relinguished By : [signature]
Date / Time : 2/9/22 9:41

Received By : [signature]
Date / Time : 02/09/22 9:41

Storage Area : VOA Refridgerator Room

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB DATA

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1439

ATTENTION : Mike Rose

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : N1439

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1439-01	MW-22-R-D
N1439-02	MW-25-R-D

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED Date: 2/23/2022

By Nimisha Pandya QA/QC Supervisor at 11:13 am, Feb 23, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-72581-1
Client Project/Site: N1439

For:
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

Attn: Ms. Samantha Beazley

Elizabeth M. Zanar

Authorized for release by:
2/22/2022 12:32:40 PM

Elizabeth Zanar, Project Manager
(717)556-7290
Elizabeth.Zanar@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

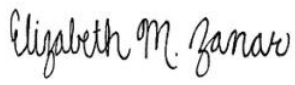
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



Elizabeth Zanar
Project Manager
2/22/2022 12:32:40 PM

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Job ID: 410-72581-1
Project/Site: N1439

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Job ID: 410-72581-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-72581-1

Receipt
The samples were received on 2/10/2022 11:21 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C

PFAS
Method PFC_IDA: Reporting limits were raised for the following samples: MW-22-R-D (410-72581-1) and MW-25-R-D (410-72581-2) due to interference from the sample matrix.

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

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Client Sample ID: MW-22-R-D — Lab Sample ID: 410-72581-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	8.2	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	29	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	9.3	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	7.1	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	79	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	7.0	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-25-R-D — Lab Sample ID: 410-72581-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	13	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	8.8	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	35	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	7.6	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	7.2	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	97	cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	8.0	J cn	20	5.0	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-22-R-D

Lab Sample ID: 410-72581-1

Date Collected: 02/08/22 09:20

Matrix: Water

Date Received: 02/10/22 11:21

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**12**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluoroheptanoic acid	**8.2**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorooctanoic acid	**29**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorononanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorodecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorotridecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorotetradecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorobutanesulfonic acid	**9.3**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorohexanesulfonic acid	**7.1**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorooctanesulfonic acid	**79**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
NEtFOSAA	ND	cn	30	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
NMeFOSAA	ND	cn	20	6.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluoroheptanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorodecanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorooctanesulfonamide	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorobutanoic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluoroundecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluorododecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1
6:2 Fluorotelomer sulfonic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/21/22 23:52	1
8:2 Fluorotelomer sulfonic acid	ND	cn	30	10	ng/L		02/19/22 12:48	02/21/22 23:52	1
Perfluoropentanoic acid	**7.0**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/21/22 23:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*122*	*cn*	*33 - 200*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
M2-6:2 FTS	*142*	*cn*	*17 - 200*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C5 PFHxA	*103*	*cn*	*24 - 179*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C4 PFHpA	*105*	*cn*	*31 - 182*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C8 PFOA	*108*	*cn*	*48 - 162*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C9 PFNA	*120*	*cn*	*51 - 167*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C6 PFDA	*112*	*cn*	*49 - 163*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C7 PFUnA	*109*	*cn*	*34 - 174*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C2-PFDoDA	*104*	*cn*	*17 - 176*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C2 PFTeDA	*93*	*cn*	*10 - 179*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C3 PFBS	*124*	*cn*	*16 - 200*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C3 PFHxS	*111*	*cn*	*28 - 188*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C8 PFOS	*114*	*cn*	*51 - 159*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
d3-NMeFOSAA	*103*	*cn*	*31 - 174*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
d5-NEtFOSAA	*104*	*cn*	*29 - 195*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C8 FOSA	*112*	*cn*	*10 - 168*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C4 PFBA	*107*	*cn*	*42 - 165*	*02/19/22 12:48*	*02/21/22 23:52*	*1*
13C5 PFPeA	*119*	*cn*	*38 - 187*	*02/19/22 12:48*	*02/21/22 23:52*	*1*

Client Sample ID: MW-25-R-D

Lab Sample ID: 410-72581-2

Date Collected: 02/08/22 09:20

Matrix: Water

Date Received: 02/10/22 11:21

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**13**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluoroheptanoic acid	**8.8**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorooctanoic acid	**35**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Client Sample ID: MW-25-R-D
Date Collected: 02/08/22 09:20
Date Received: 02/10/22 11:21

Lab Sample ID: 410-72581-2
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorodecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorotridecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorotetradecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorobutanesulfonic acid	**7.6**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorohexanesulfonic acid	**7.2**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorooctanesulfonic acid	**97**	**cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
NEtFOSAA	ND	cn	30	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
NMeFOSAA	ND	cn	20	6.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluoroheptanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorodecanesulfonic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorooctanesulfonamide	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorobutanoic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluoroundecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluorododecanoic acid	ND	cn	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1
6:2 Fluorotelomer sulfonic acid	ND	cn	50	20	ng/L		02/19/22 12:48	02/22/22 00:04	1
8:2 Fluorotelomer sulfonic acid	ND	cn	30	10	ng/L		02/19/22 12:48	02/22/22 00:04	1
Perfluoropentanoic acid	**8.0**	**J cn**	20	5.0	ng/L		02/19/22 12:48	02/22/22 00:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*118*	*cn*	*33 - 200*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
M2-6:2 FTS	*127*	*cn*	*17 - 200*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C5 PFHxA	*103*	*cn*	*24 - 179*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C4 PFHpA	*107*	*cn*	*31 - 182*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C8 PFOA	*104*	*cn*	*48 - 162*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C9 PFNA	*106*	*cn*	*51 - 167*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C6 PFDA	*106*	*cn*	*49 - 163*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C7 PFUnA	*101*	*cn*	*34 - 174*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C2-PFDoDA	*97*	*cn*	*17 - 176*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C2 PFTeDA	*85*	*cn*	*10 - 179*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C3 PFBS	*117*	*cn*	*16 - 200*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C3 PFHxS	*113*	*cn*	*28 - 188*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C8 PFOS	*106*	*cn*	*51 - 159*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
d3-NMeFOSAA	*91*	*cn*	*31 - 174*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
d5-NEtFOSAA	*103*	*cn*	*29 - 195*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C8 FOSA	*104*	*cn*	*10 - 168*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C4 PFBA	*103*	*cn*	*42 - 165*	*02/19/22 12:48*	*02/22/22 00:04*	*1*
13C5 PFPeA	*111*	*cn*	*38 - 187*	*02/19/22 12:48*	*02/22/22 00:04*	*1*

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M282FTS	M262FTS	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(33-200)	(17-200)	(24-179)	(31-182)	(48-162)	(51-167)	(49-163)	(34-174)
410-72581-1	MW-22-R-D	122 cn	142 cn	103 cn	105 cn	108 cn	120 cn	112 cn	109 cn
410-72581-2	MW-25-R-D	118 cn	127 cn	103 cn	107 cn	104 cn	106 cn	106 cn	101 cn
LCS 410-225633/2-A	Lab Control Sample	123	132	108	108	116	120	114	112
LCSD 410-225633/3-A	Lab Control Sample Dup	113	130	109	112	108	112	110	106
MB 410-225633/1-A	Method Blank	104	125	102	106	109	111	107	112

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoDA	PFTDA	C3PFBS	C3PFHS	C8PFOS	d3NMFOS	d5NEFOS	PFOSA
Lab Sample ID	Client Sample ID	(17-176)	(10-179)	(16-200)	(28-188)	(51-159)	(31-174)	(29-195)	(10-168)
410-72581-1	MW-22-R-D	104 cn	93 cn	124 cn	111 cn	114 cn	103 cn	104 cn	112 cn
410-72581-2	MW-25-R-D	97 cn	85 cn	117 cn	113 cn	106 cn	91 cn	103 cn	104 cn
LCS 410-225633/2-A	Lab Control Sample	107	92	122	114	115	103	107	108
LCSD 410-225633/3-A	Lab Control Sample Dup	98	89	117	114	110	97	100	98
MB 410-225633/1-A	Method Blank	97	80	108	109	109	92	100	101

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PFBA	PFPeA
Lab Sample ID	Client Sample ID	(42-165)	(38-187)
410-72581-1	MW-22-R-D	107 cn	119 cn
410-72581-2	MW-25-R-D	103 cn	111 cn
LCS 410-225633/2-A	Lab Control Sample	114	116
LCSD 410-225633/3-A	Lab Control Sample Dup	106	108
MB 410-225633/1-A	Method Blank	104	106

Surrogate Legend

M282FTS = M2-8:2 FTS
M262FTS = M2-6:2 FTS
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-225633/1-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
NEtFOSAA	ND		3.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
NMeFOSAA	ND		2.0	0.60	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		02/19/22 12:48	02/21/22 22:13	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		02/19/22 12:48	02/21/22 22:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*104*		*33 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
M2-6:2 FTS	*125*		*17 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C5 PFHxA	*102*		*24 - 179*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C4 PFHpA	*106*		*31 - 182*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 PFOA	*109*		*48 - 162*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C9 PFNA	*111*		*51 - 167*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C6 PFDA	*107*		*49 - 163*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C7 PFUnA	*112*		*34 - 174*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C2-PFDoDA	*97*		*17 - 176*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C2 PFTeDA	*80*		*10 - 179*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C3 PFBS	*108*		*16 - 200*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C3 PFHxS	*109*		*28 - 188*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 PFOS	*109*		*51 - 159*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
d3-NMeFOSAA	*92*		*31 - 174*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
d5-NEtFOSAA	*100*		*29 - 195*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C8 FOSA	*101*		*10 - 168*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C4 PFBA	*104*		*42 - 165*	*02/19/22 12:48*	*02/21/22 22:13*	*1*
13C5 PFPeA	*106*		*38 - 187*	*02/19/22 12:48*	*02/21/22 22:13*	*1*

Lab Sample ID: LCS 410-225633/2-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			25.6	27.1		ng/L		106	58 - 139		
Perfluoroheptanoic acid			25.6	28.3		ng/L		111	59 - 145		

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-225633/2-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorooctanoic acid			25.6	25.0		ng/L		98	51 - 145		
Perfluorononanoic acid			25.6	24.8		ng/L		97	61 - 139		
Perfluorodecanoic acid			25.6	27.4		ng/L		107	56 - 138		
Perfluorotridecanoic acid			25.6	26.0		ng/L		102	58 - 146		
Perfluorotetradecanoic acid			25.6	27.9		ng/L		109	62 - 139		
Perfluorobutanesulfonic acid			22.7	24.3		ng/L		107	53 - 138		
Perfluorohexanesulfonic acid			23.3	25.4		ng/L		109	58 - 134		
Perfluorooctanesulfonic acid			23.7	25.2		ng/L		106	45 - 150		
NEtFOSAA			25.6	25.1		ng/L		98	55 - 134		
NMeFOSAA			25.6	25.1		ng/L		98	59 - 140		
Perfluoroheptanesulfonic acid			24.4	25.1		ng/L		103	56 - 140		
Perfluorodecanesulfonic acid			24.7	23.2		ng/L		94	55 - 137		
Perfluorooctanesulfonamide			25.6	31.7		ng/L		124	43 - 167		
Perfluorobutanoic acid			25.6	25.1		ng/L		98	59 - 136		
Perfluoroundecanoic acid			25.6	27.3		ng/L		107	60 - 141		
Perfluorododecanoic acid			25.6	26.5		ng/L		104	59 - 143		
6:2 Fluorotelomer sulfonic acid			24.3	22.8		ng/L		94	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	24.2		ng/L		99	55 - 138		
Perfluoropentanoic acid			25.6	23.9		ng/L		93	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*123*		*33 - 200*
M2-6:2 FTS	*132*		*17 - 200*
13C5 PFHxA	*108*		*24 - 179*
13C4 PFHpA	*108*		*31 - 182*
13C8 PFOA	*116*		*48 - 162*
13C9 PFNA	*120*		*51 - 167*
13C6 PFDA	*114*		*49 - 163*
13C7 PFUnA	*112*		*34 - 174*
13C2-PFDoDA	*107*		*17 - 176*
13C2 PFTeDA	*92*		*10 - 179*
13C3 PFBS	*122*		*16 - 200*
13C3 PFHxS	*114*		*28 - 188*
13C8 PFOS	*115*		*51 - 159*
d3-NMeFOSAA	*103*		*31 - 174*
d5-NEtFOSAA	*107*		*29 - 195*
13C8 FOSA	*108*		*10 - 168*
13C4 PFBA	*114*		*42 - 165*
13C5 PFPeA	*116*		*38 - 187*

Lab Sample ID: LCSD 410-225633/3-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			25.6	25.8		ng/L		101	58 - 139	5	30
Perfluoroheptanoic acid			25.6	26.7		ng/L		104	59 - 145	6	30
Perfluorooctanoic acid			25.6	26.3		ng/L		103	51 - 145	5	30
Perfluorononanoic acid			25.6	26.0		ng/L		101	61 - 139	5	30

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-225633/3-A
Matrix: Water
Analysis Batch: 225804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 225633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid			25.6	25.9		ng/L		101	56 - 138	6	30
Perfluorotridecanoic acid			25.6	27.1		ng/L		106	58 - 146	4	30
Perfluorotetradecanoic acid			25.6	27.0		ng/L		106	62 - 139	3	30
Perfluorobutanesulfonic acid			22.7	24.0		ng/L		106	53 - 138	1	30
Perfluorohexanesulfonic acid			23.3	24.0		ng/L		103	58 - 134	5	30
Perfluorooctanesulfonic acid			23.7	25.3		ng/L		107	45 - 150	0	30
NEtFOSAA			25.6	25.8		ng/L		101	55 - 134	3	30
NMeFOSAA			25.6	25.2		ng/L		98	59 - 140	0	30
Perfluoroheptanesulfonic acid			24.4	25.2		ng/L		103	56 - 140	0	30
Perfluorodecanesulfonic acid			24.7	23.1		ng/L		94	55 - 137	0	30
Perfluorooctanesulfonamide			25.6	31.3		ng/L		122	43 - 167	1	30
Perfluorobutanoic acid			25.6	26.1		ng/L		102	59 - 136	4	30
Perfluoroundecanoic acid			25.6	27.2		ng/L		106	60 - 141	1	30
Perfluorododecanoic acid			25.6	26.9		ng/L		105	59 - 143	2	30
6:2 Fluorotelomer sulfonic acid			24.3	24.2		ng/L		100	28 - 173	6	30
8:2 Fluorotelomer sulfonic acid			24.5	24.8		ng/L		101	55 - 138	2	30
Perfluoropentanoic acid			25.6	24.8		ng/L		97	57 - 141	4	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-8:2 FTS	*113*		*33 - 200*
M2-6:2 FTS	*130*		*17 - 200*
13C5 PFHxA	*109*		*24 - 179*
13C4 PFHpA	*112*		*31 - 182*
13C8 PFOA	*108*		*48 - 162*
13C9 PFNA	*112*		*51 - 167*
13C6 PFDA	*110*		*49 - 163*
13C7 PFUnA	*106*		*34 - 174*
13C2-PFDoDA	*98*		*17 - 176*
13C2 PFTeDA	*89*		*10 - 179*
13C3 PFBS	*117*		*16 - 200*
13C3 PFHxS	*114*		*28 - 188*
13C8 PFOS	*110*		*51 - 159*
d3-NMeFOSAA	*97*		*31 - 174*
d5-NEtFOSAA	*100*		*29 - 195*
13C8 FOSA	*98*		*10 - 168*
13C4 PFBA	*106*		*42 - 165*
13C5 PFPeA	*108*		*38 - 187*

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

LCMS

Prep Batch: 225633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72581-1	MW-22-R-D	Total/NA	Water	EPA 537 (mod)	
410-72581-2	MW-25-R-D	Total/NA	Water	EPA 537 (mod)	
MB 410-225633/1-A	Method Blank	Total/NA	Water	EPA 537 (mod)	
LCS 410-225633/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (mod)	
LCSD 410-225633/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (mod)	

Analysis Batch: 225804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72581-1	MW-22-R-D	Total/NA	Water	EPA 537 (Mod)	225633
410-72581-2	MW-25-R-D	Total/NA	Water	EPA 537 (Mod)	225633
MB 410-225633/1-A	Method Blank	Total/NA	Water	EPA 537 (Mod)	225633
LCS 410-225633/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (Mod)	225633
LCSD 410-225633/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (Mod)	225633

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Client Sample ID: MW-22-R-D

Lab Sample ID: 410-72581-1

Date Collected: 02/08/22 09:20

Matrix: Water

Date Received: 02/10/22 11:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/21/22 23:52	UCD3	ELLE

Client Sample ID: MW-25-R-D

Lab Sample ID: 410-72581-2

Date Collected: 02/08/22 09:20

Matrix: Water

Date Received: 02/10/22 11:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			225633	02/19/22 12:48	GU2F	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	225804	02/22/22 00:04	UCD3	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-72581-1
Project/Site: N1439

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537 (Mod)	EPA 537 (mod)	Water	6:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	8:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	NEtFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	NMeFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorododecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorononanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonamide
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoropentanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotetradecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotridecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroundecanoic acid

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Method	Method Description	Protocol	Laboratory
EPA 537 (Mod)	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537 (mod)	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: N1439

Job ID: 410-72581-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-72581-1	MW-22-R-D	Water	02/08/22 09:20	02/10/22 11:21
410-72581-2	MW-25-R-D	Water	02/08/22 09:20	02/10/22 11:21

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: N1438 - N1439

COC Number: 2025783

CLIENT INFORMATION

Report to be sent to:

COMPANY: Environmental LTD
ADDRESS: 5 Old Mill Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Rosa
PHONE: (631) 924-3701 FAX:

PROJECT INFORMATION

PROJECT NAME: NYSDEC - Crown Diamond
PROJECT #: LOCATION: Glen Cove
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: Environmental LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT _____
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____

ANALYSIS

1 SVOCs 8260
2 Metals
3 Total Alk
4 D. Solved
5 FP, MN 6010
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW # 27(R) D	G.W		X	2/16/22	09:20	7	2	2				3				
2.	MW # 25(R) D	G.W		X	2/16/22	09:30	6	2	2				2				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	2/16/22 11:03	1. 2-8-22 1102
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	2.8.22 1740	3. SB

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.2

Comments: Metals to be lab filtered

Vials in CSM Frig @ 1743.

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

410-72581 Chain of Custody

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY EUROFINS Lancaster Laboratories	ORDER ID : N1439		BILL TO: CHEMTECH PO# : N1439
ADDRESS : 2425 New Holland Pike	PROJECT ID:NYSDEC Crown Dykman – Glen Cove		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER Samantha		CITY: Mountainsid State : NJ ZIP : 07092
E-mail :	E-mail : Samantha@chemtech.net		ATTENTION :Samant
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN **Report :** NYS ASP B **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-22-R-D	Water	PFAS	NONE	537	02/08/2022	09:20:00	2	5
02	MW-25-R-D	Water	PFAS	NONE	537	02/08/2022	09:20:00	3	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER:	DATETIME:	RECEIVED BY:	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler
1.	2/9/22	1.		Ice or Cooler?
RELINQUIESHED BY:	DATETIME:	RECEIVED BY:		
2.		2.		
RELINQUIESHED BY:	DATETIME:	RECEIVED BY:	☐ OVERNIGHT	Shipment Complete:
3.	2/10/22 12:1	3.	Page 1 of 1 ☐ OVERNIGHT	☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-72581-1

Login Number: 72581

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Renner, Melissa

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.

CHEMTECH

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1467

ATTENTION : Mike Rose

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-30D	N1467-01	8260-Low				6010D	
MW-30D	N1467-02	8260-Low				6010D	
MW-30S	N1467-03	8260-Low				6010D	
MW-30S	N1467-04	8260-Low				6010D	
MW-8	N1467-05	8260-Low				6010D	
MW-8	N1467-06	8260-Low				6010D	
MW-1D	N1467-07	8260-Low				6010D	
MW-1D	N1467-08	8260-Low				6010D	
MW-23S	N1467-09	8260-Low				6010D	
MW-23S	N1467-10	8260-Low				6010D	
MW-23D	N1467-11	8260-Low				6010D	
MW-23D	N1467-12	8260-Low				6010D	
MW-1DD	N1467-13	8260-Low				6010D	
MW-1DD	N1467-14	8260-Low				6010D	
MW-1	N1467-15	8260-Low				6010D	
MW-1	N1467-16	8260-Low				6010D	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N1467-01	Water	02/08/22	02/09/22		02/11/22
N1467-03	Water	02/08/22	02/09/22		02/11/22
N1467-05	Water	02/08/22	02/09/22		02/11/22
N1467-07	Water	02/08/22	02/09/22		02/11/22
N1467-09	Water	02/09/22	02/09/22		02/11/22
N1467-11	Water	02/09/22	02/09/22		02/11/22
N1467-13	Water	02/09/22	02/09/22		02/11/22
N1467-15	Water	02/09/22	02/09/22		02/11/22

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1467-01	Water	8260-Low	5030		
N1467-03	Water	8260-Low	5030		
N1467-05	Water	8260-Low	5030		
N1467-07	Water	8260-Low	5030		
N1467-09	Water	8260-Low	5030		
N1467-11	Water	8260-Low	5030		
N1467-13	Water	8260-Low	5030		
N1467-15	Water	8260-Low	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1467-02	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-04	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-06	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-08	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-10	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/16/22
N1467-12	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-14	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22
N1467-16	Water	Dissolved ICP-Group2	02/09/22	02/15/22	02/15/22

*** Details For Test :** Dissolved ICP-Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1467-01	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-03	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-05	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-07	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-09	Water	Metals Group4	02/09/22	02/15/22	02/16/22
N1467-11	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-13	Water	Metals Group4	02/09/22	02/15/22	02/15/22
N1467-15	Water	Metals Group4	02/09/22	02/15/22	02/15/22

*** Details For Test :** Metals Group4

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : N1467

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1467-01	MW-30D
N1467-02	MW-30D
N1467-03	MW-30S
N1467-04	MW-30S
N1467-05	MW-8
N1467-06	MW-8
N1467-07	MW-1D
N1467-08	MW-1D
N1467-09	MW-23S
N1467-10	MW-23S
N1467-11	MW-23D
N1467-12	MW-23D
N1467-13	MW-1DD
N1467-14	MW-1DD
N1467-15	MW-1
N1467-16	MW-1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

Date: 3/18/2022

By Nimisha Pandya QA/QC Supervisor at 12:18 pm, Mar 21, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1467
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
16 Water samples were received on 02/09/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (82X020822W.M) for t-1,3-Dichloropropene, Bromoform these compounds are passing on Linear Regression and Chloroethane this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Samples MW-30D, MW-8, MW-1D, MW-23S, MW-23D and MW-1 were diluted due to high concentrations.

E. Additional Comments:
This data package has been revised due to parameter list changed and to include TICS.
This data package has been revised due client sample ID corrected for Sample#13 in raw data and reported.

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Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:18 pm, Mar 21, 2022

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CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1467
Test Name: Dissolved ICP-Group2,Metals Group4

A. Number of Samples and Date of Receipt:

16 Water samples were received on 02/09/2022.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for Dissolved ICP-Group2,Metals Group4.

C. Analytical Techniques:

The analysis of Dissolved ICP-Group2,Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
These data package has been revised due client sample ID changed for Sample#13,14.
Samples# N1467-01, N1467-03, N1467-05, N1467-07, N1467-09, N1467-11, N1467-13, N1467-15 were analyzed as Total Metals and Samples# N1467-02, N1467-04, N1467-06, N1467-08, N1467-10, N1467-12, N1467-14, N1467-16 were analyzed as Dissolved Metals.
In analytical sequence LB118685, The % recovery was outside of acceptance limit for Iron and Sodium of CCV06 but there is no sample of this project was affected.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 12:18 pm, Mar 21, 2022

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N1467

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: APARNA SONI **Date:** 03/19/2022

2nd Level QA Review Signature: N. N. Pandya **Date:**

APPROVED
By Nimisha Pandya QA/QC Supervisor at 12:18 pm, Mar 21, 2022

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
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LAB CHRONICLE

OrderID:	N1467	**OrderDate:**	2/9/2022 2:05:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1467-01	**MW-30D**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-01DL	**MW-30DDL**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-03	**MW-30S**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-05	**MW-8**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-05DL	**MW-8DL**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-07	**MW-1D**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-07DL	**MW-1DDL**	**Water**			**02/08/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-09	**MW-23S**	**Water**			**02/09/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-09DL	**MW-23SDL**	**Water**			**02/09/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-11	**MW-23D**	**Water**			**02/09/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-11DL	**MW-23DDL**	**Water**			**02/09/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	
N1467-13	**MW-1DD**	**Water**			**02/09/22**			**02/09/22**
			VOCMS Group1	8260-Low			02/11/22	

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LAB CHRONICLE

N1467-15	**MW-1**	**Water**			**02/09/22**		**02/09/22**
			VOCMS Group1	8260-Low		02/11/22	
N1467-15DL	**MW-1DL**	**Water**			**02/09/22**		**02/09/22**
			VOCMS Group1	8260-Low		02/11/22	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-30D**								
N1467-01	MW-30D	Water	Vinyl Chloride		19.60		0.19	1.00	ug/L
N1467-01	MW-30D	Water	1,1-Dichloroethene		1.50		0.26	1.00	ug/L
N1467-01	MW-30D	Water	trans-1,2-Dichloroethene		4.50		0.19	1.00	ug/L
N1467-01	MW-30D	Water	cis-1,2-Dichloroethene		860.00	E	0.22	1.00	ug/L
N1467-01	MW-30D	Water	Trichloroethene		240.00	E	0.17	1.00	ug/L
N1467-01	MW-30D	Water	Tetrachloroethene		160.00	E	0.17	1.00	ug/L
			Total Voc :		1285.6				
N1467-01	MW-30D	Water	Tetrahydrofuran	*	8.50	J	1.00	5.00	ug/L
N1467-01	MW-30D	Water	1,2,4-Trimethylbenzene	*	0.29	J	0.20	1.00	ug/L
			Total Tics :		8.79				
			Total Concentration:		1294.39				
Client ID:	**MW-30DDL**								
N1467-01DL	MW-30DDL	Water	Vinyl Chloride		20.80	D	3.90	20.0	ug/L
N1467-01DL	MW-30DDL	Water	trans-1,2-Dichloroethene		9.40	JD	3.80	20.0	ug/L
N1467-01DL	MW-30DDL	Water	cis-1,2-Dichloroethene		940.00	D	4.40	20.0	ug/L
N1467-01DL	MW-30DDL	Water	Trichloroethene		250.00	D	3.50	20.0	ug/L
N1467-01DL	MW-30DDL	Water	Tetrachloroethene		180.00	D	3.30	20.0	ug/L
N1467-01DL	MW-30DDL	Water	Total Xylenes		34.90	JD	10.2	60.0	ug/L
			Total Voc :		1435.1				
			Total Concentration:		1435.1				
Client ID:	**MW-30S**								
N1467-03	MW-30S	Water	Vinyl Chloride		1.70		0.19	1.00	ug/L
N1467-03	MW-30S	Water	trans-1,2-Dichloroethene		0.40	J	0.19	1.00	ug/L
N1467-03	MW-30S	Water	cis-1,2-Dichloroethene		79.70		0.22	1.00	ug/L
N1467-03	MW-30S	Water	Trichloroethene		32.30		0.17	1.00	ug/L
N1467-03	MW-30S	Water	Tetrachloroethene		11.70		0.17	1.00	ug/L
			Total Voc :		125.8				
N1467-03	MW-30S	Water	Tetrahydrofuran	*	11.20	J	1.00	5.00	ug/L
			Total Tics :		11.2				
			Total Concentration:		137				
Client ID:	**MW-8**								
N1467-05	MW-8	Water	Vinyl Chloride		13.00		0.19	1.00	ug/L
N1467-05	MW-8	Water	Acetone		7.30		1.60	5.00	ug/L
N1467-05	MW-8	Water	Methyl tert-butyl Ether		3.20		0.22	1.00	ug/L
N1467-05	MW-8	Water	trans-1,2-Dichloroethene		1.60		0.19	1.00	ug/L
N1467-05	MW-8	Water	Cyclohexane		2.20	J	1.30	5.00	ug/L
N1467-05	MW-8	Water	cis-1,2-Dichloroethene		60.80		0.22	1.00	ug/L
N1467-05	MW-8	Water	Methylcyclohexane		10.30		0.14	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
N1467-05	MW-8	Water	Benzene		0.75	J	0.18	1.00	ug/L
N1467-05	MW-8	Water	Trichloroethene		0.72	J	0.17	1.00	ug/L
N1467-05	MW-8	Water	Toluene		39.00		0.22	1.00	ug/L
N1467-05	MW-8	Water	Tetrachloroethene		0.86	J	0.17	1.00	ug/L
N1467-05	MW-8	Water	Ethyl Benzene		94.80		0.18	1.00	ug/L
N1467-05	MW-8	Water	Total Xylenes		850.00	E	0.51	3.00	ug/L
N1467-05	MW-8	Water	Isopropylbenzene		57.30		0.23	1.00	ug/L
			Total Voc :		1141.83				
N1467-05	MW-8	Water	p-Cymene	*	49.70	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1,2,3-trimethyl-	*	440.00	J	0	0	ug/L
N1467-05	MW-8	Water	o-Cymene	*	100.00	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-ethyl-2-methyl-	*	500.00	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-ethyl-4-methyl-	*	250.00	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-propenyl-	*	88.60	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	45.60	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-methyl-2-propyl-	*	42.30	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 1-methyl-4-propyl-	*	46.30	J	0	0	ug/L
N1467-05	MW-8	Water	Benzene, 2-ethyl-1,4-dimethyl-	*	50.30	J	0	0	ug/L
N1467-05	MW-8	Water	m/p-Xylenes	*	510.00	J	0.32	2.00	ug/L
N1467-05	MW-8	Water	o-Xylene	*	340.00	J	0.19	1.00	ug/L
N1467-05	MW-8	Water	n-propylbenzene	*	120.00	J	0.24	1.00	ug/L
N1467-05	MW-8	Water	1,3,5-Trimethylbenzene	*	540.00	J	0.25	1.00	ug/L
N1467-05	MW-8	Water	tert-Butylbenzene	*	11.40	J	0.26	1.00	ug/L
N1467-05	MW-8	Water	1,2,4-Trimethylbenzene	*	1,300.00	J	0.20	1.00	ug/L
N1467-05	MW-8	Water	sec-Butylbenzene	*	34.50	J	0.23	1.00	ug/L
N1467-05	MW-8	Water	p-Isopropyltoluene	*	49.70	J	0.21	1.00	ug/L
N1467-05	MW-8	Water	Naphthalene	*	81.20	J	0.26	1.00	ug/L
			Total Tics :		4599.6				
			Total Concentration:		4891.43				
Client ID:	**MW-8DL**								
N1467-05DL	MW-8DL	Water	Vinyl Chloride		13.50	JD	3.90	20.0	ug/L
N1467-05DL	MW-8DL	Water	cis-1,2-Dichloroethene		120.00	D	4.40	20.0	ug/L
N1467-05DL	MW-8DL	Water	Methylcyclohexane		9.30	JD	2.80	20.0	ug/L
N1467-05DL	MW-8DL	Water	Trichloroethene		14.20	JD	3.50	20.0	ug/L
N1467-05DL	MW-8DL	Water	Toluene		37.20	D	4.30	20.0	ug/L
N1467-05DL	MW-8DL	Water	Tetrachloroethene		14.80	JD	3.30	20.0	ug/L
N1467-05DL	MW-8DL	Water	Ethyl Benzene		94.10	D	3.60	20.0	ug/L
N1467-05DL	MW-8DL	Water	Total Xylenes		940.00	D	10.2	60.0	ug/L

Hit Summary Sheet
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
N1467-05DL	MW-8DL	Water	Isopropylbenzene		58.00	D	4.60	20.0	ug/L
			Total Voc :		1301.1				
			Total Concentration:		1301.1				
Client ID:	**MW-1D**								
N1467-07	MW-1D	Water	Vinyl Chloride		14.30		0.19	1.00	ug/L
N1467-07	MW-1D	Water	1,1-Dichloroethene		0.72	J	0.26	1.00	ug/L
N1467-07	MW-1D	Water	Acetone		1.90	J	1.60	5.00	ug/L
N1467-07	MW-1D	Water	trans-1,2-Dichloroethene		2.60		0.19	1.00	ug/L
N1467-07	MW-1D	Water	cis-1,2-Dichloroethene		450.00	E	0.22	1.00	ug/L
N1467-07	MW-1D	Water	Trichloroethene		83.30		0.17	1.00	ug/L
N1467-07	MW-1D	Water	Tetrachloroethene		65.80		0.17	1.00	ug/L
N1467-07	MW-1D	Water	Total Xylenes		1.03	J	0.51	3.00	ug/L
			Total Voc :		619.65				
N1467-07	MW-1D	Water	m/p-Xylenes	*	0.61	J	0.32	2.00	ug/L
N1467-07	MW-1D	Water	o-Xylene	*	0.42	J	0.19	1.00	ug/L
N1467-07	MW-1D	Water	1,3,5-Trimethylbenzene	*	0.78	J	0.25	1.00	ug/L
N1467-07	MW-1D	Water	1,2,4-Trimethylbenzene	*	2.60	J	0.20	1.00	ug/L
N1467-07	MW-1D	Water	Naphthalene	*	0.42	J	0.26	1.00	ug/L
			Total Tics :		4.83				
			Total Concentration:		623.45				
Client ID:	**MW-1DDL**								
N1467-07DL	MW-1DDL	Water	Vinyl Chloride		14.30	D	1.90	10.0	ug/L
N1467-07DL	MW-1DDL	Water	cis-1,2-Dichloroethene		440.00	D	2.20	10.0	ug/L
N1467-07DL	MW-1DDL	Water	Trichloroethene		81.70	D	1.70	10.0	ug/L
N1467-07DL	MW-1DDL	Water	Tetrachloroethene		67.00	D	1.70	10.0	ug/L
			Total Voc :		603				
			Total Concentration:		603				
Client ID:	**MW-23S**								
N1467-09	MW-23S	Water	Vinyl Chloride		19.60		0.19	1.00	ug/L
N1467-09	MW-23S	Water	1,1-Dichloroethene		1.50		0.26	1.00	ug/L
N1467-09	MW-23S	Water	Acetone		2.60	J	1.60	5.00	ug/L
N1467-09	MW-23S	Water	trans-1,2-Dichloroethene		5.20		0.19	1.00	ug/L
N1467-09	MW-23S	Water	cis-1,2-Dichloroethene		1,000.00	E	0.22	1.00	ug/L
N1467-09	MW-23S	Water	Trichloroethene		250.00	E	0.17	1.00	ug/L
N1467-09	MW-23S	Water	Tetrachloroethene		200.00	E	0.17	1.00	ug/L
N1467-09	MW-23S	Water	Total Xylenes		0.54	J	0.51	3.00	ug/L
			Total Voc :		1479.44				
N1467-09	MW-23S	Water	Tetrahydrofuran	*	3.50	J	1.00	5.00	ug/L
N1467-09	MW-23S	Water	m/p-Xylenes	*	0.33	J	0.32	2.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
N1467-09	MW-23S	Water	o-Xylene	*	0.21	J	0.19	1.00	ug/L
N1467-09	MW-23S	Water	1,3,5-Trimethylbenzene	*	0.37	J	0.25	1.00	ug/L
N1467-09	MW-23S	Water	1,2,4-Trimethylbenzene	*	1.20	J	0.20	1.00	ug/L
			Total Tics :		5.61				
			Total Concentration:		1484.51				
Client ID:	**MW-23SDL**								
N1467-09DL	MW-23SDL	Water	Vinyl Chloride		20.40	D	3.90	20.0	ug/L
N1467-09DL	MW-23SDL	Water	trans-1,2-Dichloroethene		7.70	JD	3.80	20.0	ug/L
N1467-09DL	MW-23SDL	Water	cis-1,2-Dichloroethene		1,200.00	D	4.40	20.0	ug/L
N1467-09DL	MW-23SDL	Water	Trichloroethene		280.00	D	3.50	20.0	ug/L
N1467-09DL	MW-23SDL	Water	Tetrachloroethene		240.00	D	3.30	20.0	ug/L
			Total Voc :		1748.1				
			Total Concentration:		1748.1				
Client ID:	**MW-23D**								
N1467-11	MW-23D	Water	Vinyl Chloride		6.80		0.19	1.00	ug/L
N1467-11	MW-23D	Water	1,1-Dichloroethene		2.50		0.26	1.00	ug/L
N1467-11	MW-23D	Water	Methyl tert-butyl Ether		0.81	J	0.22	1.00	ug/L
N1467-11	MW-23D	Water	trans-1,2-Dichloroethene		6.20		0.19	1.00	ug/L
N1467-11	MW-23D	Water	cis-1,2-Dichloroethene		920.00	E	0.22	1.00	ug/L
N1467-11	MW-23D	Water	Trichloroethene		470.00	E	0.17	1.00	ug/L
N1467-11	MW-23D	Water	Tetrachloroethene		420.00	E	0.17	1.00	ug/L
			Total Voc :		1826.31				
N1467-11	MW-23D	Water	1,2,4-Trimethylbenzene	*	0.41	J	0.20	1.00	ug/L
			Total Tics :		0.41				
			Total Concentration:		1826.72				
Client ID:	**MW-23DDL**								
N1467-11DL	MW-23DDL	Water	Vinyl Chloride		7.60	JD	3.90	20.0	ug/L
N1467-11DL	MW-23DDL	Water	trans-1,2-Dichloroethene		9.40	JD	3.80	20.0	ug/L
N1467-11DL	MW-23DDL	Water	cis-1,2-Dichloroethene		1,000.00	D	4.40	20.0	ug/L
N1467-11DL	MW-23DDL	Water	Trichloroethene		510.00	D	3.50	20.0	ug/L
N1467-11DL	MW-23DDL	Water	Tetrachloroethene		490.00	D	3.30	20.0	ug/L
			Total Voc :		2017				
			Total Concentration:		2017				
Client ID:	**MW-1DD**								
N1467-13	MW-1DD	Water	Vinyl Chloride		0.86	J	0.19	1.00	ug/L
N1467-13	MW-1DD	Water	Acetone		2.00	J	1.60	5.00	ug/L
N1467-13	MW-1DD	Water	cis-1,2-Dichloroethene		19.20		0.22	1.00	ug/L
N1467-13	MW-1DD	Water	Trichloroethene		4.50		0.17	1.00	ug/L
N1467-13	MW-1DD	Water	Tetrachloroethene		7.30		0.17	1.00	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Voc :		33.86				
N1467-13	MW-1DD	Water	1,2,4-Trimethylbenzene	*	0.35	J	0.20	1.00	ug/L
			Total Tics :		0.35				
			Total Concentration:		34.21				
Client ID:	**MW-1**								
N1467-15	MW-1	Water	Vinyl Chloride		7.60		0.19	1.00	ug/L
N1467-15	MW-1	Water	1,1-Dichloroethene		0.34	J	0.26	1.00	ug/L
N1467-15	MW-1	Water	trans-1,2-Dichloroethene		4.00		0.19	1.00	ug/L
N1467-15	MW-1	Water	cis-1,2-Dichloroethene		880.00	E	0.22	1.00	ug/L
N1467-15	MW-1	Water	Trichloroethene		200.00	E	0.17	1.00	ug/L
N1467-15	MW-1	Water	Tetrachloroethene		380.00	E	0.17	1.00	ug/L
			Total Voc :		1471.94				
N1467-15	MW-1	Water	1,2,4-Trimethylbenzene	*	0.25	J	0.20	1.00	ug/L
			Total Tics :		0.25				
			Total Concentration:		1472.19				
Client ID:	**MW-1DL**								
N1467-15DL	MW-1DL	Water	Vinyl Chloride		8.10	JD	3.90	20.0	ug/L
N1467-15DL	MW-1DL	Water	cis-1,2-Dichloroethene		990.00	D	4.40	20.0	ug/L
N1467-15DL	MW-1DL	Water	Trichloroethene		210.00	D	3.50	20.0	ug/L
N1467-15DL	MW-1DL	Water	Tetrachloroethene		410.00	D	3.30	20.0	ug/L
			Total Voc :		1618.1				
			Total Concentration:		1618.1				

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30D	SDG No.:	N1467
Lab Sample ID:	N1467-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026945.D	1		02/11/22 01:59	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.6		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.50		0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.50		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	860	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	240	E	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30D	SDG No.:	N1467
Lab Sample ID:	N1467-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026945.D	1		02/11/22 01:59	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	160	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	54.0		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.562			
540-36-3	1,4-Difluorobenzene	207000	6.769			
3114-55-4	Chlorobenzene-d5	189000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81900	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
109-99-9	Tetrahydrofuran	8.50	J		5.01	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.29	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30D	SDG No.:	N1467
Lab Sample ID:	N1467-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026945.D	1		02/11/22 01:59	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30DDL	SDG No.:	N1467
Lab Sample ID:	N1467-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026967.D	20		02/11/22 15:19	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.8	D	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	9.40	JD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	940	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	250	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30DDL	SDG No.:	N1467
Lab Sample ID:	N1467-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026967.D	20		02/11/22 15:19	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	180	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	34.9	JD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.1		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.556			
540-36-3	1,4-Difluorobenzene	196000	6.769			
3114-55-4	Chlorobenzene-d5	167000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	72000	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30DDL	SDG No.:	N1467
Lab Sample ID:	N1467-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026967.D	20		02/11/22 15:19	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30S	SDG No.:	N1467
Lab Sample ID:	N1467-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026974.D	1		02/11/22 18:01	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.70		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.40	J	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	79.7		0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	32.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30S	SDG No.:	N1467
Lab Sample ID:	N1467-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026974.D	1		02/11/22 18:01	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	11.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		78 - 117	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	54.0		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		83 - 123	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	106000	5.556			
540-36-3	1,4-Difluorobenzene	178000	6.769			
3114-55-4	Chlorobenzene-d5	167000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	71000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
109-99-9	Tetrahydrofuran	11.2	J		5.01	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30S	SDG No.:	N1467
Lab Sample ID:	N1467-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026974.D	1		02/11/22 18:01	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8	SDG No.:	N1467
Lab Sample ID:	N1467-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026947.D	1		02/11/22 02:45	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	13.0		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	7.30		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20		0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.60		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	2.20	J	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	60.8		0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	10.3		0.14	1.00	ug/L
71-43-2	Benzene	0.75	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.72	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	39.0		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8	SDG No.:	N1467
Lab Sample ID:	N1467-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026947.D	1		02/11/22 02:45	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.86	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	94.8		0.18	1.00	ug/L
1330-20-7	Total Xylenes	850	E	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	57.3		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		78 - 117	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	54.6		92 - 112	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.5		83 - 123	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.562			
540-36-3	1,4-Difluorobenzene	193000	6.763			
3114-55-4	Chlorobenzene-d5	184000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81100	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	510	J		10.3	ug/L
95-47-6	o-Xylene	340	J		10.6	ug/L
103-65-1	n-propylbenzene	120	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	500	J		11.4	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8	SDG No.:	N1467
Lab Sample ID:	N1467-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026947.D	1		02/11/22 02:45	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	540	J		11.5	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	250	J		11.6	ug/L
98-06-6	tert-Butylbenzene	11.4	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	1300	J		11.8	ug/L
135-98-8	sec-Butylbenzene	34.5	J		11.9	ug/L
99-87-6	p-Isopropyltoluene	49.7	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	440	J		12.1	ug/L
000637-50-3	Benzene, 1-propenyl-	88.6	J		12.3	ug/L
001074-17-5	Benzene, 1-methyl-2-propyl-	42.3	J		12.3	ug/L
000527-84-4	o-Cymene	100	J		12.3	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	46.3	J		12.5	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	50.3	J		12.5	ug/L
000099-87-6	p-Cymene	49.7	J		12.6	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	45.6	J		12.6	ug/L
91-20-3	Naphthalene	81.2	J		13.8	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8DL	SDG No.:	N1467
Lab Sample ID:	N1467-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026968.D	20		02/11/22 15:42	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	13.5	JD	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	120	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	9.30	JD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	14.2	JD	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	37.2	D	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8DL	SDG No.:	N1467
Lab Sample ID:	N1467-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026968.D	20		02/11/22 15:42	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	14.8	JD	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	94.1	D	3.60	20.0	ug/L
1330-20-7	Total Xylenes	940	D	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	58.0	D	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.5		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.562			
540-36-3	1,4-Difluorobenzene	193000	6.769			
3114-55-4	Chlorobenzene-d5	166000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	73400	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8DL	SDG No.:	N1467
Lab Sample ID:	N1467-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026968.D	20		02/11/22 15:42	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1D	SDG No.:	N1467
Lab Sample ID:	N1467-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026948.D	1		02/11/22 03:08	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	14.3		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.72	J	0.26	1.00	ug/L
67-64-1	Acetone	1.90	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.60		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	450	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	83.3		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1D	SDG No.:	N1467
Lab Sample ID:	N1467-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026948.D	1		02/11/22 03:08	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	65.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	1.03	J	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.1		83 - 123	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	123000	5.556			
540-36-3	1,4-Difluorobenzene	206000	6.763			
3114-55-4	Chlorobenzene-d5	192000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	84900	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
179601-23-1	m/p-Xylenes	0.61	J		10.3	ug/L
95-47-6	o-Xylene	0.42	J		10.6	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.78	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.60	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1D	SDG No.:	N1467
Lab Sample ID:	N1467-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026948.D	1		02/11/22 03:08	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
91-20-3	Naphthalene	0.42	J		13.8	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DDL	SDG No.:	N1467
Lab Sample ID:	N1467-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026965.D	10		02/11/22 14:32	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	2.30	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.00	10.0	ug/L
75-01-4	Vinyl Chloride	14.3	D	1.90	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	8.70	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	3.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	2.50	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.60	10.0	ug/L
67-64-1	Acetone	50.0	UD	16.1	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	2.20	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	4.70	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	1.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.90	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	2.10	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	13.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	9.00	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	2.70	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	440	D	2.20	10.0	ug/L
67-66-3	Chloroform	10.0	UD	2.70	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.40	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.80	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	2.50	10.0	ug/L
79-01-6	Trichloroethene	81.7	D	1.70	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.70	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	2.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	8.70	50.0	ug/L
108-88-3	Toluene	10.0	UD	2.20	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.80	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	UD	2.40	10.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DDL	SDG No.:	N1467
Lab Sample ID:	N1467-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026965.D	10		02/11/22 14:32	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	50.0	UD	9.20	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	67.0	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.70	10.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	10.0	UD	1.90	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.80	10.0	ug/L
1330-20-7	Total Xylenes	30.0	UD	5.10	30.0	ug/L
100-42-5	Styrene	10.0	UD	1.60	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	2.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	2.90	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.70	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	3.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	3.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.3		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	122000	5.556			
540-36-3	1,4-Difluorobenzene	204000	6.763			
3114-55-4	Chlorobenzene-d5	178000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DDL	SDG No.:	N1467
Lab Sample ID:	N1467-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026965.D	10		02/11/22 14:32	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23S	SDG No.:	N1467
Lab Sample ID:	N1467-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026949.D	1		02/11/22 03:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.6		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.50		0.26	1.00	ug/L
67-64-1	Acetone	2.60	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.20		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1000	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	250	E	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23S	SDG No.:	N1467
Lab Sample ID:	N1467-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026949.D	1		02/11/22 03:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	200	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	0.54	J	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.3		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		83 - 123	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	126000	5.556			
540-36-3	1,4-Difluorobenzene	211000	6.769			
3114-55-4	Chlorobenzene-d5	190000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79100	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
109-99-9	Tetrahydrofuran	3.50	J		5.03	ug/L
179601-23-1	m/p-Xylenes	0.33	J		10.3	ug/L
95-47-6	o-Xylene	0.21	J		10.6	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.37	J		11.5	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23S	SDG No.:	N1467
Lab Sample ID:	N1467-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026949.D	1		02/11/22 03:31	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	1.20	J		11.8	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23SDL	SDG No.:	N1467
Lab Sample ID:	N1467-09DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026969.D	20		02/11/22 16:05	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	20.4	D	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	7.70	JD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1200	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	280	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23SDL	SDG No.:	N1467
Lab Sample ID:	N1467-09DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026969.D	20		02/11/22 16:05	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	240	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		83 - 123	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.562			
540-36-3	1,4-Difluorobenzene	195000	6.763			
3114-55-4	Chlorobenzene-d5	168000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	70700	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23SDL	SDG No.:	N1467
Lab Sample ID:	N1467-09DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026969.D	20		02/11/22 16:05	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23D	SDG No.:	N1467
Lab Sample ID:	N1467-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026950.D	1		02/11/22 03:54	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	6.80		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.50		0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.81	J	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	6.20		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	920	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	470	E	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23D	SDG No.:	N1467
Lab Sample ID:	N1467-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026950.D	1		02/11/22 03:54	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	420	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.8		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2		83 - 123	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	119000	5.556			
540-36-3	1,4-Difluorobenzene	200000	6.763			
3114-55-4	Chlorobenzene-d5	186000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	82900	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.41	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23D	SDG No.:	N1467
Lab Sample ID:	N1467-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026950.D	1		02/11/22 03:54	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23DDL	SDG No.:	N1467
Lab Sample ID:	N1467-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026970.D	20		02/11/22 16:28	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	7.60	JD	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	9.40	JD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1000	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	510	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23DDL	SDG No.:	N1467
Lab Sample ID:	N1467-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026970.D	20		02/11/22 16:28	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	490	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		78 - 117	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	52.0		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	5.562			
540-36-3	1,4-Difluorobenzene	192000	6.769			
3114-55-4	Chlorobenzene-d5	163000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	69000	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23DDL	SDG No.:	N1467
Lab Sample ID:	N1467-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026970.D	20		02/11/22 16:28	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DD	SDG No.:	N1467
Lab Sample ID:	N1467-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026975.D	1		02/11/22 18:24	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	0.86	J	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.00	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	4.50		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DD	SDG No.:	N1467
Lab Sample ID:	N1467-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026975.D	1		02/11/22 18:24	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	7.30		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	54.3		92 - 112	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.5		83 - 123	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	5.556			
540-36-3	1,4-Difluorobenzene	179000	6.763			
3114-55-4	Chlorobenzene-d5	169000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74200	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.35	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DD	SDG No.:	N1467
Lab Sample ID:	N1467-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026975.D	1		02/11/22 18:24	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1	SDG No.:	N1467
Lab Sample ID:	N1467-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026952.D	1		02/11/22 04:40	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	7.60		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.34	J	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	4.00		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	880	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	200	E	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1	SDG No.:	N1467
Lab Sample ID:	N1467-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026952.D	1		02/11/22 04:40	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	380	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		83 - 123	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.556			
540-36-3	1,4-Difluorobenzene	207000	6.769			
3114-55-4	Chlorobenzene-d5	188000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81600	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.25	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1	SDG No.:	N1467
Lab Sample ID:	N1467-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026952.D	1		02/11/22 04:40	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DL	SDG No.:	N1467
Lab Sample ID:	N1467-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026971.D	20		02/11/22 16:51	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	8.10	JD	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	20.0	UD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	990	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	210	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DL	SDG No.:	N1467
Lab Sample ID:	N1467-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026971.D	20		02/11/22 16:51	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	410	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		78 - 117	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.4		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	5.556			
540-36-3	1,4-Difluorobenzene	176000	6.769			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	65900	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DL	SDG No.:	N1467
Lab Sample ID:	N1467-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026971.D	20		02/11/22 16:51	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N1467-01	MW-30D	1,2-Dichloroethane-d4	50	53.6	107	78	117
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	54.0	108	92	112
		4-Bromofluorobenzene	50	56.9	114	83	123
N1467-01DL	MW-30DDL	1,2-Dichloroethane-d4	50	54.5	109	78	117
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	52.1	104	92	112
		4-Bromofluorobenzene	50	51.9	104	83	123
N1467-03	MW-30S	1,2-Dichloroethane-d4	50	53.9	108	78	117
		Dibromofluoromethane	50	53.1	106	75	124
		Toluene-d8	50	54.0	108	92	112
		4-Bromofluorobenzene	50	57.6	115	83	123
N1467-05	MW-8	1,2-Dichloroethane-d4	50	53.9	108	78	117
		Dibromofluoromethane	50	52.4	105	75	124
		Toluene-d8	50	54.6	109	92	112
		4-Bromofluorobenzene	50	58.5	117	83	123
N1467-05DL	MW-8DL	1,2-Dichloroethane-d4	50	54.5	109	78	117
		Dibromofluoromethane	50	53.4	107	75	124
		Toluene-d8	50	52.5	105	92	112
		4-Bromofluorobenzene	50	53.2	106	83	123
N1467-07	MW-1D	1,2-Dichloroethane-d4	50	53.0	106	78	117
		Dibromofluoromethane	50	52.1	104	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	58.1	116	83	123
N1467-07DL	MW-1DDL	1,2-Dichloroethane-d4	50	53.6	107	78	117
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	52.3	105	92	112
		4-Bromofluorobenzene	50	51.8	104	83	123
N1467-09	MW-23S	1,2-Dichloroethane-d4	50	53.0	106	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	53.3	107	92	112
		4-Bromofluorobenzene	50	54.8	110	83	123
N1467-09DL	MW-23SDL	1,2-Dichloroethane-d4	50	54.4	109	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	51.9	104	92	112
		4-Bromofluorobenzene	50	51.9	104	83	123
N1467-11	MW-23D	1,2-Dichloroethane-d4	50	53.7	107	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	53.8	108	92	112
		4-Bromofluorobenzene	50	58.2	116	83	123
N1467-11DL	MW-23DDL	1,2-Dichloroethane-d4	50	54.1	108	78	117
		Dibromofluoromethane	50	53.1	106	75	124
		Toluene-d8	50	52.0	104	92	112
		4-Bromofluorobenzene	50	51.1	102	83	123
N1467-13	MW-1DD	1,2-Dichloroethane-d4	50	54.7	109	78	117
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	54.3	109	92	112
		4-Bromofluorobenzene	50	58.5	117	83	123
N1467-15	MW-1	1,2-Dichloroethane-d4	50	53.4	107	78	117
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	56.1	112	83	123

Surrogate Summary

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N1467-15DL	MW-1DL	1,2-Dichloroethane-d4	50	55.0	110	78	117
		Dibromofluoromethane	50	53.6	107	75	124
		Toluene-d8	50	52.4	105	92	112
		4-Bromofluorobenzene	50	52.8	106	83	123
VX0210WBL03	VX0210WBL03	1,2-Dichloroethane-d4	50	52.5	105	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	56.3	113	83	123
VX0210WBS03	VX0210WBS03	1,2-Dichloroethane-d4	50	49.3	99	78	117
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	51.3	103	83	123
VX0210WBSD0	VX0210WBSD03	1,2-Dichloroethane-d4	50	52.3	105	78	117
		Dibromofluoromethane	50	50.4	101	75	124
		Toluene-d8	50	53.1	106	92	112
		4-Bromofluorobenzene	50	54.6	109	83	123
VX0211WBL01	VX0211WBL01	1,2-Dichloroethane-d4	50	53.1	106	78	117
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	54.3	109	83	123
VX0211WBS01	VX0211WBS01	1,2-Dichloroethane-d4	50	47.3	95	78	117
		Dibromofluoromethane	50	47.6	95	75	124
		Toluene-d8	50	48.9	98	92	112
		4-Bromofluorobenzene	50	49.4	99	83	123

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0210WBS03	Dichlorodifluoromethane	20	20.8	ug/L	104			69	116	
	Chloromethane	20	21.8	ug/L	109			65	116	
	Vinyl chloride	20	21.4	ug/L	107			65	117	
	Bromomethane	20	23.9	ug/L	119			55	134	
	Chloroethane	20	21.0	ug/L	105			73	112	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			80	112	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	18.3	ug/L	92			64	112	
	Methyl tert-butyl Ether	20	19.4	ug/L	97			78	114	
	Methyl Acetate	20	20.0	ug/L	100			67	125	
	Methylene Chloride	20	20.3	ug/L	102			72	114	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	20.6	ug/L	103			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	20.4	ug/L	102			77	110	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	20.1	ug/L	101			72	115	
	Benzene	20	20.2	ug/L	101			82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	19.6	ug/L	98			77	113	
	1,2-Dichloropropane	20	19.9	ug/L	100			83	111	
	Bromodichloromethane	20	21.2	ug/L	106			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.6	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	22.0	ug/L	110			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.5	ug/L	108			82	110	
	1,2-Dibromoethane	20	21.8	ug/L	109			81	110	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	20.3	ug/L	102			82	109	
	1,1,1,2-Tetrachloroethane	20	20.2	ug/L	101			84	111	
	Ethyl Benzene	20	20.4	ug/L	102			83	109	
	m/p-Xylenes	40	40.0	ug/L	100			82	110	
	o-Xylene	20	20.1	ug/L	101			83	109	
	Styrene	20	20.6	ug/L	103			80	111	
	Bromoform	20	18.7	ug/L	94			79	109	
	Isopropylbenzene	20	20.9	ug/L	104			83	112	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			76	118	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			82	108	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0210WBS03	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0210WBSD03	Dichlorodifluoromethane	20	20.0	ug/L	100	4		69	116	20
	Chloromethane	20	20.6	ug/L	103	6		65	116	20
	Vinyl chloride	20	20.0	ug/L	100	7		65	117	20
	Bromomethane	20	22.4	ug/L	112	6		55	134	20
	Chloroethane	20	19.5	ug/L	98	7		73	112	20
	Trichlorofluoromethane	20	19.5	ug/L	98	6		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97	4		80	112	20
	1,1-Dichloroethene	20	18.9	ug/L	95	3		74	110	20
	Acetone	100	96.2	ug/L	96	4		60	125	20
	Carbon disulfide	20	17.8	ug/L	89	3		64	112	20
	Methyl tert-butyl Ether	20	18.7	ug/L	94	3		78	114	20
	Methyl Acetate	20	18.9	ug/L	95	5		67	125	20
	Methylene Chloride	20	19.4	ug/L	97	5		72	114	20
	trans-1,2-Dichloroethene	20	19.5	ug/L	98	3		75	108	20
	1,1-Dichloroethane	20	19.5	ug/L	98	3		78	112	20
	Cyclohexane	20	19.0	ug/L	95	8		75	110	20
	2-Butanone	100	100	ug/L	100	10		65	122	20
	Carbon Tetrachloride	20	18.6	ug/L	93	5		77	113	20
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	5		77	110	20
	Chloroform	20	19.5	ug/L	98	4		79	113	20
	1,1,1-Trichloroethane	20	19.0	ug/L	95	3		80	108	20
	Methylcyclohexane	20	18.8	ug/L	94	7		72	115	20
	Benzene	20	19.2	ug/L	96	5		82	109	20
	1,2-Dichloroethane	20	20.0	ug/L	100	8		80	115	20
	Trichloroethene	20	18.5	ug/L	93	5		77	113	20
	1,2-Dichloropropane	20	19.4	ug/L	97	3		83	111	20
	Bromodichloromethane	20	19.9	ug/L	100	6		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	10		74	118	20
	Toluene	20	19.5	ug/L	98	5		82	110	20
	t-1,3-Dichloropropene	20	18.4	ug/L	92	5		79	110	20
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	3		82	110	20
	1,1,2-Trichloroethane	20	20.8	ug/L	104	6		83	112	20
	2-Hexanone	100	100	ug/L	100	10		73	117	20
	Dibromochloromethane	20	20.2	ug/L	101	7		82	110	20
	1,2-Dibromoethane	20	20.6	ug/L	103	6		81	110	20
	Tetrachloroethene	20	17.8	ug/L	89	7		67	123	20
	Chlorobenzene	20	19.3	ug/L	97	5		82	109	20
	1,1,1,2-Tetrachloroethane	20	18.9	ug/L	95	6		84	111	20
	Ethyl Benzene	20	19.4	ug/L	97	5		83	109	20
	m/p-Xylenes	40	38.5	ug/L	96	4		82	110	20
	o-Xylene	20	19.5	ug/L	98	3		83	109	20
	Styrene	20	19.9	ug/L	100	3		80	111	20
	Bromoform	20	18.1	ug/L	91	3		79	109	20
	Isopropylbenzene	20	20.1	ug/L	101	3		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101	3		76	118	20
	1,3-Dichlorobenzene	20	19.4	ug/L	97	3		82	108	20
	1,4-Dichlorobenzene	20	19.3	ug/L	97	2		82	107	20
	1,2-Dichlorobenzene	20	19.5	ug/L	98	4		82	109	20
	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92	1		68	112	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0210WBSD03	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	1		74	114	20
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93	6		77	113	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026962.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0211WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			69	116	
	Chloromethane	20	19.3	ug/L	97			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Bromomethane	20	19.3	ug/L	97			55	134	
	Chloroethane	20	18.3	ug/L	92			73	112	
	Trichlorofluoromethane	20	18.9	ug/L	95			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.2	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			78	114	
	Methyl Acetate	20	18.3	ug/L	92			67	125	
	Methylene Chloride	20	18.4	ug/L	92			72	114	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			75	108	
	1,1-Dichloroethane	20	19.0	ug/L	95			78	112	
	Cyclohexane	20	18.9	ug/L	95			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			77	110	
	Chloroform	20	18.8	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Methylcyclohexane	20	19.7	ug/L	99			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	19.2	ug/L	96			83	111	
	Bromodichloromethane	20	19.9	ug/L	100			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			82	110	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	18.5	ug/L	93			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	1,1,1,2-Tetrachloroethane	20	19.2	ug/L	96			84	111	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	39.3	ug/L	98			82	110	
	o-Xylene	20	19.6	ug/L	98			83	109	
	Styrene	20	19.7	ug/L	99			80	111	
	Bromoform	20	18.1	ug/L	91			79	109	
	Isopropylbenzene	20	20.1	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1467

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026962.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0211WBS01	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			77	113	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0210WBL03

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026940.D Lab Sample ID: VX0210WBL03

Date Analyzed: 02/10/2022 Time Analyzed: 23:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0210WBS03	VX0210WBS03	VX026941.D	02/11/2022
VX0210WBSD03	VX0210WBSD03	VX026942.D	02/11/2022
MW-30D	N1467-01	VX026945.D	02/11/2022
MW-8	N1467-05	VX026947.D	02/11/2022
MW-1D	N1467-07	VX026948.D	02/11/2022
MW-23S	N1467-09	VX026949.D	02/11/2022
MW-23D	N1467-11	VX026950.D	02/11/2022
MW-1	N1467-15	VX026952.D	02/11/2022

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0211WBL01

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026961.D Lab Sample ID: VX0211WBL01

Date Analyzed: 02/11/2022 Time Analyzed: 12:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0211WBS01	VX0211WBS01	VX026962.D	02/11/2022
MW-1DDL	N1467-07DL	VX026965.D	02/11/2022
MW-30DDL	N1467-01DL	VX026967.D	02/11/2022
MW-8DL	N1467-05DL	VX026968.D	02/11/2022
MW-23SDL	N1467-09DL	VX026969.D	02/11/2022
MW-23DDL	N1467-11DL	VX026970.D	02/11/2022
MW-1DL	N1467-15DL	VX026971.D	02/11/2022
MW-30S	N1467-03	VX026974.D	02/11/2022
MW-1DD	N1467-13	VX026975.D	02/11/2022

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026801.D BFB Injection Date: 02/07/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:25

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	70.3 (96.1) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX026802.D	02/07/2022	23:57
VSTDICC005	VSTDICC005	VX026803.D	02/08/2022	00:43
VSTDICC020	VSTDICC020	VX026804.D	02/08/2022	01:06
VSTDICCC050	VSTDICCC050	VX026805.D	02/08/2022	01:29
VSTDICC100	VSTDICC100	VX026806.D	02/08/2022	01:52
VSTDICC150	VSTDICC150	VX026807.D	02/08/2022	02:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026938.D BFB Injection Date: 02/10/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:09

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	69.4
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	69.8 (100.7) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026939.D	02/10/2022	22:54
VX0210WBL03	VX0210WBL03	VX026940.D	02/10/2022	23:41
VX0210WBS03	VX0210WBS03	VX026941.D	02/11/2022	00:27
VX0210WBSD03	VX0210WBSD03	VX026942.D	02/11/2022	00:49
MW-30D	N1467-01	VX026945.D	02/11/2022	01:59
MW-8	N1467-05	VX026947.D	02/11/2022	02:45
MW-1D	N1467-07	VX026948.D	02/11/2022	03:08
MW-23S	N1467-09	VX026949.D	02/11/2022	03:31
MW-23D	N1467-11	VX026950.D	02/11/2022	03:54
MW-1	N1467-15	VX026952.D	02/11/2022	04:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026958.D BFB Injection Date: 02/11/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:27

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	70.2 (98.1) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026959.D	02/11/2022	11:59
VX0211WBL01	VX0211WBL01	VX026961.D	02/11/2022	12:54
VX0211WBS01	VX0211WBS01	VX026962.D	02/11/2022	13:21
MW-1DDL	N1467-07DL	VX026965.D	02/11/2022	14:32
MW-30DDL	N1467-01DL	VX026967.D	02/11/2022	15:19
MW-8DL	N1467-05DL	VX026968.D	02/11/2022	15:42
MW-23SDL	N1467-09DL	VX026969.D	02/11/2022	16:05
MW-23DDL	N1467-11DL	VX026970.D	02/11/2022	16:28
MW-1DL	N1467-15DL	VX026971.D	02/11/2022	16:51
MW-30S	N1467-03	VX026974.D	02/11/2022	18:01
MW-1DD	N1467-13	VX026975.D	02/11/2022	18:24

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026939.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 22:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92759	5.56	153310	6.76	138116	10.06
UPPER LIMIT	185518	6.062	306620	7.263	276232	10.555
LOWER LIMIT	46379.5	5.062	76655	6.263	69058	9.555
EPA SAMPLE NO.						
MW-30D	124028	5.56	206698	6.77	189291	10.06
MW-8	114659	5.56	193063	6.76	184071	10.06
MW-1D	123282	5.56	206351	6.76	191624	10.06
MW-23S	125521	5.56	210626	6.77	189879	10.06
MW-23D	119163	5.56	200300	6.76	185768	10.06
MW-1	123669	5.56	206735	6.77	188006	10.06
VX0210WBL03	124035	5.56	205936	6.76	187420	10.06
VX0210WBS03	93729	5.56	153153	6.76	139000	10.06
VX0210WBSD03	97114	5.56	159671	6.76	143878	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026939.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 22:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61127	12.024				
UPPER LIMIT	122254	12.524				
LOWER LIMIT	30563.5	11.524				
EPA SAMPLE NO.						
MW-30D	81866	12.02				
MW-8	81061	12.02				
MW-1D	84932	12.02				
MW-23S	79127	12.02				
MW-23D	82920	12.02				
MW-1	81645	12.02				
VX0210WBL03	79561	12.02				
VX0210WBS03	61956	12.02				
VX0210WBSD03	64133	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026959.D Date Analyzed: 02/11/2022

Instrument ID: MSVOA_X Time Analyzed: 11:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	95221	5.56	151113	6.76	130795	10.06
UPPER LIMIT	190442	6.056	302226	7.263	261590	10.555
LOWER LIMIT	47610.5	5.056	75556.5	6.263	65397.5	9.555
EPA SAMPLE NO.						
MW-30DDL	115186	5.56	195551	6.77	167305	10.06
MW-30S	106363	5.56	178174	6.77	166580	10.06
MW-8DL	114905	5.56	192811	6.77	166455	10.06
MW-1DDL	122261	5.56	204373	6.76	177709	10.06
MW-23SDL	115144	5.56	195215	6.76	168310	10.06
MW-23DDL	113411	5.56	191781	6.77	163203	10.06
MW-1DD	106837	5.56	179466	6.76	168693	10.06
MW-1DL	103850	5.56	175630	6.77	153496	10.06
VX0211WBL01	120975	5.56	202826	6.76	182354	10.06
VX0211WBS01	101568	5.56	162750	6.76	142946	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG NO.: N1467

Lab File ID: VX026959.D Date Analyzed: 02/11/2022

Instrument ID: MSVOA_X Time Analyzed: 11:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	58555	12.024				
UPPER LIMIT	117110	12.524				
LOWER LIMIT	29277.5	11.524				
EPA SAMPLE NO.						
MW-30DDL	72047	12.02				
MW-30S	70993	12.02				
MW-8DL	73446	12.02				
MW-1DDL	74245	12.02				
MW-23SDL	70730	12.02				
MW-23DDL	69023	12.02				
MW-1DD	74230	12.02				
MW-1DL	65866	12.02				
VX0211WBL01	76188	12.02				
VX0211WBS01	64857	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

 # Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

QC SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1467
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1467
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		83 - 123	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.562			
540-36-3	1,4-Difluorobenzene	206000	6.763			
3114-55-4	Chlorobenzene-d5	187000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1467
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1467
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1467
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	121000	5.556			
540-36-3	1,4-Difluorobenzene	203000	6.763			
3114-55-4	Chlorobenzene-d5	182000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	76200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1467
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1467
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.8		0.23	1.00	ug/L
74-87-3	Chloromethane	21.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	21.4		0.19	1.00	ug/L
74-83-9	Bromomethane	23.9		0.87	5.00	ug/L
75-00-3	Chloroethane	21.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
67-64-1	Acetone	100		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.22	1.00	ug/L
79-20-9	Methyl Acetate	20.0		0.47	1.00	ug/L
75-09-2	Methylene Chloride	20.3		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.6		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.14	1.00	ug/L
71-43-2	Benzene	20.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.0		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1467
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.18	1.00	ug/L
1330-20-7	Total Xylenes	60.1		0.51	3.00	ug/L
100-42-5	Styrene	20.6		0.16	1.00	ug/L
75-25-2	Bromoform	18.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93700	5.562			
540-36-3	1,4-Difluorobenzene	153000	6.763			
3114-55-4	Chlorobenzene-d5	139000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	62000	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1467
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1467
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		0.23	1.00	ug/L
74-87-3	Chloromethane	19.3		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.19	1.00	ug/L
74-83-9	Bromomethane	19.3		0.87	5.00	ug/L
75-00-3	Chloroethane	18.3		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	1.00	ug/L
67-64-1	Acetone	110		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.30	5.00	ug/L
78-93-3	2-Butanone	100		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.22	1.00	ug/L
67-66-3	Chloroform	18.8		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		0.14	1.00	ug/L
71-43-2	Benzene	19.1		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.25	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	19.3		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1467
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.18	1.00	ug/L
1330-20-7	Total Xylenes	58.9		0.51	3.00	ug/L
100-42-5	Styrene	19.7		0.16	1.00	ug/L
75-25-2	Bromoform	18.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		78 - 117	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	48.9		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	102000	5.556			
540-36-3	1,4-Difluorobenzene	163000	6.763			
3114-55-4	Chlorobenzene-d5	143000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	64900	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1467
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBSD03	SDG No.:	N1467
Lab Sample ID:	VX0210WBSD03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026942.D	1		02/11/22 00:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		0.23	1.00	ug/L
74-87-3	Chloromethane	20.6		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	20.0		0.19	1.00	ug/L
74-83-9	Bromomethane	22.4		0.87	5.00	ug/L
75-00-3	Chloroethane	19.5		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	1.00	ug/L
67-64-1	Acetone	96.2		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.9		0.47	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.21	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.30	5.00	ug/L
78-93-3	2-Butanone	100		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.22	1.00	ug/L
67-66-3	Chloroform	19.5		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.14	1.00	ug/L
71-43-2	Benzene	19.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.25	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	19.5		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBSD03	SDG No.:	N1467
Lab Sample ID:	VX0210WBSD03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026942.D	1		02/11/22 00:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.9		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.18	1.00	ug/L
1330-20-7	Total Xylenes	58.0		0.51	3.00	ug/L
100-42-5	Styrene	19.9		0.16	1.00	ug/L
75-25-2	Bromoform	18.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	53.1		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97100	5.562			
540-36-3	1,4-Difluorobenzene	160000	6.763			
3114-55-4	Chlorobenzene-d5	144000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	64100	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBSD03	SDG No.:	N1467
Lab Sample ID:	VX0210WBSD03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026942.D	1		02/11/22 00:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.534	0.505	0.549	0.536	0.590	0.548	0.544	5.1
Chloromethane	0.544	0.485	0.512	0.486	0.521	0.486	0.506	4.8
Vinyl Chloride	0.507	0.517	0.534	0.519	0.570	0.529	0.529	4.2
Bromomethane		0.227	0.226	0.205	0.242	0.223	0.225	6
Chloroethane	0.320	0.304	0.317	0.303	0.239	0.204	0.281	17
Trichlorofluoromethane	0.769	0.752	0.760	0.770	0.843	0.782	0.779	4.2
1,1,2-Trichlorotrifluoroethane	0.477	0.511	0.509	0.499	0.557	0.511	0.511	5.1
1,1-Dichloroethene	0.505	0.508	0.495	0.499	0.552	0.510	0.512	4
Acetone	0.313	0.266	0.253	0.245	0.263	0.242	0.264	9.8
Carbon Disulfide	1.507	1.402	1.401	1.393	1.553	1.435	1.449	4.6
Methyl tert-butyl Ether	1.873	1.792	1.760	1.744	1.929	1.770	1.811	4
Methyl Acetate	0.915	0.748	0.732	0.708	0.751	0.697	0.758	10.5
Methylene Chloride	0.648	0.571	0.550	0.533	0.587	0.538	0.571	7.5
trans-1,2-Dichloroethene	0.497	0.533	0.529	0.530	0.594	0.547	0.538	5.9
1,1-Dichloroethane	0.952	0.975	0.976	0.960	1.073	0.988	0.987	4.4
Cyclohexane		0.963	0.932	0.927	1.012	0.935	0.954	3.7
2-Butanone	0.433	0.424	0.432	0.415	0.441	0.404	0.425	3.2
Carbon Tetrachloride	0.505	0.455	0.469	0.476	0.543	0.509	0.493	6.5
cis-1,2-Dichloroethene	0.569	0.612	0.617	0.610	0.679	0.622	0.618	5.7
Chloroform	1.085	1.028	1.006	0.977	1.075	0.984	1.026	4.5
1,1,1-Trichloroethane	0.868	0.882	0.875	0.888	0.994	0.920	0.905	5.2
Methylcyclohexane	0.540	0.553	0.568	0.565	0.638	0.594	0.576	6.1
Benzene	1.401	1.355	1.341	1.320	1.450	1.351	1.370	3.5
1,2-Dichloroethane	0.464	0.474	0.485	0.472	0.521	0.479	0.483	4.2
Trichloroethene	0.398	0.402	0.403	0.400	0.447	0.417	0.411	4.6
1,2-Dichloropropane	0.349	0.342	0.345	0.335	0.371	0.339	0.347	3.7
Bromodichloromethane	0.429	0.435	0.456	0.457	0.509	0.470	0.459	6.3
4-Methyl-2-Pentanone	0.523	0.490	0.521	0.480	0.511	0.462	0.498	4.9
Toluene	0.946	0.848	0.856	0.824	0.903	0.826	0.867	5.5
t-1,3-Dichloropropene	0.350	0.383	0.448	0.463	0.536	0.496	0.446	15.5
cis-1,3-Dichloropropene	0.424	0.449	0.503	0.523	0.592	0.551	0.507	12.4
1,1,2-Trichloroethane	0.321	0.328	0.337	0.321	0.348	0.315	0.328	3.7
2-Hexanone	0.362	0.353	0.384	0.354	0.383	0.350	0.364	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.285	0.309	0.348	0.343	0.388	0.354	0.338	10.7
1,2-Dibromoethane	0.332	0.335	0.358	0.341	0.373	0.343	0.347	4.5
Tetrachloroethene	0.453	0.496	0.512	0.508	0.546	0.498	0.502	6
Chlorobenzene	1.041	1.041	1.023	1.000	1.095	1.004	1.034	3.3
1,1,1,2-Tetrachloroethane	0.356	0.367	0.379	0.375	0.419	0.386	0.380	5.7
Ethyl Benzene	1.702	1.817	1.839	1.807	1.990	1.826	1.830	5
m/p-Xylenes	0.688	0.693	0.701	0.687	0.757	0.699	0.704	3.8
o-Xylene	0.688	0.685	0.686	0.672	0.735	0.675	0.690	3.3
Styrene	1.026	1.076	1.136	1.108	1.230	1.139	1.119	6.1
Bromoform	0.199	0.238	0.262	0.268	0.315	0.299	0.263	15.9
Isopropylbenzene	3.918	3.954	4.077	3.901	4.097	3.684	3.938	3.8
1,1,2,2-Tetrachloroethane	1.153	1.117	1.064	0.996	1.081	1.002	1.069	5.8
1,3-Dichlorobenzene	1.749	1.687	1.695	1.650	1.838	1.673	1.715	4
1,4-Dichlorobenzene	1.773	1.710	1.729	1.654	1.821	1.693	1.730	3.4
1,2-Dichlorobenzene	1.615	1.685	1.656	1.616	1.754	1.605	1.655	3.5
1,2-Dibromo-3-Chloropropane	0.225	0.237	0.250	0.269	0.305	0.292	0.263	11.9
1,2,4-Trichlorobenzene	0.970	0.945	1.015	1.038	1.180	1.120	1.045	8.6
1,2,3-Trichlorobenzene	0.970	0.997	1.041	1.048	1.185	1.105	1.058	7.3
1,2-Dichloroethane-d4		0.622	0.609	0.555	0.621	0.593	0.600	4.7
Dibromofluoromethane		0.297	0.302	0.272	0.313	0.305	0.298	5.3
Toluene-d8		1.080	1.148	1.004	1.134	1.103	1.093	5.2
4-Bromofluorobenzene		0.371	0.400	0.352	0.407	0.395	0.385	5.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 22:54

Lab File ID: VX026939.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.564		3.68	20
Chloromethane	0.506	0.538	0.1	6.32	20
Vinyl Chloride	0.529	0.566		6.99	20
Bromomethane	0.225	0.224		-0.44	20
Chloroethane	0.281	0.319		13.52	20
Trichlorofluoromethane	0.779	0.807		3.59	20
1,1,2-Trichlorotrifluoroethane	0.511	0.511		0	20
1,1-Dichloroethene	0.512	0.509		-0.59	20
Acetone	0.264	0.270		2.27	20
Carbon Disulfide	1.449	1.351		-6.76	20
Methyl tert-butyl Ether	1.811	1.780		-1.71	20
Methyl Acetate	0.758	0.745		-1.72	20
Methylene Chloride	0.571	0.581		1.75	20
trans-1,2-Dichloroethene	0.538	0.548		1.86	20
1,1-Dichloroethane	0.987	1.018	0.1	3.14	20
Cyclohexane	0.954	0.964		1.05	20
2-Butanone	0.425	0.444		4.47	20
Carbon Tetrachloride	0.493	0.490		-0.61	20
cis-1,2-Dichloroethene	0.618	0.643		4.05	20
Chloroform	1.026	1.043		1.66	20
1,1,1-Trichloroethane	0.905	0.919		1.55	20
Methylcyclohexane	0.576	0.583		1.22	20
Benzene	1.370	1.379		0.66	20
1,2-Dichloroethane	0.483	0.508		5.18	20
Trichloroethene	0.411	0.403		-1.95	20
1,2-Dichloropropane	0.347	0.355		2.31	20
Bromodichloromethane	0.459	0.491		6.97	20
4-Methyl-2-Pentanone	0.498	0.524		5.22	20
Toluene	0.867	0.881		1.62	20
t-1,3-Dichloropropene	0.446	0.498		11.66	20
cis-1,3-Dichloropropene	0.507	0.550		8.48	20
1,1,2-Trichloroethane	0.328	0.355		8.23	20
2-Hexanone	0.364	0.379		4.12	20
Dibromochloromethane	0.338	0.376		11.24	20
1,2-Dibromoethane	0.347	0.375		8.07	20
Tetrachloroethene	0.502	0.472		-5.98	20
Chlorobenzene	1.034	1.041	0.3	0.68	20
1,1,1,2-Tetrachloroethane	0.380	0.383		0.79	20
Ethyl Benzene	1.830	1.891		3.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 22:54

Lab File ID: VX026939.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.714		1.42	20
o-Xylene	0.690	0.693		0.44	20
Styrene	1.119	1.151		2.86	20
Bromoform	0.263	0.271	0.1	3.04	20
Isopropylbenzene	3.938	4.138		5.08	20
1,1,2,2-Tetrachloroethane	1.069	1.088	0.3	1.78	20
1,3-Dichlorobenzene	1.715	1.718		0.17	20
1,4-Dichlorobenzene	1.730	1.722		-0.46	20
1,2-Dichlorobenzene	1.655	1.667		0.73	20
1,2-Dibromo-3-Chloropropane	0.263	0.258		-1.9	20
1,2,4-Trichlorobenzene	1.045	1.062		1.63	20
1,2,3-Trichlorobenzene	1.058	1.066		0.76	20
1,2-Dichloroethane-d4	0.600	0.651		8.5	20
Dibromofluoromethane	0.298	0.309		3.69	20
Toluene-d8	1.093	1.194		9.24	20
4-Bromofluorobenzene	0.385	0.429		11.43	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2022 11:59

Lab File ID: VX026959.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.527		-3.13	20
Chloromethane	0.506	0.483	0.1	-4.55	20
Vinyl Chloride	0.529	0.510		-3.59	20
Bromomethane	0.225	0.215		-4.44	20
Chloroethane	0.281	0.297		5.69	20
Trichlorofluoromethane	0.779	0.748		-3.98	20
1,1,2-Trichlorotrifluoroethane	0.511	0.500		-2.15	20
1,1-Dichloroethene	0.512	0.473		-7.62	20
Acetone	0.264	0.314		18.94	20
Carbon Disulfide	1.449	1.295		-10.63	20
Methyl tert-butyl Ether	1.811	1.773		-2.1	20
Methyl Acetate	0.758	0.720		-5.01	20
Methylene Chloride	0.571	0.551		-3.5	20
trans-1,2-Dichloroethene	0.538	0.521		-3.16	20
1,1-Dichloroethane	0.987	0.973	0.1	-1.42	20
Cyclohexane	0.954	0.905		-5.14	20
2-Butanone	0.425	0.441		3.77	20
Carbon Tetrachloride	0.493	0.487		-1.22	20
cis-1,2-Dichloroethene	0.618	0.619		0.16	20
Chloroform	1.026	1.004		-2.14	20
1,1,1-Trichloroethane	0.905	0.868		-4.09	20
Methylcyclohexane	0.576	0.590		2.43	20
Benzene	1.370	1.370		0	20
1,2-Dichloroethane	0.483	0.512		6	20
Trichloroethene	0.411	0.402		-2.19	20
1,2-Dichloropropane	0.347	0.355		2.31	20
Bromodichloromethane	0.459	0.491		6.97	20
4-Methyl-2-Pentanone	0.498	0.506		1.61	20
Toluene	0.867	0.858		-1.04	20
t-1,3-Dichloropropene	0.446	0.516		15.69	20
cis-1,3-Dichloropropene	0.507	0.577		13.81	20
1,1,2-Trichloroethane	0.328	0.346		5.49	20
2-Hexanone	0.364	0.374		2.75	20
Dibromochloromethane	0.338	0.367		8.58	20
1,2-Dibromoethane	0.347	0.370		6.63	20
Tetrachloroethene	0.502	0.480		-4.38	20
Chlorobenzene	1.034	1.027	0.3	-0.68	20
1,1,1,2-Tetrachloroethane	0.380	0.392		3.16	20
Ethyl Benzene	1.830	1.858		1.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1467 SAS No.: N1467 SDG No.: N1467

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2022 11:59

Lab File ID: VX026959.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.702		-0.28	20
o-Xylene	0.690	0.683		-1.01	20
Styrene	1.119	1.138		1.7	20
Bromoform	0.263	0.281	0.1	6.84	20
Isopropylbenzene	3.938	3.996		1.47	20
1,1,2,2-Tetrachloroethane	1.069	1.083	0.3	1.31	20
1,3-Dichlorobenzene	1.715	1.737		1.28	20
1,4-Dichlorobenzene	1.730	1.739		0.52	20
1,2-Dichlorobenzene	1.655	1.698		2.6	20
1,2-Dibromo-3-Chloropropane	0.263	0.266		1.14	20
1,2,4-Trichlorobenzene	1.045	1.111		6.32	20
1,2,3-Trichlorobenzene	1.058	1.113		5.2	20
1,2-Dichloroethane-d4	0.600	0.573		-4.5	20
Dibromofluoromethane	0.298	0.284		-4.7	20
Toluene-d8	1.093	1.046		-4.3	20
4-Bromofluorobenzene	0.385	0.365		-5.2	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	N1467	**OrderDate:**	2/9/2022 2:05:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1467-01	**MW-30D**	**Water**			**02/08/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-02	**MW-30D**	**Water**			**02/08/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	
N1467-03	**MW-30S**	**Water**			**02/08/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-04	**MW-30S**	**Water**			**02/08/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	
N1467-05	**MW-8**	**Water**			**02/08/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-06	**MW-8**	**Water**			**02/08/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	
N1467-07	**MW-1D**	**Water**			**02/08/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-08	**MW-1D**	**Water**			**02/08/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	
N1467-09	**MW-23S**	**Water**			**02/09/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/16/22	
N1467-10	**MW-23S**	**Water**			**02/09/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/16/22	
N1467-11	**MW-23D**	**Water**			**02/09/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-12	**MW-23D**	**Water**			**02/09/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	

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LAB CHRONICLE

N1467-13	**MW-1DD**	**Water**			**02/09/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-14	**MW-1DD**	**Water**			**02/09/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	
N1467-15	**MW-1**	**Water**			**02/09/22**			**02/09/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1467-16	**MW-1**	**Water**			**02/09/22**			**02/09/22**
			Dissolved ICP-Group2	6010D		02/15/22	02/15/22	

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Hit Summary Sheet
SW-846

SDG No.: N1467 **Order ID:** N1467

Client: Envirotrac Environmental Services Ltd. **Project ID:** NYSDEC Crown Dykman – Glen Cove

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-30D								
N1467-01	MW-30D	Water	Iron	1,500.000		9.31	50.0	ug/L
N1467-01	MW-30D	Water	Manganese	5,800.000		0.85	10.0	ug/L
N1467-01	MW-30D	Water	Sodium	37,000.000		167	1000	ug/L
Client ID : MW-30D								
N1467-02	MW-30D	Water	Iron	28.700	J	9.31	50.0	ug/L
N1467-02	MW-30D	Water	Manganese	5,680.000		0.85	10.0	ug/L
Client ID : MW-30S								
N1467-03	MW-30S	Water	Iron	7,410.000		9.31	50.0	ug/L
N1467-03	MW-30S	Water	Manganese	8,770.000		0.85	10.0	ug/L
N1467-03	MW-30S	Water	Sodium	54,300.000		167	1000	ug/L
Client ID : MW-30S								
N1467-04	MW-30S	Water	Iron	19.500	J	9.31	50.0	ug/L
N1467-04	MW-30S	Water	Manganese	8,850.000		0.85	10.0	ug/L
Client ID : MW-8								
N1467-05	MW-8	Water	Iron	42,200.000		9.31	50.0	ug/L
N1467-05	MW-8	Water	Manganese	1,520.000		0.85	10.0	ug/L
N1467-05	MW-8	Water	Sodium	15,900.000		167	1000	ug/L
Client ID : MW-8								
N1467-06	MW-8	Water	Iron	2,880.000		9.31	50.0	ug/L
N1467-06	MW-8	Water	Manganese	1,640.000		0.85	10.0	ug/L
Client ID : MW-1D								
N1467-07	MW-1D	Water	Iron	2,250.000		9.31	50.0	ug/L
N1467-07	MW-1D	Water	Manganese	5,050.000		0.85	10.0	ug/L
N1467-07	MW-1D	Water	Sodium	32,600.000		167	1000	ug/L
Client ID : MW-1D								
N1467-08	MW-1D	Water	Iron	14.600	J	9.31	50.0	ug/L
N1467-08	MW-1D	Water	Manganese	5,080.000		0.85	10.0	ug/L
Client ID : MW-23S								
N1467-09	MW-23S	Water	Manganese	2,440.000		0.85	10.0	ug/L
N1467-09	MW-23S	Water	Sodium	30,600.000		167	1000	ug/L
Client ID : MW-23S								
N1467-10	MW-23S	Water	Iron	16.600	J	9.31	50.0	ug/L
N1467-10	MW-23S	Water	Manganese	2,200.000		0.85	10.0	ug/L

Hit Summary Sheet
SW-846

SDG No.: N1467 **Order ID:** N1467

Client: Envirotrac Environmental Services Ltd. **Project ID:** NYSDEC Crown Dykman – Glen Cove

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-23D								
N1467-11	MW-23D	Water	Iron	636.000		9.31	50.0	ug/L
N1467-11	MW-23D	Water	Manganese	175.000		0.85	10.0	ug/L
N1467-11	MW-23D	Water	Sodium	49,500.000		167	1000	ug/L
Client ID : MW-23D								
N1467-12	MW-23D	Water	Iron	23.800	J	9.31	50.0	ug/L
N1467-12	MW-23D	Water	Manganese	183.000		0.85	10.0	ug/L
Client ID : MW-1DD								
N1467-13	MW-1DD	Water	Iron	6,060.000		9.31	50.0	ug/L
N1467-13	MW-1DD	Water	Manganese	8,590.000		0.85	10.0	ug/L
N1467-13	MW-1DD	Water	Sodium	21,200.000		167	1000	ug/L
Client ID : MW-1DD								
N1467-14	MW-1DD	Water	Iron	1,270.000		9.31	50.0	ug/L
N1467-14	MW-1DD	Water	Manganese	8,120.000		0.85	10.0	ug/L
Client ID : MW-1								
N1467-15	MW-1	Water	Iron	249.000		9.31	50.0	ug/L
N1467-15	MW-1	Water	Manganese	3,460.000		0.85	10.0	ug/L
N1467-15	MW-1	Water	Sodium	31,300.000		167	1000	ug/L
Client ID : MW-1								
N1467-16	MW-1	Water	Iron	15.300	J	9.31	50.0	ug/L
N1467-16	MW-1	Water	Manganese	3,450.000		0.85	10.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30D	SDG No.:	N1467
Lab Sample ID:	N1467-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	1500		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:00	SW6010
7439-96-5	Manganese	5800		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:00	SW6010
7440-23-5	Sodium	37000		1	167	1000	ug/L	02/15/22 11:50	02/15/22 18:00	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30D	SDG No.:	N1467
Lab Sample ID:	N1467-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	28.7	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:04	SW6010
7439-96-5	Manganese	5680		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:04	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30S	SDG No.:	N1467
Lab Sample ID:	N1467-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	7410		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:08	SW6010
7439-96-5	Manganese	8770		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:08	SW6010
7440-23-5	Sodium	54300		1	167	1000	ug/L	02/15/22 11:50	02/15/22 18:08	SW6010

Color Before:	Yellow	Clarity Before:	Cloudy	Texture:	
Color After:	Light Yellow	Clarity After:	Cloudy	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-30S	SDG No.:	N1467
Lab Sample ID:	N1467-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	19.5	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:26	SW6010
7439-96-5	Manganese	8850		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:26	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8	SDG No.:	N1467
Lab Sample ID:	N1467-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	42200		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:30	SW6010
7439-96-5	Manganese	1520		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:30	SW6010
7440-23-5	Sodium	15900		1	167	1000	ug/L	02/15/22 11:50	02/15/22 18:30	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-8	SDG No.:	N1467
Lab Sample ID:	N1467-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	2880		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:34	SW6010
7439-96-5	Manganese	1640		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:34	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1D	SDG No.:	N1467
Lab Sample ID:	N1467-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	2250		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:38	SW6010
7439-96-5	Manganese	5050		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:38	SW6010
7440-23-5	Sodium	32600		1	167	1000	ug/L	02/15/22 11:50	02/15/22 18:38	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/08/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1D	SDG No.:	N1467
Lab Sample ID:	N1467-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	14.6	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 18:42	SW6010
7439-96-5	Manganese	5080		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 18:42	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23S	SDG No.:	N1467
Lab Sample ID:	N1467-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	50.0	U	1	9.31	50.0	ug/L	02/15/22 11:50	02/16/22 16:59	SW6010
7439-96-5	Manganese	2440		1	0.85	10.0	ug/L	02/15/22 11:50	02/16/22 16:59	SW6010
7440-23-5	Sodium	30600		1	167	1000	ug/L	02/15/22 11:50	02/16/22 16:59	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23S	SDG No.:	N1467
Lab Sample ID:	N1467-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	16.6	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/16/22 17:02	SW6010
7439-96-5	Manganese	2200		1	0.85	10.0	ug/L	02/15/22 11:50	02/16/22 17:02	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23D	SDG No.:	N1467
Lab Sample ID:	N1467-11	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	636		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:02	SW6010
7439-96-5	Manganese	175		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:02	SW6010
7440-23-5	Sodium	49500		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:02	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-23D	SDG No.:	N1467
Lab Sample ID:	N1467-12	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	23.8	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:06	SW6010
7439-96-5	Manganese	183		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:06	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DD	SDG No.:	N1467
Lab Sample ID:	N1467-13	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	6060		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:10	SW6010
7439-96-5	Manganese	8590		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:10	SW6010
7440-23-5	Sodium	21200		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:10	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Light yellow	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1DD	SDG No.:	N1467
Lab Sample ID:	N1467-14	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	1270		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:14	SW6010
7439-96-5	Manganese	8120		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:14	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1	SDG No.:	N1467
Lab Sample ID:	N1467-15	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	249		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:18	SW6010
7439-96-5	Manganese	3460		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:18	SW6010
7440-23-5	Sodium	31300		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:18	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/09/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/09/22
Client Sample ID:	MW-1	SDG No.:	N1467
Lab Sample ID:	N1467-16	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	15.3	J	1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:22	SW6010
7439-96-5	Manganese	3450		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:22	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10100	10000	101	90 - 110	P	02/15/2022	16:12	LB118685
	Manganese	538	520	104	90 - 110	P	02/15/2022	16:12	LB118685
	Sodium	9680	10000	97	90 - 110	P	02/15/2022	16:12	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	107	100	106	80 - 120	P	02/15/2022	16:17	LB118685
	Manganese	23.1	20.0	116	80 - 120	P	02/15/2022	16:17	LB118685
	Sodium	1960	2000	98	80 - 120	P	02/15/2022	16:17	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4880	5000	98	90 - 110	P	02/15/2022	16:53	LB118685
	Manganese	2470	2500	99	90 - 110	P	02/15/2022	16:53	LB118685
	Sodium	24500	25000	98	90 - 110	P	02/15/2022	16:53	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	117	100	117	80 - 120	P	02/15/2022	16:57	LB118685
	Manganese	23.5	20.0	117	80 - 120	P	02/15/2022	16:57	LB118685
	Sodium	1880	2000	94	80 - 120	P	02/15/2022	16:57	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	4960	5000	99	90 - 110	P	02/15/2022	17:45	LB118685
	Manganese	2460	2500	98	90 - 110	P	02/15/2022	17:45	LB118685
	Sodium	24400	25000	98	90 - 110	P	02/15/2022	17:45	LB118685
CCV03	Iron	4690	5000	94	90 - 110	P	02/15/2022	18:46	LB118685
	Manganese	2400	2500	96	90 - 110	P	02/15/2022	18:46	LB118685
	Sodium	23300	25000	93	90 - 110	P	02/15/2022	18:46	LB118685
CCV04	Iron	4590	5000	92	90 - 110	P	02/15/2022	19:33	LB118685
	Manganese	2380	2500	95	90 - 110	P	02/15/2022	19:33	LB118685
	Sodium	22700	25000	91	90 - 110	P	02/15/2022	19:33	LB118685
CCV05	Iron	4730	5000	95	90 - 110	P	02/15/2022	20:21	LB118685
	Manganese	2320	2500	93	90 - 110	P	02/15/2022	20:21	LB118685
	Sodium	24300	25000	97	90 - 110	P	02/15/2022	20:21	LB118685
CCV06	Iron	4460	5000	89	90 - 110	P	02/15/2022	21:23	LB118685
	Manganese	2420	2500	97	90 - 110	P	02/15/2022	21:23	LB118685
	Sodium	22300	25000	89	90 - 110	P	02/15/2022	21:23	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10400	10000	104	95 - 105	P	02/16/2022	16:11	LB118707
	Manganese	544	520	105	95 - 105	P	02/16/2022	16:11	LB118707
	Sodium	9910	10000	99	95 - 105	P	02/16/2022	16:11	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	93.6	100	94	80 - 120	P	02/16/2022	16:19	LB118707
	Manganese	22.2	20.0	111	80 - 120	P	02/16/2022	16:19	LB118707
	Sodium	1990	2000	99	80 - 120	P	02/16/2022	16:19	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4850	5000	97	90 - 110	P	02/16/2022	16:47	LB118707
	Manganese	2460	2500	98	90 - 110	P	02/16/2022	16:47	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	16:47	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	82.1	100	82	80 - 120	P	02/16/2022	16:50	LB118707
	Manganese	22.1	20.0	110	80 - 120	P	02/16/2022	16:50	LB118707
	Sodium	1900	2000	95	80 - 120	P	02/16/2022	16:50	LB118707

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5000	5000	100	90 - 110	P	02/16/2022	17:52	LB118707
	Manganese	2430	2500	97	90 - 110	P	02/16/2022	17:52	LB118707
	Sodium	24800	25000	99	90 - 110	P	02/16/2022	17:52	LB118707
CCV03	Iron	5260	5000	105	90 - 110	P	02/16/2022	18:46	LB118707
	Manganese	2590	2500	104	90 - 110	P	02/16/2022	18:46	LB118707
	Sodium	24500	25000	98	90 - 110	P	02/16/2022	18:46	LB118707
CCV04	Iron	5190	5000	104	90 - 110	P	02/16/2022	19:33	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	19:33	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	19:33	LB118707
CCV05	Iron	5100	5000	102	90 - 110	P	02/16/2022	20:19	LB118707
	Manganese	2470	2500	99	90 - 110	P	02/16/2022	20:19	LB118707
	Sodium	24400	25000	98	90 - 110	P	02/16/2022	20:19	LB118707
CCV06	Iron	5110	5000	102	90 - 110	P	02/16/2022	21:07	LB118707
	Manganese	2520	2500	101	90 - 110	P	02/16/2022	21:07	LB118707
	Sodium	24300	25000	97	90 - 110	P	02/16/2022	21:07	LB118707

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	106	100	106	40 - 160	P	02/15/2022	16:41	LB118685
	Manganese	23.1	20.0	116	40 - 160	P	02/15/2022	16:41	LB118685
	Sodium	1930	2000	97	40 - 160	P	02/15/2022	16:41	LB118685
CRI01	Iron	90.7	100	91	40 - 160	P	02/16/2022	16:27	LB118707
	Manganese	22.0	20.0	110	40 - 160	P	02/16/2022	16:27	LB118707
	Sodium	1930	2000	96	40 - 160	P	02/16/2022	16:27	LB118707

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/15/2022	16:20	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	16:20	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	16:20	LB118685

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/15/2022	17:01	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:01	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:01	LB118685
CCB02	Iron	100	+/-100	U	100	P	02/15/2022	17:48	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:48	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:48	LB118685
CCB03	Iron	100	+/-100	U	100	P	02/15/2022	18:50	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	18:50	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	18:50	LB118685
CCB04	Iron	100	+/-100	U	100	P	02/15/2022	19:37	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	19:37	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	19:37	LB118685
CCB05	Iron	100	+/-100	U	100	P	02/15/2022	20:25	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	20:25	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	20:25	LB118685
CCB06	Iron	100	+/-100	U	100	P	02/15/2022	21:27	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	21:27	LB118685
	Sodium	1820	+/-2000	J	2000	P	02/15/2022	21:27	LB118685

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/16/2022	16:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:23	LB118707

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/16/2022	16:54	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	16:54	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	16:54	LB118707
CCB02	Iron	100	+/-100	U	100	P	02/16/2022	17:55	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	17:55	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	17:55	LB118707
CCB03	Iron	100	+/-100	U	100	P	02/16/2022	18:50	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	18:50	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	18:50	LB118707
CCB04	Iron	100	+/-100	U	100	P	02/16/2022	19:36	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	19:36	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	19:36	LB118707
CCB05	Iron	100	+/-100	U	100	P	02/16/2022	20:23	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	20:23	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	20:23	LB118707
CCB06	Iron	100	+/-100	U	100	P	02/16/2022	21:11	LB118707
	Manganese	20.0	+/-20.0	U	20.0	P	02/16/2022	21:11	LB118707
	Sodium	2000	+/-2000	U	2000	P	02/16/2022	21:11	LB118707

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB142597BL		**WATER**		**Batch Number:**	**PB142597**		**Prep Date:**	**02/15/2022**	
	Iron	50.0	<50.0	U	50.0	P	02/15/2022	17:52	LB118685
	Manganese	10.0	<10.0	U	10.0	P	02/15/2022	17:52	LB118685
	Sodium	1000	<1000	U	1000	P	02/15/2022	17:52	LB118685

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	96800	100000	97	85000	120000	02/15/2022	16:45	LB118685
	Manganese	11.1	7.0	159	-13	27	02/15/2022	16:45	LB118685
	Sodium	-136			0	0	02/15/2022	16:45	LB118685
ICSAB01	Iron	93200	99000	94	84000	110000	02/15/2022	16:49	LB118685
	Manganese	481	510	94	430	590	02/15/2022	16:49	LB118685
	Sodium	-145			0	0	02/15/2022	16:49	LB118685
ICSA01	Iron	95400	100000	95	85000	120000	02/16/2022	16:31	LB118707
	Manganese	14.0	7.0	200	-13	27	02/16/2022	16:31	LB118707
	Sodium	-105			0	0	02/16/2022	16:31	LB118707
ICSAB01	Iron	89900	99000	91	84000	110000	02/16/2022	16:35	LB118707
	Manganese	519	510	102	430	590	02/16/2022	16:35	LB118707
	Sodium	-142			0	0	02/16/2022	16:35	LB118707

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1467

contract: ENVI27 **lab code:** CHEM **case no.:** N1467 **sas no.:** N1467

matrix: Water **sample id:** N1497-03 **client id:** MW-5MS

Percent Solids for Sample: NA **Spiked ID:** N1497-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	6100		4660		1500	96		P
Manganese	ug/L	75 - 125	1290		1220		100	68		P
Sodium	ug/L	75 - 125	153000		147000		1500	434		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1467

contract: ENVI27 **lab code:** CHEM **case no.:** N1467 **sas no.:** N1467

matrix: Water **sample id:** N1497-03 **client id:** MW-5MSD

Percent Solids for Sample: NA **Spiked ID:** N1497-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	6270		4660		1500	107		P
Manganese	ug/L	75 - 125	1330		1220		100	104		P
Sodium	ug/L	75 - 125	155000		147000		1500	569		P

CHEMTECH

Metals
- 5b -

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Matrix: Water **Sample ID:** N1497-03 **Client ID:** MW-5DUP

Percent Solids for Sample: NA **Duplicate ID** N1497-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	4660		4740		2		P
Manganese	ug/L	20	1220		1220		0		P
Sodium	ug/L	20	147000		151000		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Matrix: Water **Sample ID:** N1497-04 **Client ID:** MW-5MSD

Percent Solids for Sample: NA **Duplicate ID** N1497-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	6100		6270		3		P
Manganese	ug/L	20	1290		1330		3		P
Sodium	ug/L	20	153000		155000		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB142597BS							
Iron	ug/L	1500	1470		98	80 - 120	P
Manganese	ug/L	100	101		101	80 - 120	P
Sodium	ug/L	1500	1430		95	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-5L

Lab Name: Chemtech Consulting Group **Contract:** ENVI27

Lab Code: CHEM **Lb No.:** lb118685 **Lab Sample ID :** N1497-03L **SDG No.:** N1467

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	4660		4660		0		P
Manganese	1220		1260		4		P
Sodium	147000		143000		3		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0021660
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0009350	0.0000000	0.0000000	-0.0037480
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0016160	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1467 **SAS No.:** N1467

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0016400
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1467

Contract: ENVI27 **Lab Code:** CHEM **Method:**

Case No.: N1467 **SAS No.:** N1467

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB142597**						
N1467-01	MW-30D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-02	MW-30D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-03	MW-30S	SAM	WATER	02/15/2022	50.0	25.0	
N1467-04	MW-30S	SAM	WATER	02/15/2022	50.0	25.0	
N1467-05	MW-8	SAM	WATER	02/15/2022	50.0	25.0	
N1467-06	MW-8	SAM	WATER	02/15/2022	50.0	25.0	
N1467-07	MW-1D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-08	MW-1D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-09	MW-23S	SAM	WATER	02/15/2022	50.0	25.0	
N1467-10	MW-23S	SAM	WATER	02/15/2022	50.0	25.0	
N1467-11	MW-23D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-12	MW-23D	SAM	WATER	02/15/2022	50.0	25.0	
N1467-13	MW-1DD	SAM	WATER	02/15/2022	50.0	25.0	
N1467-14	MW-1DD	SAM	WATER	02/15/2022	50.0	25.0	
N1467-15	MW-1	SAM	WATER	02/15/2022	50.0	25.0	
N1467-16	MW-1	SAM	WATER	02/15/2022	50.0	25.0	
N1497-03DUP	MW-5DUP	DUP	WATER	02/15/2022	50.0	25.0	
N1497-04	MW-5MS	MS	WATER	02/15/2022	50.0	25.0	
N1497-05	MW-5MSD	MSD	WATER	02/15/2022	50.0	25.0	
PB142597BL	PB142597BL	MB	WATER	02/15/2022	50.0	25.0	
PB142597BS	PB142597BS	LCS	WATER	02/15/2022	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1467 **Sas no.:** N1467 **Sdg no.:** N1467

Instrument id number: **Method:** **Run number:** LB118685

Start date: 02/15/2022 **End date:** 02/15/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1533	Fe,Mn,Na
S1	S1	1	1537	Fe,Mn,Na
S2	S2	1	1541	Fe,Mn,Na
S3	S3	1	1545	Fe,Mn,Na
S4	S4	1	1549	Fe,Mn,Na
S5	S5	1	1552	Fe,Mn,Na
ICV01	ICV01	1	1612	Fe,Mn,Na
LLICV01	LLICV01	1	1617	Fe,Mn,Na
ICB01	ICB01	1	1620	Fe,Mn,Na
CRI01	CRI01	1	1641	Fe,Mn,Na
ICSA01	ICSA01	1	1645	Fe,Mn,Na
ICSAB01	ICSAB01	1	1649	Fe,Mn,Na
CCV01	CCV01	1	1653	Fe,Mn,Na
LLCCV01	LLCCV01	1	1657	Fe,Mn,Na
CCB01	CCB01	1	1701	Fe,Mn,Na
CCV02	CCV02	1	1745	Fe,Mn,Na
CCB02	CCB02	1	1748	Fe,Mn,Na
PB142597BL	PB142597BL	1	1752	Fe,Mn,Na
PB142597BS	PB142597BS	1	1756	Fe,Mn,Na
N1467-01	MW-30D	1	1800	Fe,Mn,Na
N1467-02	MW-30D	1	1804	Fe,Mn
N1467-03	MW-30S	1	1808	Fe,Mn,Na
N1467-04	MW-30S	1	1826	Fe,Mn
N1467-05	MW-8	1	1830	Fe,Mn,Na
N1467-06	MW-8	1	1834	Fe,Mn
N1467-07	MW-1D	1	1838	Fe,Mn,Na
N1467-08	MW-1D	1	1842	Fe,Mn
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
N1467-11	MW-23D	1	1902	Fe,Mn,Na
N1467-12	MW-23D	1	1906	Fe,Mn
N1467-13	MW-1DD	1	1910	Fe,Mn,Na
N1467-14	MW-1DD	1	1914	Fe,Mn
N1467-15	MW-1	1	1918	Fe,Mn,Na
N1467-16	MW-1	1	1922	Fe,Mn
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1937	Fe,Mn,Na
N1497-03DUP	MW-5DUP	1	1945	Fe,Mn,Na
N1497-03L	MW-5L	5	1950	Fe,Mn,Na
N1497-04	MW-5MS	1	1954	Fe,Mn,Na
N1497-05	MW-5MSD	1	1957	Fe,Mn,Na
CCV05	CCV05	1	2021	Fe,Mn,Na
CCB05	CCB05	1	2025	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1467 **Sas no.:** N1467 **Sdg no.:** N1467

Instrument id number: **Method:** **Run number:** LB118685

Start date: 02/15/2022 **End date:** 02/15/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV06	CCV06	1	2123	Fe,Mn,Na
CCB06	CCB06	1	2127	Fe,Mn,Na

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1467 **Sas no.:** N1467 **Sdg no.:** N1467

Instrument id number: **Method:** **Run number:** LB118707

Start date: 02/16/2022 **End date:** 02/16/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1548	Fe,Mn,Na
S1	S1	1	1552	Fe,Mn,Na
S2	S2	1	1556	Fe,Mn,Na
S3	S3	1	1600	Fe,Mn,Na
S4	S4	1	1604	Fe,Mn,Na
S5	S5	1	1607	Fe,Mn,Na
ICV01	ICV01	1	1611	Fe,Mn,Na
LLICV01	LLICV01	1	1619	Fe,Mn,Na
ICB01	ICB01	1	1623	Fe,Mn,Na
CRI01	CRI01	1	1627	Fe,Mn,Na
ICSA01	ICSA01	1	1631	Fe,Mn,Na
ICSAB01	ICSAB01	1	1635	Fe,Mn,Na
CCV01	CCV01	1	1647	Fe,Mn,Na
LLCCV01	LLCCV01	1	1650	Fe,Mn,Na
CCB01	CCB01	1	1654	Fe,Mn,Na
N1467-09	MW-23S	1	1659	Fe,Mn,Na
N1467-10	MW-23S	1	1702	Fe,Mn
CCV02	CCV02	1	1752	Fe,Mn,Na
CCB02	CCB02	1	1755	Fe,Mn,Na
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1936	Fe,Mn,Na
CCV05	CCV05	1	2019	Fe,Mn,Na
CCB05	CCB05	1	2023	Fe,Mn,Na
CCV06	CCV06	1	2107	Fe,Mn,Na
CCB06	CCB06	1	2111	Fe,Mn,Na

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: U1467-U1468
COC Number: 2025784

CLIENT INFORMATION

Report to be sent to:
COMPANY: Envirotrac LTD.
ADDRESS: 5 Old Dock Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Rose
PHONE: (631)924-3001 FAX:

PROJECT INFORMATION

PROJECT NAME: NYSDEC - Crown Dykman
PROJECT #: LOCATION: Glen Cove
PROJECT MANAGER: Mike Rose
E-MAIL: MikeR@Envirotrac.com
PHONE: FAX:

BILLING INFORMATION

BILL TO: Envirotrac LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT _____
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ US EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other _____

ANALYSIS

1 VOCs 524.2 8260
2 Metals
3 TCL/TAL NA
4 Dissolved
5 TPH MW 8015
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW#30D	GW		X	2/9/22	11:15	7	2	2				3				
2.	MW#30S	GW		X	2/9/22	12:00	6	2	2				2				
3.	MW#6	GW		X	2/9/22	13:25	6	2	2				2				
4.	MW#1D	GW		X	2/9/22	10:42	6	2	2				2				
5.	MW#23S	GW		X	2/9/22	9:10	7	2	2				3				
6.	MW#23D	GW		X	2/9/22	9:13	6	2	2				2				
7.	MW#10D	GW		X	2/9/22	12:51	7	2	2				3				
8.	MW#1	GW		X	2/9/22	12:50	6	2	2				2				
9.																	
10.																	

<2—Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	DATE/TIME
1.	2/9/22 1400	1.	2-9-22 1400
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	2-9-22 1715	3. SB	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.4
Comments: Metals To Be lab filtered
Vials in CSM Frig @1740

Page _____ of _____
CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up
Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Monday, March 14, 2022 9:46 AM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat'
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.
Attachments: template01_sm_fb_transparent_de75ee56-3edb-425c-9bf8-c5915b5f3aee1111111.png; template01 _sm_linkedin_transparent_f8a963bb-7390-4940-9516-8d79f706c1f11111111.png; emaillogo_2b71093e-2153-4477-9927-29ea5e0e9a92.png

Understood.

From: Samantha Beazley <Samantha@chemtech.net>
Sent: Thursday, March 10, 2022 1:02 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Good afternoon,

Going through this list of requests please confirm the below from our QC department in order for the lab to report the VOC analytes listed.

N1429, N1438 : Blank Spike Recovery 130% for Acetone is outside the QC limit 60-125%. All other associated QCs are within the Limits.

N1541 VOC : Blank Spike Duplicate Recovery 139% for Bromomethane is outside the QC limit 55-134%. Also associated CCV of sample N1541-05DL dilution has Acetone %D (25.7%) is outside the QC limit (20%). All other associated QCs are within the Limits.

Respectfully,

Samantha Beazley
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3148
samantha@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your Feedback

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Wednesday, March 9, 2022 3:53 PM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: FW: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Sam –

Please review the email below received by the Crown Dykman engineer regarding analytical inconsistences. I'm hoping these can be addressed ASAP.

Michael Rose, PE

Senior Engineer

EnviroTrac Ltd.
phone: 631.924.3001 | mobile: 631.433.8883 | email: miker@envirotrac.com
5 Old Dock Road Yaphank, NY 11980 | https://envirotrac.com

From: Farris, Kathryn <Kathryn.Farris@arcadis.com>
Sent: Wednesday, March 09, 2022 1:58 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: Minehardt, Todd A. <Todd.Minehardt@arcadis.com>; Hiss, David <David.Hiss@arcadis.com>
Subject: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Mike,

As per call – Please see below for the inconsistencies with the lab data:

- MW-10D-20220209 (Lab ID - N1467-13) should be MW-1DD-20220209
  - Double check lab IDs I think MW-04R or MW-05R may not have been appropriately labeled as well.
  - PFAS reports would also need to be reissued with correct names.
- Groundwater VOC analyte list is incomplete – it appears that lab analyzed for the effluent list, and compared values to wastewater limits.
  - I have included what VOCs we have previously reported at the bottom of this email.
- 2 of 4 PFAS reports do not include a full list of PFAS compounds (we had specified they include the 21 PFAS list from DEC Sampling from 2019 document 1*,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs*
  - Data packages that include MW-01, 015, 01DD, 05R, 07S, 07D, 08, 23d, 23s, 30d and 30s are incomplete.
- 6/11 submitted reports do not include NYSDEC EquIS packages – 01 45 29.13-3 specifies the requirements for EDDs.

Order_ID	Status	No. of Samples	Received On	Collected On	NYSDEC EDDs
N1429	Completed	8	2/7/2022	2/7/2022	N
N1430	Completed	4	2/7/2022	2/7/2022	Y
N1438	Completed	4	2/8/2022	2/8/2022	N
N1439	Completed	2	2/8/2022	2/8/2022	Y
N1467	Completed	8	2/8/2022	2/8/2022	N
N1468	Completed	4	2/8/2022	2/8/2022	Y
N1468	Completed	4	2/9/2022	2/9/2022	N
N1497	Completed	11	2/10/2022	2/10/2022	N
N1498	Completed	3	2/10/2022	2/10/2022	N

N1541	Completed	6	2/14/2022	2/14/2022	Y
N1542	Completed	3	2/14/2022	2/14/2022	Y

This is what I found while looking through the Groundwater Sampling results. It is not an exhaustive list of edits.

Thanks,
Kathryn

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-Pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane

Dichlorodifluoromethane
Ethyl Benzene
Isopropylbenzene
Methyl Acetate
Methyl tert-butyl Ether
Methylcyclohexane
Methylene Chloride
Styrene
Tert-Butyl Methyl Ether
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylene (Total)
Total TICs

Kathryn Farris (she/her)
Project Environmental Specialist
Arcadis New York Inc.
855 Route 146 Suite 210 | Clifton Park, NY | 12065 | USA
T +1 518 250 7389
M +1 610 739 7860
www.arcadis.com



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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : N1467 ENVI27
Client Name : Envirotrac Environmental S
Client Contact : Mike Rose
Invoice Name : Envirotrac Environmental S
Invoice Contact : Mike Rose

Order Date : 2/9/2022 2:05:00 PM
Project Name : NYSDEC Crown Dykman -
Receive DateTime : 2/9/2022 ~~12:00:00 AM~~ 5:15pm SB 2-14-22
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
N1467-01	MW-30D	Water	02/08/2022	11:15					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-03	MW-30S	Water	02/08/2022	12:00					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-05	MW-8	Water	02/09/2022	13:25					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-07	MW-1D	Water	02/09/2022	10:42					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-09	MW-23S	Water	02/09/2022	09:10					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-11	MW-23D	Water	02/09/2022	09:13					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-13	MW-10D	Water	02/09/2022	12:51					
					VOCMS Group1		8260-Low	5 Bus. Days	
N1467-15	MW-1	Water	02/09/2022	12:50					
					VOCMS Group1		8260-Low	5 Bus. Days	

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	N1467 ENVI27	**Order Date :**	2/9/2022 2:05:00 PM	**Project Mgr :**	
Client Name :	Envirotrac Environmental S	**Project Name :**	NYSDEC Crown Dykman -	**Report Type :**	NYS ASP B
Client Contact :	Mike Rose	**Receive DateTime :**	2/9/2022 ~~12:00:00 AM~~ 5:15pm SB 2-14-22	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Envirotrac Environmental S	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mike Rose			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 2/10/22 9:34

Received By : _____
Date / Time : 02/10/22

Storage Area : VOA Refridgerator Room 9:34

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-72643-1
Client Project/Site: Non-DOD - NY
Revision: 1

For:
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

Attn: Ms. Samantha Beazley

Elizabeth M. Zanar

Authorized for release by:
3/14/2022 5:22:45 PM

Elizabeth Zanar, Project Manager
(717)556-7290
Elizabeth.Zanar@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Elizabeth M. Zanar

Elizabeth Zanar
Project Manager
3/14/2022 5:22:45 PM

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-72643-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-72643-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 2/17/2022. The report (revision 1) is being revised due to: The sample ID for 410-75643-7 (MW-10D) was incorrect on the original COC. The client provided an updated COC with MW-1DD. The analyte list was updated to the NY DOH list of 21 compounds per client request.

Receipt
The samples were received on 2/11/2022 11:24 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

LCMS
Method 537 (modified): Reporting limits were raised for the following sample: MW-8 (410-72643-3) due to interference from the sample matrix.

Method 537 (mod) NJ: A field reagent blank was not submitted for the following samples: MW-30D (410-72643-1), MW-30S (410-72643-2), MW-8 (410-72643-3), MW-1D (410-72643-4), MW-23S (410-72643-5), MW-23D (410-72643-6), MW-1DD (410-72643-7) and MW-1 (410-72643-8).

Method 537 (mod) NJ: Due to the nature of the sample matrix, a reduced aliquot was used for sample preparation for the following sample: MW-8 (410-72643-3).

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

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

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-30D — Lab Sample ID: 410-72643-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	5.3		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	4.6		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	18		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	1.7		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	1.6		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	4.8		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	3.6		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	48		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	2.1	J	2.4	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	3.4		1.6	0.49	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	0.51	J	1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	1.0	J	1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	7.1		4.1	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	5.4		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-30S — Lab Sample ID: 410-72643-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	4.8		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	4.1		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	15		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	2.7		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	1.0	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	1.4	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	1.5	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	27		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	0.55	J	1.7	0.50	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	1.1	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	8.6		4.2	1.7	ng/L	1		EPA 537 (Mod)	Total/NA
6:2 Fluorotelomer sulfonic acid	13		4.2	1.7	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	6.9		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 410-72643-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	17	J I cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	15	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	69	cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	15	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	6.1	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	8.6	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	18	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	1200	cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	19	J cn	30	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	11	J cn	20	5.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	12	J cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	50	cn	49	20	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	44	cn	20	4.9	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-1D — Lab Sample ID: 410-72643-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	6.8		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	34		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	2.0		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	1.2	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	7.2		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	3.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	67		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	0.86	J	2.4	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	1.9		1.6	0.48	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	0.80	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	0.68	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	9.0		4.0	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	11		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-23S — Lab Sample ID: 410-72643-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.1		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	5.7		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	15		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	1.8		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	1.9		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	10		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	3.7		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	47		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	0.55	J	2.6	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	2.3		1.7	0.52	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	0.49	J	1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	0.79	J	1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	7.6		4.3	1.7	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroundecanoic acid	0.63	J	1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	6.9		1.7	0.43	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-23D — Lab Sample ID: 410-72643-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	10		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	11		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	47		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	5.1		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	7.1		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	13		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	6.9		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	95		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	1.4	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	1.2	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	16		4.2	1.7	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroundecanoic acid	0.98	J	1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	9.9		1.7	0.42	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-1DD — Lab Sample ID: 410-72643-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	8.4		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	71		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	2.1		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	0.97	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	2.7		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	5.4		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	130		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	0.62	J	2.4	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	1.5	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	5.1		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	7.8		4.0	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	8.0		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 410-72643-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	13		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	10		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	29		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	1.7	I	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	0.47	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	9.2		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	5.4		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	26		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	0.57	J	1.6	0.48	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	0.58	J	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	14		4.0	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	13		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-30D

Date Collected: 02/08/22 11:15
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-1

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	5.3		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluoroheptanoic acid	4.6		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorooctanoic acid	18		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorononanoic acid	1.7		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorodecanoic acid	1.6		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorotridecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorotetradecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorobutanesulfonic acid	4.8		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorohexanesulfonic acid	3.6		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorooctanesulfonic acid	48		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
NEtFOSAA	2.1	J	2.4	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
NMeFOSAA	3.4		1.6	0.49	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluoroheptanesulfonic acid	0.51	J	1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorodecanesulfonic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorooctanesulfonamide	1.0	J	1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorobutanoic acid	7.1		4.1	1.6	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluoroundecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluorododecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1
6:2 Fluorotelomer sulfonic acid	ND		4.1	1.6	ng/L		02/14/22 16:55	02/17/22 10:45	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.81	ng/L		02/14/22 16:55	02/17/22 10:45	1
Perfluoropentanoic acid	5.4		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 10:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*107*		*33 - 200*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
M2-6:2 FTS	*120*		*17 - 200*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C5 PFHxA	*90*		*24 - 179*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C4 PFHpA	*95*		*31 - 182*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C8 PFOA	*88*		*48 - 162*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C9 PFNA	*82*		*51 - 167*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C6 PFDA	*81*		*49 - 163*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C7 PFUnA	*78*		*34 - 174*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C2-PFDoDA	*78*		*17 - 176*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C2 PFTeDA	*76*		*10 - 179*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C3 PFBS	*96*		*16 - 200*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C3 PFHxS	*89*		*28 - 188*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C8 PFOS	*84*		*51 - 159*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
d3-NMeFOSAA	*76*		*31 - 174*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
d5-NEtFOSAA	*88*		*29 - 195*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C8 FOSA	*64*		*10 - 168*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C4 PFBA	*87*		*42 - 165*	*02/14/22 16:55*	*02/17/22 10:45*	*1*
13C5 PFPeA	*86*		*38 - 187*	*02/14/22 16:55*	*02/17/22 10:45*	*1*

Client Sample ID: MW-30S

Date Collected: 02/08/22 12:00
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-2

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	4.8		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluoroheptanoic acid	4.1		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorooctanoic acid	15		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1

Client Sample ID: MW-30S

Date Collected: 02/08/22 12:00
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-2

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	**2.7**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorodecanoic acid	**1.0**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorotridecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorotetradecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorobutanesulfonic acid	**1.4**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorohexanesulfonic acid	**1.5**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorooctanesulfonic acid	**27**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
NEtFOSAA	ND		2.5	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
NMeFOSAA	**0.55**	**J**	1.7	0.50	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluoroheptanesulfonic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorodecanesulfonic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorooctanesulfonamide	**1.1**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorobutanoic acid	**8.6**		4.2	1.7	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluoroundecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluorododecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1
6:2 Fluorotelomer sulfonic acid	**13**		4.2	1.7	ng/L		02/14/22 16:55	02/17/22 10:56	1
8:2 Fluorotelomer sulfonic acid	ND		2.5	0.84	ng/L		02/14/22 16:55	02/17/22 10:56	1
Perfluoropentanoic acid	**6.9**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 10:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*97*		*33 - 200*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
M2-6:2 FTS	*100*		*17 - 200*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C5 PFHxA	*89*		*24 - 179*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C4 PFHpA	*97*		*31 - 182*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C8 PFOA	*87*		*48 - 162*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C9 PFNA	*91*		*51 - 167*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C6 PFDA	*89*		*49 - 163*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C7 PFUnA	*93*		*34 - 174*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C2-PFDoDA	*84*		*17 - 176*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C2 PFTeDA	*84*		*10 - 179*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C3 PFBS	*107*		*16 - 200*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C3 PFHxS	*89*		*28 - 188*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C8 PFOS	*96*		*51 - 159*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
d3-NMeFOSAA	*90*		*31 - 174*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
d5-NEtFOSAA	*103*		*29 - 195*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C8 FOSA	*65*		*10 - 168*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C4 PFBA	*95*		*42 - 165*	*02/14/22 16:55*	*02/17/22 10:56*	*1*
13C5 PFPeA	*94*		*38 - 187*	*02/14/22 16:55*	*02/17/22 10:56*	*1*

Client Sample ID: MW-8

Date Collected: 02/08/22 13:25
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-3

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**17**	**J I cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluoroheptanoic acid	**15**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorooctanoic acid	**69**	**cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorononanoic acid	**15**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorodecanoic acid	**6.1**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorotridecanoic acid	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1

Client Sample ID: MW-8

Date Collected: 02/08/22 13:25
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-3

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorobutanesulfonic acid	**8.6**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorohexanesulfonic acid	**18**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorooctanesulfonic acid	**1200**	**cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
NEtFOSAA	**19**	**J cn**	30	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
NMeFOSAA	**11**	**J cn**	20	5.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluoroheptanesulfonic acid	**12**	**J cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorodecanesulfonic acid	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorooctanesulfonamide	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorobutanoic acid	**50**	**cn**	49	20	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluoroundecanoic acid	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluorododecanoic acid	ND	cn	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
6:2 Fluorotelomer sulfonic acid	ND	cn	49	20	ng/L		02/14/22 16:55	02/17/22 11:07	1
8:2 Fluorotelomer sulfonic acid	ND	cn	30	9.9	ng/L		02/14/22 16:55	02/17/22 11:07	1
Perfluoropentanoic acid	**44**	**cn**	20	4.9	ng/L		02/14/22 16:55	02/17/22 11:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*135*	*cn*	*33 - 200*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
M2-6:2 FTS	*134*	*cn*	*17 - 200*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C5 PFHxA	*93*	*cn*	*24 - 179*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C4 PFHpA	*101*	*cn*	*31 - 182*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C8 PFOA	*96*	*cn*	*48 - 162*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C9 PFNA	*104*	*cn*	*51 - 167*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C6 PFDA	*88*	*cn*	*49 - 163*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C7 PFUnA	*88*	*cn*	*34 - 174*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C2-PFDoDA	*86*	*cn*	*17 - 176*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C2 PFTeDA	*85*	*cn*	*10 - 179*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C3 PFBS	*100*	*cn*	*16 - 200*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C3 PFHxS	*92*	*cn*	*28 - 188*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C8 PFOS	*100*	*cn*	*51 - 159*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
d3-NMeFOSAA	*93*	*cn*	*31 - 174*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
d5-NEtFOSAA	*110*	*cn*	*29 - 195*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C8 FOSA	*73*	*cn*	*10 - 168*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C4 PFBA	*96*	*cn*	*42 - 165*	*02/14/22 16:55*	*02/17/22 11:07*	*1*
13C5 PFPeA	*93*	*cn*	*38 - 187*	*02/14/22 16:55*	*02/17/22 11:07*	*1*

Client Sample ID: MW-1D

Date Collected: 02/08/22 10:42
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-4

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**6.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluoroheptanoic acid	**6.8**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorooctanoic acid	**34**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorononanoic acid	**2.0**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorodecanoic acid	**1.2**	**J**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorotridecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorotetradecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorobutanesulfonic acid	**7.2**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorohexanesulfonic acid	**3.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1

Client Sample ID: MW-1D

Date Collected: 02/08/22 10:42
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-4

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	67		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
NEtFOSAA	0.86	J	2.4	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
NMeFOSAA	1.9		1.6	0.48	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluoroheptanesulfonic acid	0.80	J	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorodecanesulfonic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorooctanesulfonamide	0.68	J	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorobutanoic acid	9.0		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluoroundecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluorododecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 11:18	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.80	ng/L		02/14/22 16:55	02/17/22 11:18	1
Perfluoropentanoic acid	11		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 11:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*110*		*33 - 200*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
M2-6:2 FTS	*123*		*17 - 200*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C5 PFHxA	*98*		*24 - 179*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C4 PFHpA	*101*		*31 - 182*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C8 PFOA	*95*		*48 - 162*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C9 PFNA	*96*		*51 - 167*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C6 PFDA	*92*		*49 - 163*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C7 PFUnA	*95*		*34 - 174*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C2-PFDoDA	*87*		*17 - 176*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C2 PFTeDA	*91*		*10 - 179*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C3 PFBS	*113*		*16 - 200*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C3 PFHxS	*97*		*28 - 188*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C8 PFOS	*96*		*51 - 159*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
d3-NMeFOSAA	*87*		*31 - 174*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
d5-NEtFOSAA	*104*		*29 - 195*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C8 FOSA	*74*		*10 - 168*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C4 PFBA	*96*		*42 - 165*	*02/14/22 16:55*	*02/17/22 11:18*	*1*
13C5 PFPeA	*96*		*38 - 187*	*02/14/22 16:55*	*02/17/22 11:18*	*1*

Client Sample ID: MW-23S

Date Collected: 02/09/22 09:10
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-5

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	6.1		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluoroheptanoic acid	5.7		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorooctanoic acid	15		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorononanoic acid	1.8		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorodecanoic acid	1.9		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorotridecanoic acid	ND		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorobutanesulfonic acid	10		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorohexanesulfonic acid	3.7		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorooctanesulfonic acid	47		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
NEtFOSAA	0.55	J	2.6	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
NMeFOSAA	2.3		1.7	0.52	ng/L		02/14/22 16:55	02/17/22 11:29	1

Client Sample ID: MW-23S

Date Collected: 02/09/22 09:10
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-5
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid	**0.49**	**J**	1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorodecanesulfonic acid	ND		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorooctanesulfonamide	**0.79**	**J**	1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorobutanoic acid	**7.6**		4.3	1.7	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluoroundecanoic acid	**0.63**	**J**	1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		02/14/22 16:55	02/17/22 11:29	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.87	ng/L		02/14/22 16:55	02/17/22 11:29	1
Perfluoropentanoic acid	**6.9**		1.7	0.43	ng/L		02/14/22 16:55	02/17/22 11:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*112*		*33 - 200*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
M2-6:2 FTS	*130*		*17 - 200*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C5 PFHxA	*99*		*24 - 179*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C4 PFHpA	*100*		*31 - 182*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C8 PFOA	*100*		*48 - 162*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C9 PFNA	*104*		*51 - 167*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C6 PFDA	*98*		*49 - 163*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C7 PFUnA	*100*		*34 - 174*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C2-PFDoDA	*93*		*17 - 176*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C2 PFTeDA	*96*		*10 - 179*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C3 PFBS	*113*		*16 - 200*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C3 PFHxS	*97*		*28 - 188*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C8 PFOS	*100*		*51 - 159*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
d3-NMeFOSAA	*99*		*31 - 174*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
d5-NEtFOSAA	*115*		*29 - 195*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C8 FOSA	*77*		*10 - 168*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C4 PFBA	*99*		*42 - 165*	*02/14/22 16:55*	*02/17/22 11:29*	*1*
13C5 PFPeA	*100*		*38 - 187*	*02/14/22 16:55*	*02/17/22 11:29*	*1*

Client Sample ID: MW-23D

Date Collected: 02/09/22 09:13
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-6
Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**10**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluoroheptanoic acid	**11**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorooctanoic acid	**47**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorononanoic acid	**5.1**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorodecanoic acid	**7.1**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorotridecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorotetradecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorobutanesulfonic acid	**13**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorohexanesulfonic acid	**6.9**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorooctanesulfonic acid	**95**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
NEtFOSAA	ND		2.5	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
NMeFOSAA	ND		1.7	0.50	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluoroheptanesulfonic acid	**1.4**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorodecanesulfonic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorooctanesulfonamide	**1.2**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1

Client Sample ID: MW-23D

Date Collected: 02/09/22 09:13
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-6

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	**16**		4.2	1.7	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluoroundecanoic acid	**0.98**	**J**	1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluorododecanoic acid	ND		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1
6:2 Fluorotelomer sulfonic acid	ND		4.2	1.7	ng/L		02/14/22 16:55	02/17/22 11:51	1
8:2 Fluorotelomer sulfonic acid	ND		2.5	0.84	ng/L		02/14/22 16:55	02/17/22 11:51	1
Perfluoropentanoic acid	**9.9**		1.7	0.42	ng/L		02/14/22 16:55	02/17/22 11:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*108*		*33 - 200*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
M2-6:2 FTS	*120*		*17 - 200*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C5 PFHxA	*99*		*24 - 179*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C4 PFHpA	*99*		*31 - 182*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C8 PFOA	*95*		*48 - 162*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C9 PFNA	*88*		*51 - 167*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C6 PFDA	*86*		*49 - 163*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C7 PFUnA	*91*		*34 - 174*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C2-PFDoDA	*86*		*17 - 176*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C2 PFTeDA	*84*		*10 - 179*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C3 PFBS	*110*		*16 - 200*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C3 PFHxS	*92*		*28 - 188*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C8 PFOS	*93*		*51 - 159*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
d3-NMeFOSAA	*83*		*31 - 174*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
d5-NEtFOSAA	*101*		*29 - 195*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C8 FOSA	*58*		*10 - 168*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C4 PFBA	*95*		*42 - 165*	*02/14/22 16:55*	*02/17/22 11:51*	*1*
13C5 PFPeA	*97*		*38 - 187*	*02/14/22 16:55*	*02/17/22 11:51*	*1*

Client Sample ID: MW-1DD

Date Collected: 02/09/22 12:15
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-7

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**7.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluoroheptanoic acid	**8.4**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorooctanoic acid	**71**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorononanoic acid	**2.1**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorodecanoic acid	**0.97**	**J**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorotridecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorotetradecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorobutanesulfonic acid	**2.7**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorohexanesulfonic acid	**5.4**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorooctanesulfonic acid	**130**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
NEtFOSAA	**0.62**	**J**	2.4	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
NMeFOSAA	ND		1.6	0.48	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluoroheptanesulfonic acid	**1.5**	**J**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorodecanesulfonic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorooctanesulfonamide	**5.1**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorobutanoic acid	**7.8**		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluoroundecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluorododecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1

Client Sample ID: MW-1DD

Date Collected: 02/09/22 12:15
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-7

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:02	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.80	ng/L		02/14/22 16:55	02/17/22 12:02	1
Perfluoropentanoic acid	**8.0**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*89*		*33 - 200*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
M2-6:2 FTS	*115*		*17 - 200*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C5 PFHxA	*87*		*24 - 179*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C4 PFHpA	*93*		*31 - 182*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C8 PFOA	*84*		*48 - 162*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C9 PFNA	*85*		*51 - 167*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C6 PFDA	*77*		*49 - 163*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C7 PFUnA	*81*		*34 - 174*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C2-PFDoDA	*76*		*17 - 176*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C2 PFTeDA	*75*		*10 - 179*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C3 PFBS	*104*		*16 - 200*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C3 PFHxS	*87*		*28 - 188*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C8 PFOS	*84*		*51 - 159*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
d3-NMeFOSAA	*76*		*31 - 174*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
d5-NEtFOSAA	*85*		*29 - 195*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C8 FOSA	*57*		*10 - 168*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C4 PFBA	*89*		*42 - 165*	*02/14/22 16:55*	*02/17/22 12:02*	*1*
13C5 PFPeA	*90*		*38 - 187*	*02/14/22 16:55*	*02/17/22 12:02*	*1*

Client Sample ID: MW-1

Date Collected: 02/09/22 12:50
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-8

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**13**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluoroheptanoic acid	**10**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorooctanoic acid	**29**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorononanoic acid	**1.7**	**I**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorodecanoic acid	**0.47**	**J**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorotridecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorotetradecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorobutanesulfonic acid	**9.2**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorohexanesulfonic acid	**5.4**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorooctanesulfonic acid	**26**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
NEtFOSAA	ND		2.4	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
NMeFOSAA	**0.57**	**J**	1.6	0.48	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluoroheptanesulfonic acid	**0.58**	**J**	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorodecanesulfonic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorooctanesulfonamide	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorobutanoic acid	**14**		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluoroundecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluorododecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:13	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.81	ng/L		02/14/22 16:55	02/17/22 12:13	1
Perfluoropentanoic acid	**13**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:13	1

Client Sample ID: MW-1

Date Collected: 02/09/22 12:50
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-8

Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	111		33 - 200	02/14/22 16:55	02/17/22 12:13	1
M2-6:2 FTS	120		17 - 200	02/14/22 16:55	02/17/22 12:13	1
13C5 PFHxA	90		24 - 179	02/14/22 16:55	02/17/22 12:13	1
13C4 PFHpA	95		31 - 182	02/14/22 16:55	02/17/22 12:13	1
13C8 PFOA	88		48 - 162	02/14/22 16:55	02/17/22 12:13	1
13C9 PFNA	92		51 - 167	02/14/22 16:55	02/17/22 12:13	1
13C6 PFDA	89		49 - 163	02/14/22 16:55	02/17/22 12:13	1
13C7 PFUnA	93		34 - 174	02/14/22 16:55	02/17/22 12:13	1
13C2-PFDoDA	91		17 - 176	02/14/22 16:55	02/17/22 12:13	1
13C2 PFTeDA	91		10 - 179	02/14/22 16:55	02/17/22 12:13	1
13C3 PFBS	117		16 - 200	02/14/22 16:55	02/17/22 12:13	1
13C3 PFHxS	92		28 - 188	02/14/22 16:55	02/17/22 12:13	1
13C8 PFOS	91		51 - 159	02/14/22 16:55	02/17/22 12:13	1
d3-NMeFOSAA	86		31 - 174	02/14/22 16:55	02/17/22 12:13	1
d5-NEtFOSAA	99		29 - 195	02/14/22 16:55	02/17/22 12:13	1
13C8 FOSA	72		10 - 168	02/14/22 16:55	02/17/22 12:13	1
13C4 PFBA	96		42 - 165	02/14/22 16:55	02/17/22 12:13	1
13C5 PFPeA	98		38 - 187	02/14/22 16:55	02/17/22 12:13	1

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (33-200)	M262FTS (17-200)	13C5PHA (24-179)	C4PFHA (31-182)	C8PFOA (48-162)	C9PFNA (51-167)	C6PFDA (49-163)	13C7PUA (34-174)
410-72643-1	MW-30D	107	120	90	95	88	82	81	78
410-72643-2	MW-30S	97	100	89	97	87	91	89	93
410-72643-3	MW-8	135 cn	134 cn	93 cn	101 cn	96 cn	104 cn	88 cn	88 cn
410-72643-4	MW-1D	110	123	98	101	95	96	92	95
410-72643-5	MW-23S	112	130	99	100	100	104	98	100
410-72643-6	MW-23D	108	120	99	99	95	88	86	91
410-72643-7	MW-1DD	89	115	87	93	84	85	77	81
410-72643-8	MW-1	111	120	90	95	88	92	89	93
LCS 410-232682/2-A	Lab Control Sample	90	86	89	93	85	98	95	95
LCSD 410-232682/3-A	Lab Control Sample Dup	92	81	89	93	85	99	93	97
MB 410-232682/1-A	Method Blank	99	88	84	87	84	91	91	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoDA (17-176)	PFTDA (10-179)	C3PFBS (16-200)	C3PFHS (28-188)	C8PFOS (51-159)	d3NMFOS (31-174)	d5NEFOS (29-195)	PFOSA (10-168)
410-72643-1	MW-30D	78	76	96	89	84	76	88	64
410-72643-2	MW-30S	84	84	107	89	96	90	103	65
410-72643-3	MW-8	86 cn	85 cn	100 cn	92 cn	100 cn	93 cn	110 cn	73 cn
410-72643-4	MW-1D	87	91	113	97	96	87	104	74
410-72643-5	MW-23S	93	96	113	97	100	99	115	77
410-72643-6	MW-23D	86	84	110	92	93	83	101	58
410-72643-7	MW-1DD	76	75	104	87	84	76	85	57
410-72643-8	MW-1	91	91	117	92	91	86	99	72
LCS 410-232682/2-A	Lab Control Sample	92	90	93	86	96	90	97	77
LCSD 410-232682/3-A	Lab Control Sample Dup	83	90	89	88	95	92	105	75
MB 410-232682/1-A	Method Blank	89	91	94	86	93	83	84	77

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PFBA (42-165)	PFPeA (38-187)
410-72643-1	MW-30D	87	86
410-72643-2	MW-30S	95	94
410-72643-3	MW-8	96 cn	93 cn
410-72643-4	MW-1D	96	96
410-72643-5	MW-23S	99	100
410-72643-6	MW-23D	95	97
410-72643-7	MW-1DD	89	90
410-72643-8	MW-1	96	98
LCS 410-232682/2-A	Lab Control Sample	92	90
LCSD 410-232682/3-A	Lab Control Sample Dup	92	96
MB 410-232682/1-A	Method Blank	92	91

Surrogate Legend

M282FTS = M2-8:2 FTS
M262FTS = M2-6:2 FTS
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Job ID: 410-72643-1
Project/Site: Non-DOD - NY

PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-232682/1-A
Matrix: Water
Analysis Batch: 224425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 232682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
NEtFOSAA	ND		3.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
NMeFOSAA	ND		2.0	0.60	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*99*		*33 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
M2-6:2 FTS	*88*		*17 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C5 PFHxA	*84*		*24 - 179*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C4 PFHpA	*87*		*31 - 182*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 PFOA	*84*		*48 - 162*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C9 PFNA	*91*		*51 - 167*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C6 PFDA	*91*		*49 - 163*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C7 PFUnA	*89*		*34 - 174*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C2-PFDoDA	*89*		*17 - 176*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C2 PFTeDA	*91*		*10 - 179*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C3 PFBS	*94*		*16 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C3 PFHxS	*86*		*28 - 188*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 PFOS	*93*		*51 - 159*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
d3-NMeFOSAA	*83*		*31 - 174*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
d5-NEtFOSAA	*84*		*29 - 195*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 FOSA	*77*		*10 - 168*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C4 PFBA	*92*		*42 - 165*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C5 PFPeA	*91*		*38 - 187*	*02/14/22 16:55*	*02/16/22 19:58*	*1*

Lab Sample ID: LCS 410-232682/2-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 232682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	25.6	19.5		ng/L		76	58 - 139
Perfluoroheptanoic acid	25.6	19.0		ng/L		74	59 - 145

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-232682/2-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 232682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanoic acid	25.6	21.4		ng/L		84	51 - 145
Perfluorononanoic acid	25.6	20.5		ng/L		80	61 - 139
Perfluorodecanoic acid	25.6	18.0		ng/L		70	56 - 138
Perfluorotridecanoic acid	25.6	20.6		ng/L		81	58 - 146
Perfluorotetradecanoic acid	25.6	18.7		ng/L		73	62 - 139
Perfluorobutanesulfonic acid	22.7	17.0		ng/L		75	53 - 138
Perfluorohexanesulfonic acid	23.3	17.6		ng/L		75	58 - 134
Perfluorooctanesulfonic acid	23.7	18.3		ng/L		77	45 - 150
NEtFOSAA	25.6	18.1		ng/L		71	55 - 134
NMeFOSAA	25.6	19.3		ng/L		75	59 - 140
Perfluoroheptanesulfonic acid	24.4	18.6		ng/L		76	56 - 140
Perfluorodecanesulfonic acid	24.7	18.0		ng/L		73	55 - 137
Perfluorooctanesulfonamide	25.6	21.7		ng/L		85	43 - 167
Perfluorobutanoic acid	25.6	22.7		ng/L		89	59 - 136
Perfluoroundecanoic acid	25.6	19.7		ng/L		77	60 - 141
Perfluorododecanoic acid	25.6	19.8		ng/L		77	59 - 143
6:2 Fluorotelomer sulfonic acid	24.3	23.2		ng/L		95	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	23.9		ng/L		97	55 - 138
Perfluoropentanoic acid	25.6	23.2		ng/L		91	57 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*90*		*33 - 200*
M2-6:2 FTS	*86*		*17 - 200*
13C5 PFHxA	*89*		*24 - 179*
13C4 PFHpA	*93*		*31 - 182*
13C8 PFOA	*85*		*48 - 162*
13C9 PFNA	*98*		*51 - 167*
13C6 PFDA	*95*		*49 - 163*
13C7 PFUnA	*95*		*34 - 174*
13C2-PFDoDA	*92*		*17 - 176*
13C2 PFTeDA	*90*		*10 - 179*
13C3 PFBS	*93*		*16 - 200*
13C3 PFHxS	*86*		*28 - 188*
13C8 PFOS	*96*		*51 - 159*
d3-NMeFOSAA	*90*		*31 - 174*
d5-NEtFOSAA	*97*		*29 - 195*
13C8 FOSA	*77*		*10 - 168*
13C4 PFBA	*92*		*42 - 165*
13C5 PFPeA	*90*		*38 - 187*

Lab Sample ID: LCSD 410-232682/3-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 232682

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	25.6	19.5		ng/L		76	58 - 139	0	30
Perfluoroheptanoic acid	25.6	18.6		ng/L		73	59 - 145	2	30
Perfluorooctanoic acid	25.6	19.9		ng/L		78	51 - 145	8	30
Perfluorononanoic acid	25.6	19.1		ng/L		75	61 - 139	7	30

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-232682/3-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 232682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid			25.6	17.7		ng/L		69	56 - 138	1	30
Perfluorotridecanoic acid			25.6	21.3		ng/L		83	58 - 146	3	30
Perfluorotetradecanoic acid			25.6	19.3		ng/L		76	62 - 139	3	30
Perfluorobutanesulfonic acid			22.7	16.8		ng/L		74	53 - 138	1	30
Perfluorohexanesulfonic acid			23.3	16.9		ng/L		72	58 - 134	4	30
Perfluorooctanesulfonic acid			23.7	17.4		ng/L		74	45 - 150	5	30
NEtFOSAA			25.6	17.9		ng/L		70	55 - 134	1	30
NMeFOSAA			25.6	18.1		ng/L		71	59 - 140	6	30
Perfluoroheptanesulfonic acid			24.4	17.8		ng/L		73	56 - 140	4	30
Perfluorodecanesulfonic acid			24.7	17.5		ng/L		71	55 - 137	3	30
Perfluorooctanesulfonamide			25.6	23.3		ng/L		91	43 - 167	7	30
Perfluorobutanoic acid			25.6	22.9		ng/L		89	59 - 136	1	30
Perfluoroundecanoic acid			25.6	19.4		ng/L		76	60 - 141	1	30
Perfluorododecanoic acid			25.6	20.6		ng/L		80	59 - 143	4	30
6:2 Fluorotelomer sulfonic acid			24.3	23.1		ng/L		95	28 - 173	0	30
8:2 Fluorotelomer sulfonic acid			24.5	24.8		ng/L		101	55 - 138	4	30
Perfluoropentanoic acid			25.6	22.2		ng/L		87	57 - 141	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-8:2 FTS	*92*		*33 - 200*
M2-6:2 FTS	*81*		*17 - 200*
13C5 PFHxA	*89*		*24 - 179*
13C4 PFHpA	*93*		*31 - 182*
13C8 PFOA	*85*		*48 - 162*
13C9 PFNA	*99*		*51 - 167*
13C6 PFDA	*93*		*49 - 163*
13C7 PFUnA	*97*		*34 - 174*
13C2-PFDoDA	*83*		*17 - 176*
13C2 PFTeDA	*90*		*10 - 179*
13C3 PFBS	*89*		*16 - 200*
13C3 PFHxS	*88*		*28 - 188*
13C8 PFOS	*95*		*51 - 159*
d3-NMeFOSAA	*92*		*31 - 174*
d5-NEtFOSAA	*105*		*29 - 195*
13C8 FOSA	*75*		*10 - 168*
13C4 PFBA	*92*		*42 - 165*
13C5 PFPeA	*96*		*38 - 187*

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

LCMS

Analysis Batch: 224425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-232682/1-A	Method Blank	Total/NA	Water	EPA 537 (Mod)	232682

Analysis Batch: 224883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72643-1	MW-30D	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-2	MW-30S	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-3	MW-8	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-4	MW-1D	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-5	MW-23S	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-6	MW-23D	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-7	MW-1DD	Total/NA	Water	EPA 537 (Mod)	232682
410-72643-8	MW-1	Total/NA	Water	EPA 537 (Mod)	232682
LCS 410-232682/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (Mod)	232682
LCSD 410-232682/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (Mod)	232682

Prep Batch: 232682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72643-1	MW-30D	Total/NA	Water	EPA 537 (mod)	
410-72643-2	MW-30S	Total/NA	Water	EPA 537 (mod)	
410-72643-3	MW-8	Total/NA	Water	EPA 537 (mod)	
410-72643-4	MW-1D	Total/NA	Water	EPA 537 (mod)	
410-72643-5	MW-23S	Total/NA	Water	EPA 537 (mod)	
410-72643-6	MW-23D	Total/NA	Water	EPA 537 (mod)	
410-72643-7	MW-1DD	Total/NA	Water	EPA 537 (mod)	
410-72643-8	MW-1	Total/NA	Water	EPA 537 (mod)	
MB 410-232682/1-A	Method Blank	Total/NA	Water	EPA 537 (mod)	
LCS 410-232682/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (mod)	
LCSD 410-232682/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (mod)	

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-30D
Date Collected: 02/08/22 11:15
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 10:45	PY4D	ELLE

Client Sample ID: MW-30S
Date Collected: 02/08/22 12:00
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 10:56	PY4D	ELLE

Client Sample ID: MW-8
Date Collected: 02/08/22 13:25
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 11:07	PY4D	ELLE

Client Sample ID: MW-1D
Date Collected: 02/08/22 10:42
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 11:18	PY4D	ELLE

Client Sample ID: MW-23S
Date Collected: 02/09/22 09:10
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 11:29	PY4D	ELLE

Client Sample ID: MW-23D
Date Collected: 02/09/22 09:13
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 11:51	PY4D	ELLE

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Client Sample ID: MW-1DD

Date Collected: 02/09/22 12:15
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 12:02	PY4D	ELLE

Client Sample ID: MW-1

Date Collected: 02/09/22 12:50
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72643-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 12:13	PY4D	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-72643-1
Project/Site: Non-DOD - NY

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537 (Mod)	EPA 537 (mod)	Water	6:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	8:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	NEtFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	NMeFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorododecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorononanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonamide
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoropentanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotetradecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotridecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroundecanoic acid

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Method	Method Description	Protocol	Laboratory
EPA 537 (Mod)	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537 (mod)	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72643-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-72643-1	MW-30D	Water	02/08/22 11:15	02/11/22 11:24
410-72643-2	MW-30S	Water	02/08/22 12:00	02/11/22 11:24
410-72643-3	MW-8	Water	02/08/22 13:25	02/11/22 11:24
410-72643-4	MW-1D	Water	02/08/22 10:42	02/11/22 11:24
410-72643-5	MW-23S	Water	02/09/22 09:10	02/11/22 11:24
410-72643-6	MW-23D	Water	02/09/22 09:13	02/11/22 11:24
410-72643-7	MW-1DD	Water	02/09/22 12:15	02/11/22 11:24
410-72643-8	MW-1	Water	02/09/22 12:50	02/11/22 11:24

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

410-72643 Chain of Custody

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY EUROFINS Lancaster Laboratories	ORDER ID : N1468		BILL TO: CHEMTECH PO# : N1468
ADDRESS : 2425 New Holland Pike	PROJECT ID:NYSDEC Crown Dykman – Glen Cove		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER Samantha		CITY: Mountainsid State : NJ ZIP : 07092
E-mail :	E-mail : Samantha@chemtech.net		ATTENTION :Samant
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN **Report :** NYS ASP B **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-30D	Water	PFAS	NONE	537	02/08/2022	11:15:00	3	5
02	MW-30S	Water	PFAS	NONE	537I	02/08/2022	12:00:00	2	5
03	MW-8	Water	PFAS	NONE	537	02/08/2022	13:25:00	2	5
04	MW-1D	Water	PFAS	NONE	537	02/08/2022	10:42:00	2	5
05	MW-23S	Water	PFAS	NONE	537	02/09/2022	09:10:00	3	5
06	MW-23D	Water	PFAS	NONE	537	02/09/2022	09:13:00	2	5
07	~~MW-10D~~ MW-10D	Water	PFAS	NONE	537	02/09/2022	12:51:00	3	5
08	MW-1 SB 3-10-22	Water	PFAS	NONE	537	02/09/2022	12:50:00	2	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME: 2/10/22 16:00	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler ___ Ice or Cooler? ___
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUIESHED BY: 3.	DATETIME: 2/11/22 24	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

AEH
2/17/2022
3/14/2022 (Rev. 1)

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

410-72643 Chain of Custody

Sub Lab INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY EUROFINS Lancaster Laboratories		ORDER ID : N1468		BILL TO: CHEMTECH PO# : N1468
ADDRESS : 2425 New Holland Pike		PROJECT ID:NYSDEC Crown Dykman – Glen Cove		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601		PROJECT MANAGER Samantha		CITY: Mountainsid State : NJ ZIP : 07092
E-mail :		E-mail : Samantha@chemtech.net		ATTENTION :Samant
PHONE :717-693-5814		PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN **Report :** NYS ASP B **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-30D	Water	PFAS	NONE	537	02/08/2022	11:15:00	3	5
02	MW-30S	Water	PFAS	NONE	537l	02/08/2022	12:00:00	2	5
03	MW-8	Water	PFAS	NONE	537	02/08/2022	13:25:00	2	5
04	MW-1D	Water	PFAS	NONE	537	02/08/2022	10:42:00	2	5
05	MW-23S	Water	PFAS	NONE	537	02/09/2022	09:10:00	3	5
06	MW-23D	Water	PFAS	NONE	537	02/09/2022	09:13:00	2	5
07	MW-10D	Water	PFAS	NONE	537	02/09/2022	12:51:00	3	5
08	MW-1	Water	PFAS	NONE	537	02/09/2022	12:50:00	2	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME: 2/10/22 16:00	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler ____ Ice or Cooler? ____
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUIESHED BY: 3.	DATETIME: 2/11/22 1/24	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc. Job Number: 410-72643-1

Login Number: 72643 **List Source: Eurofins Lancaster Laboratories Env, LLC**
List Number: 1
Creator: McCaskey, Jonathan

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

CHEMTECH

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
METALS

PROJECT NAME : NYSDEC CROWN DYKMAN – GLEN COVE

ENVIROTRAC ENVIRONMENTAL SERVICES LTD.

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : N1497

ATTENTION : Mike Rose

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-7S	N1497-01	8260-Low				6010D	
MW-7D	N1497-02	8260-Low				6010D	
MW-5	N1497-03	8260-Low				6010D	
MW-BLIND-DUPLICATE	N1497-06	8260-Low				6010D	
MW-7S	N1497-07	8260-Low				6010D	
MW-7D	N1497-08	8260-Low				6010D	
MW-5	N1497-09	8260-Low				6010D	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
N1497-01	Water	02/10/22	02/10/22		02/11/22
N1497-02	Water	02/10/22	02/10/22		02/11/22
N1497-03	Water	02/10/22	02/10/22		02/11/22
N1497-06	Water	02/10/22	02/10/22		02/11/22

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1497-01	Water	8260-Low	5030		
N1497-02	Water	8260-Low	5030		
N1497-03	Water	8260-Low	5030		
N1497-04	Water	8260-Low	5030		
N1497-05	Water	8260-Low	5030		
N1497-06	Water	8260-Low	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1497-07	Water	Dissolved ICP-Group2	02/10/22	02/17/22	02/17/22
N1497-08	Water	Dissolved ICP-Group2	02/10/22	02/17/22	02/17/22
N1497-09	Water	Dissolved ICP-Group2	02/10/22	02/17/22	02/17/22

*** Details For Test :** Dissolved ICP-Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
N1497-01	Water	Metals Group4	02/10/22	02/15/22	02/15/22
N1497-02	Water	Metals Group4	02/10/22	02/15/22	02/15/22
N1497-03	Water	Metals Group4	02/10/22	02/15/22	02/15/22

*** Details For Test :** Metals Group4

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Cover Page

Order ID : N1497

Project ID : NYSDEC Crown Dykman – Glen Cove

Client : Envirotrac Environmental Services Ltd.

Lab Sample Number	Client Sample Number
N1497-01	MW-7S
N1497-02	MW-7D
N1497-03	MW-5
N1497-04	MW-5MS
N1497-05	MW-5MSD
N1497-06	MW-BLIND-DUPLICATE
N1497-07	MW-7S
N1497-08	MW-7D
N1497-09	MW-5
N1497-10	MW-5MS
N1497-11	MW-5MSD

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
Date: 3/17/2022
By Nimisha Pandya QA/QC Supervisor at 10:20 am, Mar 18, 2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1497
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
11 Water samples were received on 02/10/2022.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {N1497-04MS} with File ID: VX026980.D recoveries met the requirements for all compounds except for Chloroethane[120%] due to matrix interference.

The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (82X020822W.M) for t-1,3-Dichloropropene, Bromoform these compounds are passing on Linear Regression and Chloroethane this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Sample MW-7S was diluted due to high concentration.

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E. Additional Comments:

This data package has been revised due to parameter list changed and to include TICS.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:20 am, Mar 18, 2022

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CASE NARRATIVE

Envirotrac Environmental Services Ltd.
Project Name: NYSDEC Crown Dykman – Glen Cove
Project # N/A
Chemtech Project # N1497
Test Name: Dissolved ICP-Group2,Metals Group4

A. Number of Samples and Date of Receipt:
11 Water samples were received on 02/10/2022.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4 and VOCMS Group1. This data package contains results for Dissolved ICP-Group2,Metals Group4.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
Samples 07,08,09,10,11 analyzed as Dissolved metals.
In analytical sequence LB118685, The % recovery was outside of acceptance limit for Iron, Sodium of CCV06, But No any sample analyze for this CCVs.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ N. N. Pandya

APPROVED
By Nimisha Pandya QA/QC Supervisor at 10:21 am, Mar 18, 2022

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N1497

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: APARNA SONI **Date:** 03/17/2022

2nd Level QA Review Signature: N. N. Pandya **Date:**

APPROVED
By Nimisha Pandya QA/QC Supervisor at 10:21 am, Mar 18, 2022

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N1497	**OrderDate:**	2/10/2022 4:00:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1497-01	**MW-7S**	**Water**			**02/10/22**			**02/10/22**
			VOCMS Group1	8260-Low			02/11/22	
N1497-01DL	**MW-7SDL**	**Water**			**02/10/22**			**02/10/22**
			VOCMS Group1	8260-Low			02/11/22	
N1497-02	**MW-7D**	**Water**			**02/10/22**			**02/10/22**
			VOCMS Group1	8260-Low			02/11/22	
N1497-03	**MW-5**	**Water**			**02/10/22**			**02/10/22**
			VOCMS Group1	8260-Low			02/11/22	
N1497-06	**MW-BLIND-DUPLICATE**	**Water**			**02/10/22**			**02/10/22**
			VOCMS Group1	8260-Low			02/11/22	

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Hit Summary Sheet
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-7S**								
N1497-01	MW-7S	Water	Vinyl Chloride		64.30		0.19	1.00	ug/L
N1497-01	MW-7S	Water	1,1-Dichloroethene		5.30		0.26	1.00	ug/L
N1497-01	MW-7S	Water	Methyl tert-butyl Ether		4.00		0.22	1.00	ug/L
N1497-01	MW-7S	Water	trans-1,2-Dichloroethene		3.20		0.19	1.00	ug/L
N1497-01	MW-7S	Water	cis-1,2-Dichloroethene		760.00	E	0.22	1.00	ug/L
N1497-01	MW-7S	Water	Benzene		0.60	J	0.18	1.00	ug/L
N1497-01	MW-7S	Water	Trichloroethene		170.00	E	0.17	1.00	ug/L
N1497-01	MW-7S	Water	Tetrachloroethene		130.00		0.17	1.00	ug/L
			Total Voc :		1137.4				
N1497-01	MW-7S	Water	tert-Butylbenzene	*	3.20	J	0.26	1.00	ug/L
N1497-01	MW-7S	Water	1,2,4-Trimethylbenzene	*	0.27	J	0.20	1.00	ug/L
			Total Tics :		3.47				
			Total Concentration:		1140.87				
Client ID:	**MW-7SDL**								
N1497-01DL	MW-7SDL	Water	Vinyl Chloride		65.40	D	3.90	20.0	ug/L
N1497-01DL	MW-7SDL	Water	1,1-Dichloroethene		5.70	JD	5.20	20.0	ug/L
N1497-01DL	MW-7SDL	Water	cis-1,2-Dichloroethene		800.00	D	4.40	20.0	ug/L
N1497-01DL	MW-7SDL	Water	Trichloroethene		170.00	D	3.50	20.0	ug/L
N1497-01DL	MW-7SDL	Water	Tetrachloroethene		140.00	D	3.30	20.0	ug/L
			Total Voc :		1181.1				
			Total Concentration:		1181.1				
Client ID:	**MW-7D**								
N1497-02	MW-7D	Water	Vinyl Chloride		0.44	J	0.19	1.00	ug/L
N1497-02	MW-7D	Water	Acetone		2.90	J	1.60	5.00	ug/L
N1497-02	MW-7D	Water	cis-1,2-Dichloroethene		5.00		0.22	1.00	ug/L
N1497-02	MW-7D	Water	Trichloroethene		0.31	J	0.17	1.00	ug/L
N1497-02	MW-7D	Water	Tetrachloroethene		0.68	J	0.17	1.00	ug/L
			Total Voc :		9.33				
N1497-02	MW-7D	Water	Propene	*	6.60	J	0	0	ug/L
			Total Tics :		6.6				
			Total Concentration:		15.93				
Client ID:	**MW-5**								
N1497-03	MW-5	Water	cis-1,2-Dichloroethene		0.77	J	0.22	1.00	ug/L
N1497-03	MW-5	Water	Trichloroethene		0.30	J	0.17	1.00	ug/L
N1497-03	MW-5	Water	Tetrachloroethene		0.44	J	0.17	1.00	ug/L
			Total Voc :		1.51				
			Total Concentration:		1.51				
Client ID:	**MW-BLIND-DUPLICATE**								

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Hit Summary Sheet
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
N1497-06	MW-BLIND-DUPL	Water	Acetone	2.80	J	1.60	5.00	ug/L
N1497-06	MW-BLIND-DUPL	Water	cis-1,2-Dichloroethene	0.50	J	0.22	1.00	ug/L
N1497-06	MW-BLIND-DUPL	Water	Trichloroethene	0.22	J	0.17	1.00	ug/L
N1497-06	MW-BLIND-DUPL	Water	Tetrachloroethene	0.28	J	0.17	1.00	ug/L
			Total Voc :	3.8				
			Total Concentration:	3.8				

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7S	SDG No.:	N1497
Lab Sample ID:	N1497-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026953.D	1		02/11/22 05:03	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	64.3		0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	5.30		0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	4.00		0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	3.20		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	760	E	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	0.60	J	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	170	E	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7S	SDG No.:	N1497
Lab Sample ID:	N1497-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026953.D	1		02/11/22 05:03	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	130		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		78 - 117	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	54.1		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		83 - 123	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	123000	5.562			
540-36-3	1,4-Difluorobenzene	205000	6.763			
3114-55-4	Chlorobenzene-d5	189000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81600	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
98-06-6	tert-Butylbenzene	3.20	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.27	J		11.8	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7S	SDG No.:	N1497
Lab Sample ID:	N1497-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026953.D	1		02/11/22 05:03	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7SDL	SDG No.:	N1497
Lab Sample ID:	N1497-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026966.D	20		02/11/22 14:56	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0	UD	4.60	20.0	ug/L
74-87-3	Chloromethane	20.0	UD	4.00	20.0	ug/L
75-01-4	Vinyl Chloride	65.4	D	3.90	20.0	ug/L
74-83-9	Bromomethane	100	UD	17.3	100	ug/L
75-00-3	Chloroethane	20.0	UD	7.00	20.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	UD	5.00	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0	UD	4.30	20.0	ug/L
75-35-4	1,1-Dichloroethene	5.70	JD	5.20	20.0	ug/L
67-64-1	Acetone	100	UD	32.2	100	ug/L
75-15-0	Carbon Disulfide	20.0	UD	5.00	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	UD	4.40	20.0	ug/L
79-20-9	Methyl Acetate	20.0	UD	9.40	20.0	ug/L
75-09-2	Methylene Chloride	20.0	UD	3.60	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	UD	3.80	20.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	UD	4.20	20.0	ug/L
110-82-7	Cyclohexane	100	UD	26.1	100	ug/L
78-93-3	2-Butanone	100	UD	17.9	100	ug/L
56-23-5	Carbon Tetrachloride	20.0	UD	5.50	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	800	D	4.40	20.0	ug/L
67-66-3	Chloroform	20.0	UD	5.30	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	3.90	20.0	ug/L
108-87-2	Methylcyclohexane	20.0	UD	2.80	20.0	ug/L
71-43-2	Benzene	20.0	UD	3.60	20.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	UD	5.00	20.0	ug/L
79-01-6	Trichloroethene	170	D	3.50	20.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	3.40	20.0	ug/L
75-27-4	Bromodichloromethane	20.0	UD	4.00	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	17.3	100	ug/L
108-88-3	Toluene	20.0	UD	4.30	20.0	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0	UD	3.60	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	UD	3.30	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	UD	4.80	20.0	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7SDL	SDG No.:	N1497
Lab Sample ID:	N1497-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026966.D	20		02/11/22 14:56	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100	UD	18.4	100	ug/L
124-48-1	Dibromochloromethane	20.0	UD	3.50	20.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	UD	3.30	20.0	ug/L
127-18-4	Tetrachloroethene	140	D	3.30	20.0	ug/L
108-90-7	Chlorobenzene	20.0	UD	3.30	20.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.0	UD	3.90	20.0	ug/L
100-41-4	Ethyl Benzene	20.0	UD	3.60	20.0	ug/L
1330-20-7	Total Xylenes	60.0	UD	10.2	60.0	ug/L
100-42-5	Styrene	20.0	UD	3.30	20.0	ug/L
75-25-2	Bromoform	20.0	UD	3.80	20.0	ug/L
98-82-8	Isopropylbenzene	20.0	UD	4.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	UD	5.90	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	UD	3.90	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0	UD	9.50	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	6.10	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	6.90	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		78 - 117	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.1		92 - 112	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		83 - 123	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	117000	5.556			
540-36-3	1,4-Difluorobenzene	196000	6.763			
3114-55-4	Chlorobenzene-d5	167000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	70600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7SDL	SDG No.:	N1497
Lab Sample ID:	N1497-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026966.D	20		02/11/22 14:56	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7D	SDG No.:	N1497
Lab Sample ID:	N1497-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026972.D	1		02/11/22 17:15	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	0.44	J	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.90	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00		0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.31	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7D	SDG No.:	N1497
Lab Sample ID:	N1497-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026972.D	1		02/11/22 17:15	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.68	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		83 - 123	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.562			
540-36-3	1,4-Difluorobenzene	190000	6.769			
3114-55-4	Chlorobenzene-d5	170000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	71700	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-07-1	Propene	6.60	J		1.14	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7D	SDG No.:	N1497
Lab Sample ID:	N1497-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026972.D	1		02/11/22 17:15	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5	SDG No.:	N1497
Lab Sample ID:	N1497-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026955.D	1		02/11/22 05:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.77	J	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.30	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5	SDG No.:	N1497
Lab Sample ID:	N1497-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026955.D	1		02/11/22 05:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.44	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		78 - 117	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	52.7		92 - 112	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		83 - 123	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127000	5.556			
540-36-3	1,4-Difluorobenzene	214000	6.763			
3114-55-4	Chlorobenzene-d5	188000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	78700	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5	SDG No.:	N1497
Lab Sample ID:	N1497-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026955.D	1		02/11/22 05:49	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-BLIND-DUPLICATE	SDG No.:	N1497
Lab Sample ID:	N1497-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026956.D	1		02/11/22 06:12	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	2.80	J	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.50	J	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	0.22	J	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-BLIND-DUPLICATE	SDG No.:	N1497
Lab Sample ID:	N1497-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026956.D	1		02/11/22 06:12	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.28	J	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		78 - 117	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	54.2		92 - 112	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		83 - 123	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	121000	5.556			
540-36-3	1,4-Difluorobenzene	203000	6.763			
3114-55-4	Chlorobenzene-d5	189000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81700	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-BLIND-DUPLICATE	SDG No.:	N1497
Lab Sample ID:	N1497-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026956.D	1		02/11/22 06:12	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Surrogate Summary

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
N1497-01	MW-7S	1,2-Dichloroethane-d4	50	53.5	107	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	54.1	108	92	112
		4-Bromofluorobenzene	50	56.9	114	83	123
N1497-01DL	MW-7SDL	1,2-Dichloroethane-d4	50	54.1	108	78	117
		Dibromofluoromethane	50	52.5	105	75	124
		Toluene-d8	50	52.1	104	92	112
		4-Bromofluorobenzene	50	50.9	102	83	123
N1497-02	MW-7D	1,2-Dichloroethane-d4	50	54.4	109	78	117
		Dibromofluoromethane	50	52.7	105	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	53.7	107	83	123
N1497-03	MW-5	1,2-Dichloroethane-d4	50	53.9	108	78	117
		Dibromofluoromethane	50	52.7	105	75	124
		Toluene-d8	50	52.7	105	92	112
		4-Bromofluorobenzene	50	53.1	106	83	123
N1497-04MS	MW-5MS	1,2-Dichloroethane-d4	50	52.5	105	78	117
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	51.4	103	92	112
		4-Bromofluorobenzene	50	52.7	105	83	123
N1497-05MSD	MW-5MSD	1,2-Dichloroethane-d4	50	52.7	105	78	117
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	53.5	107	92	112
		4-Bromofluorobenzene	50	54.5	109	83	123
N1497-06	MW-BLIND-DUPLICATE	1,2-Dichloroethane-d4	50	54.7	109	78	117
		Dibromofluoromethane	50	52.9	106	75	124
		Toluene-d8	50	54.2	108	92	112
		4-Bromofluorobenzene	50	58.9	118	83	123
VX0210WBL03	VX0210WBL03	1,2-Dichloroethane-d4	50	52.5	105	78	117
		Dibromofluoromethane	50	52.6	105	75	124
		Toluene-d8	50	53.7	107	92	112
		4-Bromofluorobenzene	50	56.3	113	83	123
VX0210WBS03	VX0210WBS03	1,2-Dichloroethane-d4	50	49.3	99	78	117
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	50.0	100	92	112
		4-Bromofluorobenzene	50	51.3	103	83	123
VX0211WBL01	VX0211WBL01	1,2-Dichloroethane-d4	50	53.1	106	78	117
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	53.2	106	92	112
		4-Bromofluorobenzene	50	54.3	109	83	123
VX0211WBS01	VX0211WBS01	1,2-Dichloroethane-d4	50	47.3	95	78	117
		Dibromofluoromethane	50	47.6	95	75	124
		Toluene-d8	50	48.9	98	92	112
		4-Bromofluorobenzene	50	49.4	99	83	123

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N1497-04MS	**Client Sample ID :** MW-5MS							**Datafile :**	VX026980.D		
Dichlorodifluoromethane	50	0	53.3	ug/L	107				73	120	
Chloromethane	50	0	54.2	ug/L	108				58	133	
Vinyl chloride	50	0	51.2	ug/L	102				69	125	
Bromomethane	50	0	47.6	ug/L	95				45	135	
Chloroethane	50	0	60.0	ug/L	120	*			77	119	
Trichlorofluoromethane	50	0	52.1	ug/L	104				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	52.6	ug/L	105				75	117	
1,1-Dichloroethene	50	0	50.9	ug/L	102				77	118	
Acetone	250	0	270	ug/L	108				57	139	
Carbon disulfide	50	0	48.0	ug/L	96				67	118	
Methyl tert-butyl Ether	50	0	50.4	ug/L	101				60	148	
Methyl Acetate	50	0	47.8	ug/L	96				60	133	
Methylene Chloride	50	0	52.1	ug/L	104				79	115	
trans-1,2-Dichloroethene	50	0	52.5	ug/L	105				60	133	
1,1-Dichloroethane	50	0	53.1	ug/L	106				78	122	
Cyclohexane	50	0	51.7	ug/L	103				71	119	
2-Butanone	250	0	280	ug/L	112				67	137	
Carbon Tetrachloride	50	0	51.2	ug/L	102				84	115	
cis-1,2-Dichloroethene	50	0.77	53.2	ug/L	105				56	145	
Chloroform	50	0	52.7	ug/L	105				83	119	
1,1,1-Trichloroethane	50	0	51.3	ug/L	103				83	117	
Methylcyclohexane	50	0	52.0	ug/L	104				64	120	
Benzene	50	0	52.5	ug/L	105				83	115	
1,2-Dichloroethane	50	0	54.7	ug/L	109				76	120	
Trichloroethene	50	0.30	50.1	ug/L	100				45	149	
1,2-Dichloropropane	50	0	53.1	ug/L	106				85	116	
Bromodichloromethane	50	0	55.7	ug/L	111				86	117	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				72	137	
Toluene	50	0	52.3	ug/L	105				85	115	
t-1,3-Dichloropropene	50	0	50.6	ug/L	101				78	117	
cis-1,3-Dichloropropene	50	0	55.1	ug/L	110				77	115	
1,1,2-Trichloroethane	50	0	55.8	ug/L	112				87	119	
2-Hexanone	250	0	280	ug/L	112				75	131	
Dibromochloromethane	50	0	57.3	ug/L	115				88	118	
1,2-Dibromoethane	50	0	56.1	ug/L	112				85	119	
Tetrachloroethene	50	0.44	47.1	ug/L	93				65	114	
Chlorobenzene	50	0	51.7	ug/L	103				62	141	
1,1,1,2-Tetrachloroethane	50	0	53.2	ug/L	106				69	129	
Ethyl Benzene	50	0	52.8	ug/L	106				62	134	
m/p-Xylenes	100	0	100	ug/L	100				83	117	
o-Xylene	50	0	52.6	ug/L	105				81	120	
Styrene	50	0	53.2	ug/L	106				53	143	
Bromoform	50	0	49.3	ug/L	99				83	121	
Isopropylbenzene	50	0	51.5	ug/L	103				76	121	
1,1,2,2-Tetrachloroethane	50	0	54.1	ug/L	108				66	145	
1,3-Dichlorobenzene	50	0	50.9	ug/L	102				84	110	
1,4-Dichlorobenzene	50	0	50.9	ug/L	102				81	111	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	51.7	ug/L	103				82	113	
1,2-Dibromo-3-Chloropropane	50	0	51.7	ug/L	103				55	152	
1,2,4-Trichlorobenzene	50	0	51.0	ug/L	102				73	120	
1,2,3-Trichlorobenzene	50	0	50.2	ug/L	100				75	119	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : N1497-05MSD	**Client Sample ID :** MW-5MSD							**Datafile :**	VX026981.D		
Dichlorodifluoromethane	50	0	51.3	ug/L	103		4		73	120	20
Chloromethane	50	0	51.9	ug/L	104		4		58	133	20
Vinyl chloride	50	0	50.5	ug/L	101		1		69	125	20
Bromomethane	50	0	45.6	ug/L	91		4		45	135	20
Chloroethane	50	0	56.2	ug/L	112		7		77	119	20
Trichlorofluoromethane	50	0	50.4	ug/L	101		3		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	50.5	ug/L	101		4		75	117	20
1,1-Dichloroethene	50	0	49.8	ug/L	100		2		77	118	20
Acetone	250	0	270	ug/L	108		0		57	139	20
Carbon disulfide	50	0	47.0	ug/L	94		2		67	118	20
Methyl tert-butyl Ether	50	0	49.5	ug/L	99		2		60	148	20
Methyl Acetate	50	0	47.2	ug/L	94		1		60	133	20
Methylene Chloride	50	0	51.0	ug/L	102		2		79	115	20
trans-1,2-Dichloroethene	50	0	50.6	ug/L	101		4		60	133	20
1,1-Dichloroethane	50	0	51.8	ug/L	104		2		78	122	20
Cyclohexane	50	0	50.1	ug/L	100		3		71	119	20
2-Butanone	250	0	270	ug/L	108		4		67	137	20
Carbon Tetrachloride	50	0	50.2	ug/L	100		2		84	115	20
cis-1,2-Dichloroethene	50	0.77	51.9	ug/L	102		3		56	145	20
Chloroform	50	0	51.3	ug/L	103		3		83	119	20
1,1,1-Trichloroethane	50	0	50.7	ug/L	101		1		83	117	20
Methylcyclohexane	50	0	50.8	ug/L	102		2		64	120	20
Benzene	50	0	51.0	ug/L	102		3		83	115	20
1,2-Dichloroethane	50	0	52.5	ug/L	105		4		76	120	20
Trichloroethene	50	0.30	48.7	ug/L	97		3		45	149	20
1,2-Dichloropropane	50	0	51.5	ug/L	103		3		85	116	20
Bromodichloromethane	50	0	54.2	ug/L	108		3		86	117	20
4-Methyl-2-Pentanone	250	0	280	ug/L	112		0		72	137	20
Toluene	50	0	51.4	ug/L	103		2		85	115	20
t-1,3-Dichloropropene	50	0	50.4	ug/L	101		0		78	117	20
cis-1,3-Dichloropropene	50	0	54.8	ug/L	110		1		77	115	20
1,1,2-Trichloroethane	50	0	55.4	ug/L	111		1		87	119	20
2-Hexanone	250	0	270	ug/L	108		4		75	131	20
Dibromochloromethane	50	0	57.2	ug/L	114		0		88	118	20
1,2-Dibromoethane	50	0	54.6	ug/L	109		3		85	119	20
Tetrachloroethene	50	0.44	45.5	ug/L	90		3		65	114	20
Chlorobenzene	50	0	51.2	ug/L	102		1		62	141	20
1,1,1,2-Tetrachloroethane	50	0	51.9	ug/L	104		2		69	129	20
Ethyl Benzene	50	0	51.8	ug/L	104		2		62	134	20
m/p-Xylenes	100	0	100	ug/L	100		0		83	117	20
o-Xylene	50	0	51.2	ug/L	102		3		81	120	20
Styrene	50	0	52.5	ug/L	105		1		53	143	20
Bromoform	50	0	48.2	ug/L	96		2		83	121	20
Isopropylbenzene	50	0	52.1	ug/L	104		1		76	121	20
1,1,2,2-Tetrachloroethane	50	0	54.2	ug/L	108		0		66	145	20
1,3-Dichlorobenzene	50	0	51.9	ug/L	104		2		84	110	20
1,4-Dichlorobenzene	50	0	51.1	ug/L	102		0		81	111	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dichlorobenzene	50	0	51.6	ug/L	103		0		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	53.6	ug/L	107		4		55	152	20
1,2,4-Trichlorobenzene	50	0	52.4	ug/L	105		3		73	120	20
1,2,3-Trichlorobenzene	50	0	51.5	ug/L	103		3		75	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0210WBS03	Dichlorodifluoromethane	20	20.8	ug/L	104			69	116	
	Chloromethane	20	21.8	ug/L	109			65	116	
	Vinyl chloride	20	21.4	ug/L	107			65	117	
	Bromomethane	20	23.9	ug/L	119			55	134	
	Chloroethane	20	21.0	ug/L	105			73	112	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			80	112	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	18.3	ug/L	92			64	112	
	Methyl tert-butyl Ether	20	19.4	ug/L	97			78	114	
	Methyl Acetate	20	20.0	ug/L	100			67	125	
	Methylene Chloride	20	20.3	ug/L	102			72	114	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	20.6	ug/L	103			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	20.4	ug/L	102			77	110	
	Chloroform	20	20.4	ug/L	102			79	113	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			80	108	
	Methylcyclohexane	20	20.1	ug/L	101			72	115	
	Benzene	20	20.2	ug/L	101			82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	19.6	ug/L	98			77	113	
	1,2-Dichloropropane	20	19.9	ug/L	100			83	111	
	Bromodichloromethane	20	21.2	ug/L	106			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.6	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	22.0	ug/L	110			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.5	ug/L	108			82	110	
	1,2-Dibromoethane	20	21.8	ug/L	109			81	110	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	20.3	ug/L	102			82	109	
	1,1,1,2-Tetrachloroethane	20	20.2	ug/L	101			84	111	
	Ethyl Benzene	20	20.4	ug/L	102			83	109	
	m/p-Xylenes	40	40.0	ug/L	100			82	110	
	o-Xylene	20	20.1	ug/L	101			83	109	
	Styrene	20	20.6	ug/L	103			80	111	
	Bromoform	20	18.7	ug/L	94			79	109	
	Isopropylbenzene	20	20.9	ug/L	104			83	112	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			76	118	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			82	108	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0210WBS03	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99			77	113	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026962.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0211WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			69	116	
	Chloromethane	20	19.3	ug/L	97			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Bromomethane	20	19.3	ug/L	97			55	134	
	Chloroethane	20	18.3	ug/L	92			73	112	
	Trichlorofluoromethane	20	18.9	ug/L	95			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.2	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			78	114	
	Methyl Acetate	20	18.3	ug/L	92			67	125	
	Methylene Chloride	20	18.4	ug/L	92			72	114	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			75	108	
	1,1-Dichloroethane	20	19.0	ug/L	95			78	112	
	Cyclohexane	20	18.9	ug/L	95			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			77	110	
	Chloroform	20	18.8	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			80	108	
	Methylcyclohexane	20	19.7	ug/L	99			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.8	ug/L	94			77	113	
	1,2-Dichloropropane	20	19.2	ug/L	96			83	111	
	Bromodichloromethane	20	19.9	ug/L	100			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			82	110	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	18.5	ug/L	93			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	
	1,1,1,2-Tetrachloroethane	20	19.2	ug/L	96			84	111	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	39.3	ug/L	98			82	110	
	o-Xylene	20	19.6	ug/L	98			83	109	
	Styrene	20	19.7	ug/L	99			80	111	
	Bromoform	20	18.1	ug/L	91			79	109	
	Isopropylbenzene	20	20.1	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			68	112	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N1497

Client: Envirotrac Environmental Services Ltd.

Analytical Method: SW8260-Low **Datafile :** VX026962.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0211WBS01	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			74	114	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			77	113	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0210WBL03

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026940.D Lab Sample ID: VX0210WBL03

Date Analyzed: 02/10/2022 Time Analyzed: 23:41

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0210WBS03	VX0210WBS03	VX026941.D	02/11/2022
MW-7S	N1497-01	VX026953.D	02/11/2022
MW-5	N1497-03	VX026955.D	02/11/2022
MW-BLIND-DUPLICATE	N1497-06	VX026956.D	02/11/2022

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0211WBL01

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026961.D Lab Sample ID: VX0211WBL01

Date Analyzed: 02/11/2022 Time Analyzed: 12:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0211WBS01	VX0211WBS01	VX026962.D	02/11/2022
MW-7SDL	N1497-01DL	VX026966.D	02/11/2022
MW-7D	N1497-02	VX026972.D	02/11/2022
MW-5MS	N1497-04MS	VX026980.D	02/11/2022
MW-5MSD	N1497-05MSD	VX026981.D	02/11/2022

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026801.D BFB Injection Date: 02/07/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:25

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.6 (7.7) 1
176	95.0 - 101.0% of mass 174	70.3 (96.1) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX026802.D	02/07/2022	23:57
VSTDICC005	VSTDICC005	VX026803.D	02/08/2022	00:43
VSTDICC020	VSTDICC020	VX026804.D	02/08/2022	01:06
VSTDICCC050	VSTDICCC050	VX026805.D	02/08/2022	01:29
VSTDICC100	VSTDICC100	VX026806.D	02/08/2022	01:52
VSTDICC150	VSTDICC150	VX026807.D	02/08/2022	02:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026938.D BFB Injection Date: 02/10/2022

Instrument ID: MSVOA_X BFB Injection Time: 22:09

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	69.4
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	69.8 (100.7) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026939.D	02/10/2022	22:54
VX0210WBL03	VX0210WBL03	VX026940.D	02/10/2022	23:41
VX0210WBS03	VX0210WBS03	VX026941.D	02/11/2022	00:27
MW-7S	N1497-01	VX026953.D	02/11/2022	05:03
MW-5	N1497-03	VX026955.D	02/11/2022	05:49
MW-BLIND-DUPLICATE	N1497-06	VX026956.D	02/11/2022	06:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026958.D BFB Injection Date: 02/11/2022

Instrument ID: MSVOA_X BFB Injection Time: 09:27

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	70.2 (98.1) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX026959.D	02/11/2022	11:59
VX0211WBL01	VX0211WBL01	VX026961.D	02/11/2022	12:54
VX0211WBS01	VX0211WBS01	VX026962.D	02/11/2022	13:21
MW-7SDL	N1497-01DL	VX026966.D	02/11/2022	14:56
MW-7D	N1497-02	VX026972.D	02/11/2022	17:15
MW-5MS	N1497-04MS	VX026980.D	02/11/2022	20:20
MW-5MSD	N1497-05MSD	VX026981.D	02/11/2022	20:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026939.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 22:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92759	5.56	153310	6.76	138116	10.06
UPPER LIMIT	185518	6.062	306620	7.263	276232	10.555
LOWER LIMIT	46379.5	5.062	76655	6.263	69058	9.555
EPA SAMPLE NO.						
MW-7S	122726	5.56	204843	6.76	188806	10.06
MW-5	126615	5.56	213889	6.76	187938	10.06
MW-BLIND-DUPLICATE	121456	5.56	203043	6.76	189177	10.06
VX0210WBL03	124035	5.56	205936	6.76	187420	10.06
VX0210WBS03	93729	5.56	153153	6.76	139000	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026939.D Date Analyzed: 02/10/2022

Instrument ID: MSVOA_X Time Analyzed: 22:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	61127	12.024				
UPPER LIMIT	122254	12.524				
LOWER LIMIT	30563.5	11.524				
EPA SAMPLE NO.						
MW-7S	81620	12.02				
MW-5	78718	12.02				
MW-BLIND-DUPLICATE	81680	12.02				
VX0210WBL03	79561	12.02				
VX0210WBS03	61956	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

 # Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026959.D Date Analyzed: 02/11/2022

Instrument ID: MSVOA_X Time Analyzed: 11:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	95221	5.56	151113	6.76	130795	10.06
UPPER LIMIT	190442	6.056	302226	7.263	261590	10.555
LOWER LIMIT	47610.5	5.056	75556.5	6.263	65397.5	9.555
EPA SAMPLE NO.						
MW-7SDL	116934	5.56	196264	6.76	167043	10.06
MW-7D	112048	5.56	189725	6.77	169701	10.06
MW-5MS	82645	5.56	135615	6.77	120787	10.06
MW-5MSD	85569	5.56	140719	6.77	126352	10.06
VX0211WBL01	120975	5.56	202826	6.76	182354	10.06
VX0211WBS01	101568	5.56	162750	6.76	142946	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG NO.: N1497

Lab File ID: VX026959.D Date Analyzed: 02/11/2022

Instrument ID: MSVOA_X Time Analyzed: 11:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	58555	12.024				
UPPER LIMIT	117110	12.524				
LOWER LIMIT	29277.5	11.524				
EPA SAMPLE NO.						
MW-7SDL	70578	12.02				
MW-7D	71705	12.02				
MW-5MS	56324	12.02				
MW-5MSD	57215	12.02				
VX0211WBL01	76188	12.02				
VX0211WBS01	64857	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1497
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1497
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	53.7		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		83 - 123	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.562			
540-36-3	1,4-Difluorobenzene	206000	6.763			
3114-55-4	Chlorobenzene-d5	187000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79600	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBL03	SDG No.:	N1497
Lab Sample ID:	VX0210WBL03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026940.D	1		02/10/22 23:41	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1497
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.23	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.20	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.19	1.00	ug/L
74-83-9	Bromomethane	5.00	U	0.87	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.26	1.00	ug/L
67-64-1	Acetone	5.00	U	1.60	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.22	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.47	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.21	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.30	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.14	1.00	ug/L
71-43-2	Benzene	1.00	U	0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.25	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.17	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.87	5.00	ug/L
108-88-3	Toluene	1.00	U	0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1497
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	5.00	U	0.92	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.00	U	0.19	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.18	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.51	3.00	ug/L
100-42-5	Styrene	1.00	U	0.16	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		78 - 117	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	53.2		92 - 112	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	121000	5.556			
540-36-3	1,4-Difluorobenzene	203000	6.763			
3114-55-4	Chlorobenzene-d5	182000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	76200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBL01	SDG No.:	N1497
Lab Sample ID:	VX0211WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026961.D	1		02/11/22 12:54	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1497
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.8		0.23	1.00	ug/L
74-87-3	Chloromethane	21.8		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	21.4		0.19	1.00	ug/L
74-83-9	Bromomethane	23.9		0.87	5.00	ug/L
75-00-3	Chloroethane	21.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
67-64-1	Acetone	100		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.22	1.00	ug/L
79-20-9	Methyl Acetate	20.0		0.47	1.00	ug/L
75-09-2	Methylene Chloride	20.3		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.21	1.00	ug/L
110-82-7	Cyclohexane	20.6		1.30	5.00	ug/L
78-93-3	2-Butanone	110		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.14	1.00	ug/L
71-43-2	Benzene	20.2		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.25	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.87	5.00	ug/L
108-88-3	Toluene	20.6		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.0		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1497
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	110		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.17	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.18	1.00	ug/L
1330-20-7	Total Xylenes	60.1		0.51	3.00	ug/L
100-42-5	Styrene	20.6		0.16	1.00	ug/L
75-25-2	Bromoform	18.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.9		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		78 - 117	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	50.0		92 - 112	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		83 - 123	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93700	5.562			
540-36-3	1,4-Difluorobenzene	153000	6.763			
3114-55-4	Chlorobenzene-d5	139000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	62000	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0210WBS03	SDG No.:	N1497
Lab Sample ID:	VX0210WBS03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026941.D	1		02/11/22 00:27	VX021022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1497
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		0.23	1.00	ug/L
74-87-3	Chloromethane	19.3		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.19	1.00	ug/L
74-83-9	Bromomethane	19.3		0.87	5.00	ug/L
75-00-3	Chloroethane	18.3		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	1.00	ug/L
67-64-1	Acetone	110		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.22	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.47	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.21	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.30	5.00	ug/L
78-93-3	2-Butanone	100		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.22	1.00	ug/L
67-66-3	Chloroform	18.8		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		0.14	1.00	ug/L
71-43-2	Benzene	19.1		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.25	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.87	5.00	ug/L
108-88-3	Toluene	19.3		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1497
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	100		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.18	1.00	ug/L
1330-20-7	Total Xylenes	58.9		0.51	3.00	ug/L
100-42-5	Styrene	19.7		0.16	1.00	ug/L
75-25-2	Bromoform	18.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		78 - 117	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	48.9		92 - 112	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		83 - 123	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	102000	5.556			
540-36-3	1,4-Difluorobenzene	163000	6.763			
3114-55-4	Chlorobenzene-d5	143000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	64900	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	
Client Sample ID:	VX0211WBS01	SDG No.:	N1497
Lab Sample ID:	VX0211WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026962.D	1		02/11/22 13:21	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MS	SDG No.:	N1497
Lab Sample ID:	N1497-04MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026980.D	1		02/11/22 20:20	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	53.3		0.23	1.00	ug/L
74-87-3	Chloromethane	54.2		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	51.2		0.19	1.00	ug/L
74-83-9	Bromomethane	47.6		0.87	5.00	ug/L
75-00-3	Chloroethane	60.0		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.1		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	52.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.9		0.26	1.00	ug/L
67-64-1	Acetone	270		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	48.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	50.4		0.22	1.00	ug/L
79-20-9	Methyl Acetate	47.8		0.47	1.00	ug/L
75-09-2	Methylene Chloride	52.1		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.5		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.1		0.21	1.00	ug/L
110-82-7	Cyclohexane	51.7		1.30	5.00	ug/L
78-93-3	2-Butanone	280		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.2		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.2		0.22	1.00	ug/L
67-66-3	Chloroform	52.7		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	51.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	52.0		0.14	1.00	ug/L
71-43-2	Benzene	52.5		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.7		0.25	1.00	ug/L
79-01-6	Trichloroethene	50.1		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	53.1		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	55.7		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.87	5.00	ug/L
108-88-3	Toluene	52.3		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	50.6		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	55.1		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	55.8		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MS	SDG No.:	N1497
Lab Sample ID:	N1497-04MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026980.D	1		02/11/22 20:20	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	280		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	57.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	56.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	47.1		0.17	1.00	ug/L
108-90-7	Chlorobenzene	51.7		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	53.2		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	52.8		0.18	1.00	ug/L
1330-20-7	Total Xylenes	153		0.51	3.00	ug/L
100-42-5	Styrene	53.2		0.16	1.00	ug/L
75-25-2	Bromoform	49.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	51.5		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	54.1		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.9		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.9		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	51.7		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.0		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.2		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.4		92 - 112	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		83 - 123	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82600	5.556			
540-36-3	1,4-Difluorobenzene	136000	6.769			
3114-55-4	Chlorobenzene-d5	121000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	56300	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MS	SDG No.:	N1497
Lab Sample ID:	N1497-04MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026980.D	1		02/11/22 20:20	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MSD	SDG No.:	N1497
Lab Sample ID:	N1497-05MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026981.D	1		02/11/22 20:43	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	51.3		0.23	1.00	ug/L
74-87-3	Chloromethane	51.9		0.20	1.00	ug/L
75-01-4	Vinyl Chloride	50.5		0.19	1.00	ug/L
74-83-9	Bromomethane	45.6		0.87	5.00	ug/L
75-00-3	Chloroethane	56.2		0.35	1.00	ug/L
75-69-4	Trichlorofluoromethane	50.4		0.25	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.5		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	49.8		0.26	1.00	ug/L
67-64-1	Acetone	270		1.60	5.00	ug/L
75-15-0	Carbon Disulfide	47.0		0.25	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	49.5		0.22	1.00	ug/L
79-20-9	Methyl Acetate	47.2		0.47	1.00	ug/L
75-09-2	Methylene Chloride	51.0		0.18	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	50.6		0.19	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.8		0.21	1.00	ug/L
110-82-7	Cyclohexane	50.1		1.30	5.00	ug/L
78-93-3	2-Butanone	270		0.90	5.00	ug/L
56-23-5	Carbon Tetrachloride	50.2		0.27	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	51.9		0.22	1.00	ug/L
67-66-3	Chloroform	51.3		0.27	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	50.8		0.14	1.00	ug/L
71-43-2	Benzene	51.0		0.18	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.5		0.25	1.00	ug/L
79-01-6	Trichloroethene	48.7		0.17	1.00	ug/L
78-87-5	1,2-Dichloropropane	51.5		0.17	1.00	ug/L
75-27-4	Bromodichloromethane	54.2		0.20	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.87	5.00	ug/L
108-88-3	Toluene	51.4		0.22	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	50.4		0.18	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	54.8		0.17	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	55.4		0.24	1.00	ug/L

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MSD	SDG No.:	N1497
Lab Sample ID:	N1497-05MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026981.D	1		02/11/22 20:43	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
591-78-6	2-Hexanone	270		0.92	5.00	ug/L
124-48-1	Dibromochloromethane	57.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	54.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	45.5		0.17	1.00	ug/L
108-90-7	Chlorobenzene	51.2		0.17	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	51.9		0.19	1.00	ug/L
100-41-4	Ethyl Benzene	51.8		0.18	1.00	ug/L
1330-20-7	Total Xylenes	151		0.51	3.00	ug/L
100-42-5	Styrene	52.5		0.16	1.00	ug/L
75-25-2	Bromoform	48.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	52.1		0.23	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	54.2		0.29	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.9		0.19	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.1		0.20	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.6		0.47	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	52.4		0.30	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.5		0.35	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		78 - 117	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	53.5		92 - 112	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		83 - 123	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	85600	5.562			
540-36-3	1,4-Difluorobenzene	141000	6.769			
3114-55-4	Chlorobenzene-d5	126000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	57200	12.024			

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5MSD	SDG No.:	N1497
Lab Sample ID:	N1497-05MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX026981.D	1		02/11/22 20:43	VX021122

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.534	0.505	0.549	0.536	0.590	0.548	0.544	5.1
Chloromethane	0.544	0.485	0.512	0.486	0.521	0.486	0.506	4.8
Vinyl Chloride	0.507	0.517	0.534	0.519	0.570	0.529	0.529	4.2
Bromomethane		0.227	0.226	0.205	0.242	0.223	0.225	6
Chloroethane	0.320	0.304	0.317	0.303	0.239	0.204	0.281	17
Trichlorofluoromethane	0.769	0.752	0.760	0.770	0.843	0.782	0.779	4.2
1,1,2-Trichlorotrifluoroethane	0.477	0.511	0.509	0.499	0.557	0.511	0.511	5.1
1,1-Dichloroethene	0.505	0.508	0.495	0.499	0.552	0.510	0.512	4
Acetone	0.313	0.266	0.253	0.245	0.263	0.242	0.264	9.8
Carbon Disulfide	1.507	1.402	1.401	1.393	1.553	1.435	1.449	4.6
Methyl tert-butyl Ether	1.873	1.792	1.760	1.744	1.929	1.770	1.811	4
Methyl Acetate	0.915	0.748	0.732	0.708	0.751	0.697	0.758	10.5
Methylene Chloride	0.648	0.571	0.550	0.533	0.587	0.538	0.571	7.5
trans-1,2-Dichloroethene	0.497	0.533	0.529	0.530	0.594	0.547	0.538	5.9
1,1-Dichloroethane	0.952	0.975	0.976	0.960	1.073	0.988	0.987	4.4
Cyclohexane		0.963	0.932	0.927	1.012	0.935	0.954	3.7
2-Butanone	0.433	0.424	0.432	0.415	0.441	0.404	0.425	3.2
Carbon Tetrachloride	0.505	0.455	0.469	0.476	0.543	0.509	0.493	6.5
cis-1,2-Dichloroethene	0.569	0.612	0.617	0.610	0.679	0.622	0.618	5.7
Chloroform	1.085	1.028	1.006	0.977	1.075	0.984	1.026	4.5
1,1,1-Trichloroethane	0.868	0.882	0.875	0.888	0.994	0.920	0.905	5.2
Methylcyclohexane	0.540	0.553	0.568	0.565	0.638	0.594	0.576	6.1
Benzene	1.401	1.355	1.341	1.320	1.450	1.351	1.370	3.5
1,2-Dichloroethane	0.464	0.474	0.485	0.472	0.521	0.479	0.483	4.2
Trichloroethene	0.398	0.402	0.403	0.400	0.447	0.417	0.411	4.6
1,2-Dichloropropane	0.349	0.342	0.345	0.335	0.371	0.339	0.347	3.7
Bromodichloromethane	0.429	0.435	0.456	0.457	0.509	0.470	0.459	6.3
4-Methyl-2-Pentanone	0.523	0.490	0.521	0.480	0.511	0.462	0.498	4.9
Toluene	0.946	0.848	0.856	0.824	0.903	0.826	0.867	5.5
t-1,3-Dichloropropene	0.350	0.383	0.448	0.463	0.536	0.496	0.446	15.5
cis-1,3-Dichloropropene	0.424	0.449	0.503	0.523	0.592	0.551	0.507	12.4
1,1,2-Trichloroethane	0.321	0.328	0.337	0.321	0.348	0.315	0.328	3.7
2-Hexanone	0.362	0.353	0.384	0.354	0.383	0.350	0.364	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Calibration Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX026802.D RRF005 = VX026803.D RRF020 = VX026804.D
RRF050 = VX026805.D RRF100 = VX026806.D RRF150 = VX026807.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.285	0.309	0.348	0.343	0.388	0.354	0.338	10.7
1,2-Dibromoethane	0.332	0.335	0.358	0.341	0.373	0.343	0.347	4.5
Tetrachloroethene	0.453	0.496	0.512	0.508	0.546	0.498	0.502	6
Chlorobenzene	1.041	1.041	1.023	1.000	1.095	1.004	1.034	3.3
1,1,1,2-Tetrachloroethane	0.356	0.367	0.379	0.375	0.419	0.386	0.380	5.7
Ethyl Benzene	1.702	1.817	1.839	1.807	1.990	1.826	1.830	5
m/p-Xylenes	0.688	0.693	0.701	0.687	0.757	0.699	0.704	3.8
o-Xylene	0.688	0.685	0.686	0.672	0.735	0.675	0.690	3.3
Styrene	1.026	1.076	1.136	1.108	1.230	1.139	1.119	6.1
Bromoform	0.199	0.238	0.262	0.268	0.315	0.299	0.263	15.9
Isopropylbenzene	3.918	3.954	4.077	3.901	4.097	3.684	3.938	3.8
1,1,2,2-Tetrachloroethane	1.153	1.117	1.064	0.996	1.081	1.002	1.069	5.8
1,3-Dichlorobenzene	1.749	1.687	1.695	1.650	1.838	1.673	1.715	4
1,4-Dichlorobenzene	1.773	1.710	1.729	1.654	1.821	1.693	1.730	3.4
1,2-Dichlorobenzene	1.615	1.685	1.656	1.616	1.754	1.605	1.655	3.5
1,2-Dibromo-3-Chloropropane	0.225	0.237	0.250	0.269	0.305	0.292	0.263	11.9
1,2,4-Trichlorobenzene	0.970	0.945	1.015	1.038	1.180	1.120	1.045	8.6
1,2,3-Trichlorobenzene	0.970	0.997	1.041	1.048	1.185	1.105	1.058	7.3
1,2-Dichloroethane-d4		0.622	0.609	0.555	0.621	0.593	0.600	4.7
Dibromofluoromethane		0.297	0.302	0.272	0.313	0.305	0.298	5.3
Toluene-d8		1.080	1.148	1.004	1.134	1.103	1.093	5.2
4-Bromofluorobenzene		0.371	0.400	0.352	0.407	0.395	0.385	5.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 22:54

Lab File ID: VX026939.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.564		3.68	20
Chloromethane	0.506	0.538	0.1	6.32	20
Vinyl Chloride	0.529	0.566		6.99	20
Bromomethane	0.225	0.224		-0.44	20
Chloroethane	0.281	0.319		13.52	20
Trichlorofluoromethane	0.779	0.807		3.59	20
1,1,2-Trichlorotrifluoroethane	0.511	0.511		0	20
1,1-Dichloroethene	0.512	0.509		-0.59	20
Acetone	0.264	0.270		2.27	20
Carbon Disulfide	1.449	1.351		-6.76	20
Methyl tert-butyl Ether	1.811	1.780		-1.71	20
Methyl Acetate	0.758	0.745		-1.72	20
Methylene Chloride	0.571	0.581		1.75	20
trans-1,2-Dichloroethene	0.538	0.548		1.86	20
1,1-Dichloroethane	0.987	1.018	0.1	3.14	20
Cyclohexane	0.954	0.964		1.05	20
2-Butanone	0.425	0.444		4.47	20
Carbon Tetrachloride	0.493	0.490		-0.61	20
cis-1,2-Dichloroethene	0.618	0.643		4.05	20
Chloroform	1.026	1.043		1.66	20
1,1,1-Trichloroethane	0.905	0.919		1.55	20
Methylcyclohexane	0.576	0.583		1.22	20
Benzene	1.370	1.379		0.66	20
1,2-Dichloroethane	0.483	0.508		5.18	20
Trichloroethene	0.411	0.403		-1.95	20
1,2-Dichloropropane	0.347	0.355		2.31	20
Bromodichloromethane	0.459	0.491		6.97	20
4-Methyl-2-Pentanone	0.498	0.524		5.22	20
Toluene	0.867	0.881		1.62	20
t-1,3-Dichloropropene	0.446	0.498		11.66	20
cis-1,3-Dichloropropene	0.507	0.550		8.48	20
1,1,2-Trichloroethane	0.328	0.355		8.23	20
2-Hexanone	0.364	0.379		4.12	20
Dibromochloromethane	0.338	0.376		11.24	20
1,2-Dibromoethane	0.347	0.375		8.07	20
Tetrachloroethene	0.502	0.472		-5.98	20
Chlorobenzene	1.034	1.041	0.3	0.68	20
1,1,1,2-Tetrachloroethane	0.380	0.383		0.79	20
Ethyl Benzene	1.830	1.891		3.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date/Time: 02/10/2022 22:54

Lab File ID: VX026939.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.714		1.42	20
o-Xylene	0.690	0.693		0.44	20
Styrene	1.119	1.151		2.86	20
Bromoform	0.263	0.271	0.1	3.04	20
Isopropylbenzene	3.938	4.138		5.08	20
1,1,2,2-Tetrachloroethane	1.069	1.088	0.3	1.78	20
1,3-Dichlorobenzene	1.715	1.718		0.17	20
1,4-Dichlorobenzene	1.730	1.722		-0.46	20
1,2-Dichlorobenzene	1.655	1.667		0.73	20
1,2-Dibromo-3-Chloropropane	0.263	0.258		-1.9	20
1,2,4-Trichlorobenzene	1.045	1.062		1.63	20
1,2,3-Trichlorobenzene	1.058	1.066		0.76	20
1,2-Dichloroethane-d4	0.600	0.651		8.5	20
Dibromofluoromethane	0.298	0.309		3.69	20
Toluene-d8	1.093	1.194		9.24	20
4-Bromofluorobenzene	0.385	0.429		11.43	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2022 11:59

Lab File ID: VX026959.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.544	0.527		-3.13	20
Chloromethane	0.506	0.483	0.1	-4.55	20
Vinyl Chloride	0.529	0.510		-3.59	20
Bromomethane	0.225	0.215		-4.44	20
Chloroethane	0.281	0.297		5.69	20
Trichlorofluoromethane	0.779	0.748		-3.98	20
1,1,2-Trichlorotrifluoroethane	0.511	0.500		-2.15	20
1,1-Dichloroethene	0.512	0.473		-7.62	20
Acetone	0.264	0.314		18.94	20
Carbon Disulfide	1.449	1.295		-10.63	20
Methyl tert-butyl Ether	1.811	1.773		-2.1	20
Methyl Acetate	0.758	0.720		-5.01	20
Methylene Chloride	0.571	0.551		-3.5	20
trans-1,2-Dichloroethene	0.538	0.521		-3.16	20
1,1-Dichloroethane	0.987	0.973	0.1	-1.42	20
Cyclohexane	0.954	0.905		-5.14	20
2-Butanone	0.425	0.441		3.77	20
Carbon Tetrachloride	0.493	0.487		-1.22	20
cis-1,2-Dichloroethene	0.618	0.619		0.16	20
Chloroform	1.026	1.004		-2.14	20
1,1,1-Trichloroethane	0.905	0.868		-4.09	20
Methylcyclohexane	0.576	0.590		2.43	20
Benzene	1.370	1.370		0	20
1,2-Dichloroethane	0.483	0.512		6	20
Trichloroethene	0.411	0.402		-2.19	20
1,2-Dichloropropane	0.347	0.355		2.31	20
Bromodichloromethane	0.459	0.491		6.97	20
4-Methyl-2-Pentanone	0.498	0.506		1.61	20
Toluene	0.867	0.858		-1.04	20
t-1,3-Dichloropropene	0.446	0.516		15.69	20
cis-1,3-Dichloropropene	0.507	0.577		13.81	20
1,1,2-Trichloroethane	0.328	0.346		5.49	20
2-Hexanone	0.364	0.374		2.75	20
Dibromochloromethane	0.338	0.367		8.58	20
1,2-Dibromoethane	0.347	0.370		6.63	20
Tetrachloroethene	0.502	0.480		-4.38	20
Chlorobenzene	1.034	1.027	0.3	-0.68	20
1,1,1,2-Tetrachloroethane	0.380	0.392		3.16	20
Ethyl Benzene	1.830	1.858		1.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27

Lab Code: CHEM Case No.: N1497 SAS No.: N1497 SDG No.: N1497

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2022 11:59

Lab File ID: VX026959.D Init. Calib. Date(s): 02/07/2022 02/08/2022

Heated Purge: (Y/N) N Init. Calib. Time(s): 23:57 02:15

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.704	0.702		-0.28	20
o-Xylene	0.690	0.683		-1.01	20
Styrene	1.119	1.138		1.7	20
Bromoform	0.263	0.281	0.1	6.84	20
Isopropylbenzene	3.938	3.996		1.47	20
1,1,2,2-Tetrachloroethane	1.069	1.083	0.3	1.31	20
1,3-Dichlorobenzene	1.715	1.737		1.28	20
1,4-Dichlorobenzene	1.730	1.739		0.52	20
1,2-Dichlorobenzene	1.655	1.698		2.6	20
1,2-Dibromo-3-Chloropropane	0.263	0.266		1.14	20
1,2,4-Trichlorobenzene	1.045	1.111		6.32	20
1,2,3-Trichlorobenzene	1.058	1.113		5.2	20
1,2-Dichloroethane-d4	0.600	0.573		-4.5	20
Dibromofluoromethane	0.298	0.284		-4.7	20
Toluene-d8	1.093	1.046		-4.3	20
4-Bromofluorobenzene	0.385	0.365		-5.2	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N1497	**OrderDate:**	2/10/2022 4:00:00 PM
Client:	Envirotrac Environmental Services Ltd.	**Project:**	NYSDEC Crown Dykman – Glen Cove
Contact:	Mike Rose	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N1497-01	**MW-7S**	**Water**			**02/10/22**			**02/10/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1497-02	**MW-7D**	**Water**			**02/10/22**			**02/10/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1497-03	**MW-5**	**Water**			**02/10/22**			**02/10/22**
			Metals Group4	6010D		02/15/22	02/15/22	
N1497-07	**MW-7S**	**Water**			**02/10/22**			**02/10/22**
			Dissolved ICP-Group2	6010D		02/17/22	02/17/22	
N1497-08	**MW-7D**	**Water**			**02/10/22**			**02/10/22**
			Dissolved ICP-Group2	6010D		02/17/22	02/17/22	
N1497-09	**MW-5**	**Water**			**02/10/22**			**02/10/22**
			Dissolved ICP-Group2	6010D		02/17/22	02/17/22	

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Hit Summary Sheet
SW-846

SDG No.: N1497 **Order ID:** N1497

Client: Envirotrac Environmental Services Ltd. **Project ID:** NYSDEC Crown Dykman – Glen Cove

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-7S								
N1497-01	MW-7S	Water	Iron	101.000		9.31	50.0	ug/L
N1497-01	MW-7S	Water	Manganese	4,660.000		0.85	10.0	ug/L
N1497-01	MW-7S	Water	Sodium	62,700.000		167	1000	ug/L
Client ID : MW-7D								
N1497-02	MW-7D	Water	Iron	40,000.000		9.31	50.0	ug/L
N1497-02	MW-7D	Water	Manganese	3,430.000		0.85	10.0	ug/L
N1497-02	MW-7D	Water	Sodium	28,800.000		167	1000	ug/L
Client ID : MW-5								
N1497-03	MW-5	Water	Iron	4,660.000		9.31	50.0	ug/L
N1497-03	MW-5	Water	Manganese	1,220.000		0.85	10.0	ug/L
N1497-03	MW-5	Water	Sodium	147,000.000		167	1000	ug/L
Client ID : MW-7S								
N1497-07	MW-7S	Water	Iron	15.400	J	9.31	50.0	ug/L
N1497-07	MW-7S	Water	Manganese	4,900.000		0.85	10.0	ug/L
Client ID : MW-7D								
N1497-08	MW-7D	Water	Iron	42.400	J	9.31	50.0	ug/L
N1497-08	MW-7D	Water	Manganese	1,600.000		0.85	10.0	ug/L
Client ID : MW-5								
N1497-09	MW-5	Water	Iron	11.800	J	9.31	50.0	ug/L
N1497-09	MW-5	Water	Manganese	1,240.000		0.85	10.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7S	SDG No.:	N1497
Lab Sample ID:	N1497-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	101		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:26	SW6010
7439-96-5	Manganese	4660		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:26	SW6010
7440-23-5	Sodium	62700		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:26	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7D	SDG No.:	N1497
Lab Sample ID:	N1497-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	40000		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:30	SW6010
7439-96-5	Manganese	3430		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:30	SW6010
7440-23-5	Sodium	28800		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:30	SW6010

Color Before:	Yellow	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Cloudy	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5	SDG No.:	N1497
Lab Sample ID:	N1497-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	4660		1	9.31	50.0	ug/L	02/15/22 11:50	02/15/22 19:41	SW6010
7439-96-5	Manganese	1220		1	0.85	10.0	ug/L	02/15/22 11:50	02/15/22 19:41	SW6010
7440-23-5	Sodium	147000		1	167	1000	ug/L	02/15/22 11:50	02/15/22 19:41	SW6010

Color Before:	Yellow	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Cloudy	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7S	SDG No.:	N1497
Lab Sample ID:	N1497-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	15.4	J	1	9.31	50.0	ug/L	02/17/22 11:07	02/17/22 15:49	SW6010
7439-96-5	Manganese	4900		1	0.85	10.0	ug/L	02/17/22 11:07	02/17/22 15:49	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-7D	SDG No.:	N1497
Lab Sample ID:	N1497-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	42.4	J	1	9.31	50.0	ug/L	02/17/22 11:07	02/17/22 15:53	SW6010
7439-96-5	Manganese	1600		1	0.85	10.0	ug/L	02/17/22 11:07	02/17/22 15:53	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Envirotrac Environmental Services Ltd.	Date Collected:	02/10/22
Project:	NYSDEC Crown Dykman – Glen Cove	Date Received:	02/10/22
Client Sample ID:	MW-5	SDG No.:	N1497
Lab Sample ID:	N1497-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7439-89-6	Iron	11.8	J	1	9.31	50.0	ug/L	02/17/22 11:07	02/17/22 15:57	SW6010
7439-96-5	Manganese	1240		1	0.85	10.0	ug/L	02/17/22 11:07	02/17/22 15:57	SW6010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group3

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10100	10000	101	90 - 110	P	02/15/2022	16:12	LB118685
	Manganese	538	520	104	90 - 110	P	02/15/2022	16:12	LB118685
	Sodium	9680	10000	97	90 - 110	P	02/15/2022	16:12	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	107	100	106	80 - 120	P	02/15/2022	16:17	LB118685
	Manganese	23.1	20.0	116	80 - 120	P	02/15/2022	16:17	LB118685
	Sodium	1960	2000	98	80 - 120	P	02/15/2022	16:17	LB118685

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4880	5000	98	90 - 110	P	02/15/2022	16:53	LB118685
	Manganese	2470	2500	99	90 - 110	P	02/15/2022	16:53	LB118685
	Sodium	24500	25000	98	90 - 110	P	02/15/2022	16:53	LB118685

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	117	100	117	80 - 120	P	02/15/2022	16:57	LB118685
	Manganese	23.5	20.0	117	80 - 120	P	02/15/2022	16:57	LB118685
	Sodium	1880	2000	94	80 - 120	P	02/15/2022	16:57	LB118685

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	4960	5000	99	90 - 110	P	02/15/2022	17:45	LB118685
	Manganese	2460	2500	98	90 - 110	P	02/15/2022	17:45	LB118685
	Sodium	24400	25000	98	90 - 110	P	02/15/2022	17:45	LB118685
CCV03	Iron	4690	5000	94	90 - 110	P	02/15/2022	18:46	LB118685
	Manganese	2400	2500	96	90 - 110	P	02/15/2022	18:46	LB118685
	Sodium	23300	25000	93	90 - 110	P	02/15/2022	18:46	LB118685
CCV04	Iron	4590	5000	92	90 - 110	P	02/15/2022	19:33	LB118685
	Manganese	2380	2500	95	90 - 110	P	02/15/2022	19:33	LB118685
	Sodium	22700	25000	91	90 - 110	P	02/15/2022	19:33	LB118685
CCV05	Iron	4730	5000	95	90 - 110	P	02/15/2022	20:21	LB118685
	Manganese	2320	2500	93	90 - 110	P	02/15/2022	20:21	LB118685
	Sodium	24300	25000	97	90 - 110	P	02/15/2022	20:21	LB118685
CCV06	Iron	4460	5000	89	90 - 110	P	02/15/2022	21:23	LB118685
	Manganese	2420	2500	97	90 - 110	P	02/15/2022	21:23	LB118685
	Sodium	22300	25000	89	90 - 110	P	02/15/2022	21:23	LB118685

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	10200	10000	102	90 - 110	P	02/17/2022	13:37	LB118724
	Manganese	544	520	105	90 - 110	P	02/17/2022	13:37	LB118724
	Sodium	9750	10000	98	90 - 110	P	02/17/2022	13:37	LB118724

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	112	100	112	80 - 120	P	02/17/2022	13:45	LB118724
	Manganese	23.2	20.0	116	80 - 120	P	02/17/2022	13:45	LB118724
	Sodium	1970	2000	98	80 - 120	P	02/17/2022	13:45	LB118724

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4880	5000	98	90 - 110	P	02/17/2022	14:05	LB118724
	Manganese	2490	2500	100	90 - 110	P	02/17/2022	14:05	LB118724
	Sodium	25500	25000	102	90 - 110	P	02/17/2022	14:05	LB118724

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Iron	109	100	109	80 - 120	P	02/17/2022	14:09	LB118724
	Manganese	24.5	20.0	122	80 - 120	P	02/17/2022	14:09	LB118724
	Sodium	1930	2000	97	80 - 120	P	02/17/2022	14:09	LB118724

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Iron	5170	5000	103	90 - 110	P	02/17/2022	15:22	LB118724
	Manganese	2470	2500	99	90 - 110	P	02/17/2022	15:22	LB118724
	Sodium	25600	25000	103	90 - 110	P	02/17/2022	15:22	LB118724
CCV03	Iron	4960	5000	99	90 - 110	P	02/17/2022	16:29	LB118724
	Manganese	2490	2500	100	90 - 110	P	02/17/2022	16:29	LB118724
	Sodium	25000	25000	100	90 - 110	P	02/17/2022	16:29	LB118724
CCV04	Iron	4820	5000	96	90 - 110	P	02/17/2022	17:18	LB118724
	Manganese	2480	2500	99	90 - 110	P	02/17/2022	17:18	LB118724
	Sodium	24600	25000	98	90 - 110	P	02/17/2022	17:18	LB118724
CCV05	Iron	4740	5000	95	90 - 110	P	02/17/2022	18:21	LB118724
	Manganese	2410	2500	97	90 - 110	P	02/17/2022	18:21	LB118724
	Sodium	25700	25000	103	90 - 110	P	02/17/2022	18:21	LB118724
CCV06	Iron	4630	5000	93	90 - 110	P	02/17/2022	19:19	LB118724
	Manganese	2510	2500	100	90 - 110	P	02/17/2022	19:19	LB118724
	Sodium	24800	25000	99	90 - 110	P	02/17/2022	19:19	LB118724
CCV07	Iron	4640	5000	93	90 - 110	P	02/17/2022	20:09	LB118724
	Manganese	2680	2500	107	90 - 110	P	02/17/2022	20:09	LB118724
	Sodium	22400	25000	90	90 - 110	P	02/17/2022	20:09	LB118724

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	106	100	106	40 - 160	P	02/15/2022	16:41	LB118685
	Manganese	23.1	20.0	116	40 - 160	P	02/15/2022	16:41	LB118685
	Sodium	1930	2000	97	40 - 160	P	02/15/2022	16:41	LB118685
CRI01	Iron	109	100	109	40 - 160	P	02/17/2022	13:53	LB118724
	Manganese	24.2	20.0	121	40 - 160	P	02/17/2022	13:53	LB118724
	Sodium	2000	2000	100	40 - 160	P	02/17/2022	13:53	LB118724

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/15/2022	16:20	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	16:20	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	16:20	LB118685

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/15/2022	17:01	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:01	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:01	LB118685
CCB02	Iron	100	+/-100	U	100	P	02/15/2022	17:48	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	17:48	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	17:48	LB118685
CCB03	Iron	100	+/-100	U	100	P	02/15/2022	18:50	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	18:50	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	18:50	LB118685
CCB04	Iron	100	+/-100	U	100	P	02/15/2022	19:37	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	19:37	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	19:37	LB118685
CCB05	Iron	100	+/-100	U	100	P	02/15/2022	20:25	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	20:25	LB118685
	Sodium	2000	+/-2000	U	2000	P	02/15/2022	20:25	LB118685
CCB06	Iron	100	+/-100	U	100	P	02/15/2022	21:27	LB118685
	Manganese	20.0	+/-20.0	U	20.0	P	02/15/2022	21:27	LB118685
	Sodium	1820	+/-2000	J	2000	P	02/15/2022	21:27	LB118685

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	02/17/2022	13:49	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	13:49	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	13:49	LB118724

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	02/17/2022	14:13	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	14:13	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	14:13	LB118724
CCB02	Iron	100	+/-100	U	100	P	02/17/2022	15:26	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	15:26	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	15:26	LB118724
CCB03	Iron	100	+/-100	U	100	P	02/17/2022	16:33	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	16:33	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	16:33	LB118724
CCB04	Iron	100	+/-100	U	100	P	02/17/2022	17:22	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	17:22	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	17:22	LB118724
CCB05	Iron	100	+/-100	U	100	P	02/17/2022	18:25	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	18:25	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	18:25	LB118724
CCB06	Iron	100	+/-100	U	100	P	02/17/2022	19:23	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	19:23	LB118724
	Sodium	2000	+/-2000	U	2000	P	02/17/2022	19:23	LB118724
CCB07	Iron	100	+/-100	U	100	P	02/17/2022	20:13	LB118724
	Manganese	20.0	+/-20.0	U	20.0	P	02/17/2022	20:13	LB118724
	Sodium	1390	+/-2000	J	2000	P	02/17/2022	20:13	LB118724

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Metals
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PREPARATION BLANK SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB142597BL		**WATER**		**Batch Number:**	**PB142597**		**Prep Date:**	**02/15/2022**	
	Iron	50.0	<50.0	U	50.0	P	02/15/2022	17:52	LB118685
	Manganese	10.0	<10.0	U	10.0	P	02/15/2022	17:52	LB118685
	Sodium	1000	<1000	U	1000	P	02/15/2022	17:52	LB118685
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB142622BL		**WATER**		**Batch Number:**	**PB142622**		**Prep Date:**	**02/17/2022**	
	Iron	50.0	<50.0	U	50.0	P	02/17/2022	18:09	LB118724
	Manganese	10.0	<10.0	U	10.0	P	02/17/2022	18:09	LB118724
	Sodium	1000	<1000	U	1000	P	02/17/2022	18:09	LB118724

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	96800	100000	97	85000	120000	02/15/2022	16:45	LB118685
	Manganese	11.1	7.0	159	-13	27	02/15/2022	16:45	LB118685
	Sodium	-136			0	0	02/15/2022	16:45	LB118685
ICSAB01	Iron	93200	99000	94	84000	110000	02/15/2022	16:49	LB118685
	Manganese	481	510	94	430	590	02/15/2022	16:49	LB118685
	Sodium	-145			0	0	02/15/2022	16:49	LB118685
ICSA01	Iron	95900	100000	96	85000	120000	02/17/2022	13:57	LB118724
	Manganese	11.3	7.0	161	-13	27	02/17/2022	13:57	LB118724
	Sodium	-146			0	0	02/17/2022	13:57	LB118724
ICSAB01	Iron	92400	99000	93	84000	110000	02/17/2022	14:01	LB118724
	Manganese	492	510	96	430	590	02/17/2022	14:01	LB118724
	Sodium	-151			0	0	02/17/2022	14:01	LB118724

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1497

contract: ENVI27 **lab code:** CHEM **case no.:** N1497 **sas no.:** N1497

matrix: Water **sample id:** N1497-03 **client id:** MW-5MS

Percent Solids for Sample: NA **Spiked ID:** N1497-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	6100		4660		1500	96		P
Manganese	ug/L	75 - 125	1290		1220		100	68		P
Sodium	ug/L	75 - 125	153000		147000		1500	434		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1497

contract: ENVI27 **lab code:** CHEM **case no.:** N1497 **sas no.:** N1497

matrix: Water **sample id:** N1497-03 **client id:** MW-5MSD

Percent Solids for Sample: NA **Spiked ID:** N1497-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	6270		4660		1500	107		P
Manganese	ug/L	75 - 125	1330		1220		100	104		P
Sodium	ug/L	75 - 125	155000		147000		1500	569		P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1497

contract: ENVI27 **lab code:** CHEM **case no.:** N1497 **sas no.:** N1497

matrix: Water **sample id:** N1497-09 **client id:** MW-5MS

Percent Solids for Sample: NA **Spiked ID:** N1497-10 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1600		11.8	J	1500	106		P
Manganese	ug/L	90 - 114	1400		1240		100	160		P
Sodium	ug/L	87 - 115	173000		166000		1500	484		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Envirotrac Environmental Services Ltd. **level:** low **sdg no.:** N1497

contract: ENVI27 **lab code:** CHEM **case no.:** N1497 **sas no.:** N1497

matrix: Water **sample id:** N1497-09 **client id:** MW-5MSD

Percent Solids for Sample: NA **Spiked ID:** N1497-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1590		11.8	J	1500	105		P
Manganese	ug/L	90 - 114	1370		1240		100	132		P
Sodium	ug/L	87 - 115	174000		166000		1500	543		P

CHEMTECH

Metals
- 5b -

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Matrix: Water **Sample ID:** N1497-03 **Client ID:** MW-5DUP

Percent Solids for Sample: NA **Duplicate ID** N1497-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	4660		4740		2		P
Manganese	ug/L	20	1220		1220		0		P
Sodium	ug/L	20	147000		151000		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Matrix: Water **Sample ID:** N1497-04 **Client ID:** MW-5MSD

Percent Solids for Sample: NA **Duplicate ID** N1497-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	6100		6270		3		P
Manganese	ug/L	20	1290		1330		3		P
Sodium	ug/L	20	153000		155000		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Matrix: Water **Sample ID:** N1497-09 **Client ID:** MW-5DUP

Percent Solids for Sample: NA **Duplicate ID** N1497-09DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	11.8	J	11.0	J	7		P
Manganese	ug/L	20	1240		1230		1		P
Sodium	ug/L	20	166000		166000		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **Level:** LOW **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Matrix: Water **Sample ID:** N1497-10 **Client ID:** MW-5MSD

Percent Solids for Sample: NA **Duplicate ID** N1497-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1600		1590		1		P
Manganese	ug/L	20	1400		1370		2		P
Sodium	ug/L	20	173000		174000		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB142597BS							
Iron	ug/L	1500	1470		98	80 - 120	P
Manganese	ug/L	100	101		101	80 - 120	P
Sodium	ug/L	1500	1430		95	80 - 120	P

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB142622BS							
Iron	ug/L	1500	1470		98	87 - 115	P
Manganese	ug/L	100	106		106	90 - 114	P
Sodium	ug/L	1500	1520		101	87 - 115	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-5L

Lab Name: Chemtech Consulting Group **Contract:** ENVI27

Lab Code: CHEM **Lb No.:** lb118685 **Lab Sample ID :** N1497-03L **SDG No.:** N1497

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	4660		4660		0		P
Manganese	1220		1260		4		P
Sodium	147000		143000		3		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-5L

Lab Name: Chemtech Consulting Group **Contract:** ENVI27

Lab Code: CHEM **Lb No.:** lb118724 **Lab Sample ID :** N1497-09L **SDG No.:** N1497

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	11.8	J	250	U	100.0		P
Manganese	1240		1250		1		P
Sodium	166000		152000		8		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0021660
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0009350	0.0000000	0.0000000	-0.0037480
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0016160	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Case No.:** N1497 **SAS No.:** N1497

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0016400
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Method:**

Case No.: N1497 **SAS No.:** N1497

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB142597**						
N1497-01	MW-7S	SAM	WATER	02/15/2022	50.0	25.0	
N1497-02	MW-7D	SAM	WATER	02/15/2022	50.0	25.0	
N1497-03	MW-5	SAM	WATER	02/15/2022	50.0	25.0	
N1497-03DUP	MW-5DUP	DUP	WATER	02/15/2022	50.0	25.0	
N1497-04	MW-5MS	MS	WATER	02/15/2022	50.0	25.0	
N1497-05	MW-5MSD	MSD	WATER	02/15/2022	50.0	25.0	
PB142597BL	PB142597BL	MB	WATER	02/15/2022	50.0	25.0	
PB142597BS	PB142597BS	LCS	WATER	02/15/2022	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Envirotrac Environmental Services Ltd. **SDG No.:** N1497

Contract: ENVI27 **Lab Code:** CHEM **Method:**

Case No.: N1497 **SAS No.:** N1497

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB142622**						
N1497-07	MW-7S	SAM	WATER	02/17/2022	50.0	25.0	
N1497-08	MW-7D	SAM	WATER	02/17/2022	50.0	25.0	
N1497-09	MW-5	SAM	WATER	02/17/2022	50.0	25.0	
N1497-09DUP	MW-5DUP	DUP	WATER	02/17/2022	50.0	25.0	
N1497-10	MW-5MS	MS	WATER	02/17/2022	50.0	25.0	
N1497-11	MW-5MSD	MSD	WATER	02/17/2022	50.0	25.0	
PB142622BL	PB142622BL	MB	WATER	02/17/2022	50.0	25.0	
PB142622BS	PB142622BS	LCS	WATER	02/17/2022	50.0	25.0	

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metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1497 **Sas no.:** N1497 **Sdg no.:** N1497

Instrument id number: **Method:** **Run number:** LB118685

Start date: 02/15/2022 **End date:** 02/15/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1533	Fe,Mn,Na
S1	S1	1	1537	Fe,Mn,Na
S2	S2	1	1541	Fe,Mn,Na
S3	S3	1	1545	Fe,Mn,Na
S4	S4	1	1549	Fe,Mn,Na
S5	S5	1	1552	Fe,Mn,Na
ICV01	ICV01	1	1612	Fe,Mn,Na
LLICV01	LLICV01	1	1617	Fe,Mn,Na
ICB01	ICB01	1	1620	Fe,Mn,Na
CRI01	CRI01	1	1641	Fe,Mn,Na
ICSA01	ICSA01	1	1645	Fe,Mn,Na
ICSAB01	ICSAB01	1	1649	Fe,Mn,Na
CCV01	CCV01	1	1653	Fe,Mn,Na
LLCCV01	LLCCV01	1	1657	Fe,Mn,Na
CCB01	CCB01	1	1701	Fe,Mn,Na
CCV02	CCV02	1	1745	Fe,Mn,Na
CCB02	CCB02	1	1748	Fe,Mn,Na
PB142597BL	PB142597BL	1	1752	Fe,Mn,Na
PB142597BS	PB142597BS	1	1756	Fe,Mn,Na
CCV03	CCV03	1	1846	Fe,Mn,Na
CCB03	CCB03	1	1850	Fe,Mn,Na
N1497-01	MW-7S	1	1926	Fe,Mn,Na
N1497-02	MW-7D	1	1930	Fe,Mn,Na
CCV04	CCV04	1	1933	Fe,Mn,Na
CCB04	CCB04	1	1937	Fe,Mn,Na
N1497-03	MW-5	1	1941	Fe,Mn,Na
N1497-03DUP	MW-5DUP	1	1945	Fe,Mn,Na
N1497-03L	MW-5L	5	1950	Fe,Mn,Na
N1497-04	MW-5MS	1	1954	Fe,Mn,Na
N1497-05	MW-5MSD	1	1957	Fe,Mn,Na
CCV05	CCV05	1	2021	Fe,Mn,Na
CCB05	CCB05	1	2025	Fe,Mn,Na
CCV06	CCV06	1	2123	Fe,Mn,Na
CCB06	CCB06	1	2127	Fe,Mn,Na

metals
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ANALYSIS RUN LOG

Client: Envirotrac Environmental Services Ltd. **Contract:** ENVI27

Lab code: CHEM **Case no.:** N1497 **Sas no.:** N1497 **Sdg no.:** N1497

Instrument id number: **Method:** **Run number:** LB118724

Start date: 02/17/2022 **End date:** 02/17/2022

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1314	Fe,Mn,Na
S1	S1	1	1318	Fe,Mn,Na
S2	S2	1	1322	Fe,Mn,Na
S3	S3	1	1326	Fe,Mn,Na
S4	S4	1	1329	Fe,Mn,Na
S5	S5	1	1333	Fe,Mn,Na
ICV01	ICV01	1	1337	Fe,Mn,Na
LLICV01	LLICV01	1	1345	Fe,Mn,Na
ICB01	ICB01	1	1349	Fe,Mn,Na
CRI01	CRI01	1	1353	Fe,Mn,Na
ICSA01	ICSA01	1	1357	Fe,Mn,Na
ICSAB01	ICSAB01	1	1401	Fe,Mn,Na
CCV01	CCV01	1	1405	Fe,Mn,Na
LLCCV01	LLCCV01	1	1409	Fe,Mn,Na
CCB01	CCB01	1	1413	Fe,Mn,Na
CCV02	CCV02	1	1522	Fe,Mn,Na
CCB02	CCB02	1	1526	Fe,Mn,Na
N1497-07	MW-7S	1	1549	Fe,Mn
N1497-08	MW-7D	1	1553	Fe,Mn
N1497-09	MW-5	1	1557	Fe,Mn
N1497-09DUP	MW-5DUP	1	1601	Fe,Mn,Na
N1497-09L	MW-5L	5	1606	Fe,Mn,Na
N1497-10	MW-5MS	1	1610	Fe,Mn,Na
N1497-11	MW-5MSD	1	1613	Fe,Mn,Na
CCV03	CCV03	1	1629	Fe,Mn,Na
CCB03	CCB03	1	1633	Fe,Mn,Na
CCV04	CCV04	1	1718	Fe,Mn,Na
CCB04	CCB04	1	1722	Fe,Mn,Na
PB142622BL	PB142622BL	1	1809	Fe,Mn,Na
CCV05	CCV05	1	1821	Fe,Mn,Na
CCB05	CCB05	1	1825	Fe,Mn,Na
PB142622BS	PB142622BS	1	1907	Fe,Mn,Na
CCV06	CCV06	1	1919	Fe,Mn,Na
CCB06	CCB06	1	1923	Fe,Mn,Na
CCV07	CCV07	1	2009	Fe,Mn,Na
CCB07	CCB07	1	2013	Fe,Mn,Na

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: N1497-N1498
COC Number: 2025197

CLIENT INFORMATION

Report to be sent to:
COMPANY: ENVIROTRAC LTD.
ADDRESS: 5 Old Dock Rd
CITY: Yaphank STATE: NY ZIP: 11980
ATTENTION: Mike Ruse
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: NYS DEC: Crown Dynamics
PROJECT #: LOCATION: Glen Cove
PROJECT MANAGER: Mike Ruse
E-MAIL: MikeR@Envirotrac.com
PHONE: FAX:

BILLING INFORMATION

BILL TO: ENVIROTRAC LTD. PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT _____
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ US EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other _____

ANALYSIS

1 VOCs 8260
2 Metals
3 TOTAL NA
4 D-Solved
5 EP-MN 6010
6 PFAS 537
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW #7S	G.W		X	2/10/22	9:40	7	2	2				3				
2.	MW #7D	G.W		X	2/10/22	9:42	6	2	2				2				
3.	MW # 5	G.W		X	2/10/22	12:45	10	6	2				2				MS/MSD
4.	MW # Blind Duplicate	G.W		X	2/10/22	-	2	2									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Preservatives: A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1.	DATE/TIME 2/10/22 13:40	RECEIVED BY 1.	2/10/22 1340
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 2-10-22 1610	RECEIVED FOR LAB BY 3. SB	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.8
Comments:

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other: _____
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Monday, March 14, 2022 9:46 AM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat'
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.
Attachments: template01_sm_fb_transparent_de75ee56-3edb-425c-9bf8-c5915b5f3aee1111111.png; template01 _sm_linkedin_transparent_f8a963bb-7390-4940-9516-8d79f706c1f11111111.png; emaillogo_2b71093e-2153-4477-9927-29ea5e0e9a92.png

Understood.

From: Samantha Beazley <Samantha@chemtech.net>
Sent: Thursday, March 10, 2022 1:02 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: RE: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Good afternoon,

Going through this list of requests please confirm the below from our QC department in order for the lab to report the VOC analytes listed.

N1429, N1438 : Blank Spike Recovery 130% for Acetone is outside the QC limit 60-125%. All other associated QCs are within the Limits.

N1541 VOC : Blank Spike Duplicate Recovery 139% for Bromomethane is outside the QC limit 55-134%. Also associated CCV of sample N1541-05DL dilution has Acetone %D (25.7%) is outside the QC limit (20%). All other associated QCs are within the Limits.

Respectfully,

Samantha Beazley
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3148
samantha@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your Feedback

From: Michael Rose, PE <miker@envirotrac.com>
Sent: Wednesday, March 9, 2022 3:53 PM
To: Samantha@chemtech.net
Cc: 'Jordan Hedvat' <jordan@chemtech.net>
Subject: FW: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Sam –

Please review the email below received by the Crown Dykman engineer regarding analytical inconsistences. I'm hoping these can be addressed ASAP.

Michael Rose, PE

Senior Engineer

EnviroTrac Ltd.
phone: 631.924.3001 | mobile: 631.433.8883 | email: miker@envirotrac.com
5 Old Dock Road Yaphank, NY 11980 | https://envirotrac.com

From: Farris, Kathryn <Kathryn.Farris@arcadis.com>
Sent: Wednesday, March 09, 2022 1:58 PM
To: Michael Rose, PE <miker@envirotrac.com>
Cc: Minehardt, Todd A. <Todd.Minehardt@arcadis.com>; Hiss, David <David.Hiss@arcadis.com>
Subject: Crown Dykman - Issues with Analytical Submittals for Groundwater Sampling.

Hi Mike,

As per call – Please see below for the inconsistencies with the lab data:

- MW-10D-20220209 (Lab ID - N1467-13) should be MW-1DD-20220209
  - Double check lab IDs I think MW-04R or MW-05R may not have been appropriately labeled as well.
  - PFAS reports would also need to be reissued with correct names.
- Groundwater VOC analyte list is incomplete – it appears that lab analyzed for the effluent list, and compared values to wastewater limits.
  - I have included what VOCs we have previously reported at the bottom of this email.
- 2 of 4 PFAS reports do not include a full list of PFAS compounds (we had specified they include the 21 PFAS list from DEC Sampling from 2019 document 1*,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs*
  - Data packages that include MW-01, 015, 01DD, 05R, 07S, 07D, 08, 23d, 23s, 30d and 30s are incomplete.
- 6/11 submitted reports do not include NYSDEC EquIS packages – 01 45 29.13-3 specifies the requirements for EDDs.

Order_ID	Status	No. of Samples	Received On	Collected On	NYSDEC EDDs
N1429	Completed	8	2/7/2022	2/7/2022	N
N1430	Completed	4	2/7/2022	2/7/2022	Y
N1438	Completed	4	2/8/2022	2/8/2022	N
N1439	Completed	2	2/8/2022	2/8/2022	Y
N1467	Completed	8	2/8/2022	2/8/2022	N
N1468	Completed	4	2/8/2022	2/8/2022	Y
N1468	Completed	4	2/9/2022	2/9/2022	N
N1497	Completed	11	2/10/2022	2/10/2022	N
N1498	Completed	3	2/10/2022	2/10/2022	N

N1541	Completed	6	2/14/2022	2/14/2022	Y
N1542	Completed	3	2/14/2022	2/14/2022	Y

This is what I found while looking through the Groundwater Sampling results. It is not an exhaustive list of edits.

Thanks,
Kathryn

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-Pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane

Dichlorodifluoromethane
Ethyl Benzene
Isopropylbenzene
Methyl Acetate
Methyl tert-butyl Ether
Methylcyclohexane
Methylene Chloride
Styrene
Tert-Butyl Methyl Ether
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylene (Total)
Total TICs

Kathryn Farris (she/her)
Project Environmental Specialist
Arcadis New York Inc.
855 Route 146 Suite 210 | Clifton Park, NY | 12065 | USA
T +1 518 250 7389
M +1 610 739 7860
www.arcadis.com



Be green, leave it on the screen.

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : N1497 ENVI27
Client Name : Envirotrac Environmental S
Client Contact : Mike Rose
Invoice Name : Envirotrac Environmental S
Invoice Contact : Mike Rose

Order Date : 2/10/2022 4:00:00 PM
Project Name : NYSDEC Crown Dykman -
Receive DateTime : 2/10/2022 4:10:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
N1497-01	MW-7S	Water	02/10/2022	09:40	VOCMS Group1		8260-Low		5 Bus. Days
N1497-02	MW-7D	Water	02/10/2022	09:42	VOCMS Group1		8260-Low		5 Bus. Days
N1497-03	MW-5	Water	02/10/2022	12:45	VOCMS Group1		8260-Low		5 Bus. Days
N1497-04	~~M1497-03MS~~ N1497-03MS	Water	02/10/2022	12:45	VOCMS Group1		8260-Low		5 Bus. Days
N1497-05	~~M1497-03MSD~~ N1497-03MSD	Water	02/10/2022	12:45	VOCMS Group1		8260-Low		5 Bus. Days
N1497-06	MW-BLIND-DUPLICATE	Water	02/10/2022	00:00	VOCMS Group1		8260-Low		5 Bus. Days

* SB 2/16/22

Relinguished By : [signature]
Date / Time : 2-10-22 16:40

Received By : JC
Date / Time : 2/10/22 1640
Storage Area : VOA Refridgerator Room

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-72646-1
Client Project/Site: Non-DOD - NY
Revision: 1

For:
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

Attn: Ms. Samantha Beazley

Elizabeth M. Zanar

Authorized for release by:
3/15/2022 4:49:59 PM

Elizabeth Zanar, Project Manager
(717)556-7290
Elizabeth.Zanar@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

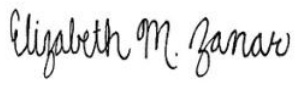
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Elizabeth Zanar
Project Manager
3/15/2022 4:49:59 PM

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Job ID: 410-72646-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-72646-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 2/17/2022. The report (revision 1) is being revised due to: The analyte list was updated to the NY DOH list of 21 compounds per client request.

Receipt
The samples were received on 2/11/2022 11:24 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

LCMS
Method 537 (mod) NJ: A field reagent blank was not submitted for the following samples: MW-7S (410-72646-1), MW-7D (410-72646-2) and MW-5 (410-72646-3).

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

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

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Client Sample ID: MW-7S — Lab Sample ID: 410-72646-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	22		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	21		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	84		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	6.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	4.5		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	21		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	16		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	6.7		2.4	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	5.9		1.6	0.48	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	3.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	2.9		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	34		4.0	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroundecanoic acid	1.7	I	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	28		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid - DL	290		16	4.0	ng/L	10		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-7D — Lab Sample ID: 410-72646-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	5.9		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	5.3		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	26		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	4.5		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorodecanoic acid	3.3		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	2.4		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	4.2		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	60		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
NEtFOSAA	0.54	J I	2.5	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
NMeFOSAA	0.97	J	1.6	0.49	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	0.44	J	1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonamide	1.3	J	1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	6.9		4.1	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroundecanoic acid	1.2	J	1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	6.8		1.6	0.41	ng/L	1		EPA 537 (Mod)	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 410-72646-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	92		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanoic acid	83		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanoic acid	170		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorononanoic acid	6.2		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanesulfonic acid	110		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorohexanesulfonic acid	25		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorooctanesulfonic acid	49	I	1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoroheptanesulfonic acid	3.6		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluorobutanoic acid	76		4.0	1.6	ng/L	1		EPA 537 (Mod)	Total/NA
Perfluoropentanoic acid	100		1.6	0.40	ng/L	1		EPA 537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Client Sample ID: MW-7S

Date Collected: 02/10/22 09:40
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-1

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**22**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluoroheptanoic acid	**21**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorooctanoic acid	**84**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorononanoic acid	**6.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorodecanoic acid	**4.5**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorotridecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorotetradecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorobutanesulfonic acid	**21**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorohexanesulfonic acid	**16**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
NEtFOSAA	**6.7**		2.4	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
NMeFOSAA	**5.9**		1.6	0.48	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluoroheptanesulfonic acid	**3.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorodecanesulfonic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorooctanesulfonamide	**2.9**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorobutanoic acid	**34**		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluoroundecanoic acid	**1.7**	I	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluorododecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:25	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.79	ng/L		02/14/22 16:55	02/17/22 12:25	1
Perfluoropentanoic acid	**28**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*134*		*33 - 200*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
M2-6:2 FTS	*157*		*17 - 200*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C5 PFHxA	*96*		*24 - 179*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C4 PFHpA	*100*		*31 - 182*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C8 PFOA	*94*		*48 - 162*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C9 PFNA	*96*		*51 - 167*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C6 PFDA	*90*		*49 - 163*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C7 PFUnA	*94*		*34 - 174*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C2-PFDoDA	*90*		*17 - 176*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C2 PFTeDA	*93*		*10 - 179*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C3 PFBS	*132*		*16 - 200*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C3 PFHxS	*105*		*28 - 188*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C8 PFOS	*92*		*51 - 159*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
d3-NMeFOSAA	*83*		*31 - 174*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
d5-NEtFOSAA	*111*		*29 - 195*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C8 FOSA	*71*		*10 - 168*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C4 PFBA	*94*		*42 - 165*	*02/14/22 16:55*	*02/17/22 12:25*	*1*
13C5 PFPeA	*100*		*38 - 187*	*02/14/22 16:55*	*02/17/22 12:25*	*1*

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	**290**		16	4.0	ng/L		02/14/22 16:55	02/17/22 12:58	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 PFOS	*120*		*51 - 159*	*02/14/22 16:55*	*02/17/22 12:58*	*10*

Client Sample ID: MW-7D

Date Collected: 02/10/22 09:42
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-2

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	5.9		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluoroheptanoic acid	5.3		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorooctanoic acid	26		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorononanoic acid	4.5		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorodecanoic acid	3.3		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorotridecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorotetradecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorobutanesulfonic acid	2.4		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorohexanesulfonic acid	4.2		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorooctanesulfonic acid	60		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
NEtFOSAA	0.54	J I	2.5	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
NMeFOSAA	0.97	J	1.6	0.49	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluoroheptanesulfonic acid	0.44	J	1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorodecanesulfonic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorooctanesulfonamide	1.3	J	1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorobutanoic acid	6.9		4.1	1.6	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluoroundecanoic acid	1.2	J	1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluorododecanoic acid	ND		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1
6:2 Fluorotelomer sulfonic acid	ND		4.1	1.6	ng/L		02/14/22 16:55	02/17/22 12:36	1
8:2 Fluorotelomer sulfonic acid	ND		2.5	0.82	ng/L		02/14/22 16:55	02/17/22 12:36	1
Perfluoropentanoic acid	6.8		1.6	0.41	ng/L		02/14/22 16:55	02/17/22 12:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*100*		*33 - 200*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
M2-6:2 FTS	*121*		*17 - 200*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C5 PFHxA	*91*		*24 - 179*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C4 PFHpA	*90*		*31 - 182*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C8 PFOA	*88*		*48 - 162*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C9 PFNA	*86*		*51 - 167*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C6 PFDA	*81*		*49 - 163*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C7 PFUnA	*84*		*34 - 174*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C2-PFDoDA	*74*		*17 - 176*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C2 PFTeDA	*71*		*10 - 179*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C3 PFBS	*108*		*16 - 200*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C3 PFHxS	*86*		*28 - 188*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C8 PFOS	*82*		*51 - 159*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
d3-NMeFOSAA	*79*		*31 - 174*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
d5-NEtFOSAA	*92*		*29 - 195*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C8 FOSA	*69*		*10 - 168*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C4 PFBA	*89*		*42 - 165*	*02/14/22 16:55*	*02/17/22 12:36*	*1*
13C5 PFPeA	*91*		*38 - 187*	*02/14/22 16:55*	*02/17/22 12:36*	*1*

Client Sample ID: MW-5

Date Collected: 02/10/22 12:45
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-3

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	92		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluoroheptanoic acid	83		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorooctanoic acid	170		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1

Client Sample ID: MW-5

Date Collected: 02/10/22 12:45
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-3

Matrix: Water

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	**6.2**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorodecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorotridecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorotetradecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorobutanesulfonic acid	**110**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorohexanesulfonic acid	**25**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorooctanesulfonic acid	**49**	I	1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
NEtFOSAA	ND		2.4	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
NMeFOSAA	ND		1.6	0.48	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluoroheptanesulfonic acid	**3.6**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorodecanesulfonic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorooctanesulfonamide	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorobutanoic acid	**76**		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluoroundecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluorododecanoic acid	ND		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.6	ng/L		02/14/22 16:55	02/17/22 12:47	1
8:2 Fluorotelomer sulfonic acid	ND		2.4	0.81	ng/L		02/14/22 16:55	02/17/22 12:47	1
Perfluoropentanoic acid	**100**		1.6	0.40	ng/L		02/14/22 16:55	02/17/22 12:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*98*		*33 - 200*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
M2-6:2 FTS	*114*		*17 - 200*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C5 PFHxA	*95*		*24 - 179*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C4 PFHpA	*99*		*31 - 182*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C8 PFOA	*93*		*48 - 162*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C9 PFNA	*89*		*51 - 167*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C6 PFDA	*87*		*49 - 163*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C7 PFUnA	*82*		*34 - 174*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C2-PFDoDA	*78*		*17 - 176*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C2 PFTeDA	*56*		*10 - 179*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C3 PFBS	*128*		*16 - 200*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C3 PFHxS	*92*		*28 - 188*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C8 PFOS	*84*		*51 - 159*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
d3-NMeFOSAA	*85*		*31 - 174*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
d5-NEtFOSAA	*91*		*29 - 195*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C8 FOSA	*51*		*10 - 168*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C4 PFBA	*89*		*42 - 165*	*02/14/22 16:55*	*02/17/22 12:47*	*1*
13C5 PFPeA	*103*		*38 - 187*	*02/14/22 16:55*	*02/17/22 12:47*	*1*

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (33-200)	M262FTS (17-200)	13C5PHA (24-179)	C4PFHA (31-182)	C8PFOA (48-162)	C9PFNA (51-167)	C6PFDA (49-163)	13C7PUA (34-174)
410-72646-1	MW-7S	134	157	96	100	94	96	90	94
410-72646-1 - DL	MW-7S								
410-72646-2	MW-7D	100	121	91	90	88	86	81	84
410-72646-3	MW-5	98	114	95	99	93	89	87	82
LCS 410-232682/2-A	Lab Control Sample	90	86	89	93	85	98	95	95
LCSD 410-232682/3-A	Lab Control Sample Dup	92	81	89	93	85	99	93	97
MB 410-232682/1-A	Method Blank	99	88	84	87	84	91	91	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoDA (17-176)	PFTDA (10-179)	C3PFBS (16-200)	C3PFHS (28-188)	C8PFOS (51-159)	d3NMFOS (31-174)	d5NEFOS (29-195)	PFOSA (10-168)
410-72646-1	MW-7S	90	93	132	105	92	83	111	71
410-72646-1 - DL	MW-7S					120			
410-72646-2	MW-7D	74	71	108	86	82	79	92	69
410-72646-3	MW-5	78	56	128	92	84	85	91	51
LCS 410-232682/2-A	Lab Control Sample	92	90	93	86	96	90	97	77
LCSD 410-232682/3-A	Lab Control Sample Dup	83	90	89	88	95	92	105	75
MB 410-232682/1-A	Method Blank	89	91	94	86	93	83	84	77

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PFBA (42-165)	PFPeA (38-187)
410-72646-1	MW-7S	94	100
410-72646-1 - DL	MW-7S		
410-72646-2	MW-7D	89	91
410-72646-3	MW-5	89	103
LCS 410-232682/2-A	Lab Control Sample	92	90
LCSD 410-232682/3-A	Lab Control Sample Dup	92	96
MB 410-232682/1-A	Method Blank	92	91

Surrogate Legend

M282FTS = M2-8:2 FTS
M262FTS = M2-6:2 FTS
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoDA = 13C2-PFDoDA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-232682/1-A
Matrix: Water
Analysis Batch: 224425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 232682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
NEtFOSAA	ND		3.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
NMeFOSAA	ND		2.0	0.60	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		02/14/22 16:55	02/16/22 19:58	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		02/14/22 16:55	02/16/22 19:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-8:2 FTS	*99*		*33 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
M2-6:2 FTS	*88*		*17 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C5 PFHxA	*84*		*24 - 179*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C4 PFHpA	*87*		*31 - 182*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 PFOA	*84*		*48 - 162*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C9 PFNA	*91*		*51 - 167*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C6 PFDA	*91*		*49 - 163*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C7 PFUnA	*89*		*34 - 174*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C2-PFDoDA	*89*		*17 - 176*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C2 PFTeDA	*91*		*10 - 179*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C3 PFBS	*94*		*16 - 200*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C3 PFHxS	*86*		*28 - 188*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 PFOS	*93*		*51 - 159*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
d3-NMeFOSAA	*83*		*31 - 174*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
d5-NEtFOSAA	*84*		*29 - 195*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C8 FOSA	*77*		*10 - 168*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C4 PFBA	*92*		*42 - 165*	*02/14/22 16:55*	*02/16/22 19:58*	*1*
13C5 PFPeA	*91*		*38 - 187*	*02/14/22 16:55*	*02/16/22 19:58*	*1*

Lab Sample ID: LCS 410-232682/2-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 232682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	25.6	19.5		ng/L		76	58 - 139
Perfluoroheptanoic acid	25.6	19.0		ng/L		74	59 - 145

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-232682/2-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 232682

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorooctanoic acid			25.6	21.4		ng/L		84	51 - 145		
Perfluorononanoic acid			25.6	20.5		ng/L		80	61 - 139		
Perfluorodecanoic acid			25.6	18.0		ng/L		70	56 - 138		
Perfluorotridecanoic acid			25.6	20.6		ng/L		81	58 - 146		
Perfluorotetradecanoic acid			25.6	18.7		ng/L		73	62 - 139		
Perfluorobutanesulfonic acid			22.7	17.0		ng/L		75	53 - 138		
Perfluorohexanesulfonic acid			23.3	17.6		ng/L		75	58 - 134		
Perfluorooctanesulfonic acid			23.7	18.3		ng/L		77	45 - 150		
NEtFOSAA			25.6	18.1		ng/L		71	55 - 134		
NMeFOSAA			25.6	19.3		ng/L		75	59 - 140		
Perfluoroheptanesulfonic acid			24.4	18.6		ng/L		76	56 - 140		
Perfluorodecanesulfonic acid			24.7	18.0		ng/L		73	55 - 137		
Perfluorooctanesulfonamide			25.6	21.7		ng/L		85	43 - 167		
Perfluorobutanoic acid			25.6	22.7		ng/L		89	59 - 136		
Perfluoroundecanoic acid			25.6	19.7		ng/L		77	60 - 141		
Perfluorododecanoic acid			25.6	19.8		ng/L		77	59 - 143		
6:2 Fluorotelomer sulfonic acid			24.3	23.2		ng/L		95	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	23.9		ng/L		97	55 - 138		
Perfluoropentanoic acid			25.6	23.2		ng/L		91	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-8:2 FTS	*90*		*33 - 200*
M2-6:2 FTS	*86*		*17 - 200*
13C5 PFHxA	*89*		*24 - 179*
13C4 PFHpA	*93*		*31 - 182*
13C8 PFOA	*85*		*48 - 162*
13C9 PFNA	*98*		*51 - 167*
13C6 PFDA	*95*		*49 - 163*
13C7 PFUnA	*95*		*34 - 174*
13C2-PFDoDA	*92*		*17 - 176*
13C2 PFTeDA	*90*		*10 - 179*
13C3 PFBS	*93*		*16 - 200*
13C3 PFHxS	*86*		*28 - 188*
13C8 PFOS	*96*		*51 - 159*
d3-NMeFOSAA	*90*		*31 - 174*
d5-NEtFOSAA	*97*		*29 - 195*
13C8 FOSA	*77*		*10 - 168*
13C4 PFBA	*92*		*42 - 165*
13C5 PFPeA	*90*		*38 - 187*

Lab Sample ID: LCSD 410-232682/3-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 232682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			25.6	19.5		ng/L		76	58 - 139	0	30
Perfluoroheptanoic acid			25.6	18.6		ng/L		73	59 - 145	2	30
Perfluorooctanoic acid			25.6	19.9		ng/L		78	51 - 145	8	30
Perfluorononanoic acid			25.6	19.1		ng/L		75	61 - 139	7	30

Method: EPA 537 (Mod) - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-232682/3-A
Matrix: Water
Analysis Batch: 224883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 232682

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid			25.6	17.7		ng/L		69	56 - 138	1	30
Perfluorotridecanoic acid			25.6	21.3		ng/L		83	58 - 146	3	30
Perfluorotetradecanoic acid			25.6	19.3		ng/L		76	62 - 139	3	30
Perfluorobutanesulfonic acid			22.7	16.8		ng/L		74	53 - 138	1	30
Perfluorohexanesulfonic acid			23.3	16.9		ng/L		72	58 - 134	4	30
Perfluorooctanesulfonic acid			23.7	17.4		ng/L		74	45 - 150	5	30
NEtFOSAA			25.6	17.9		ng/L		70	55 - 134	1	30
NMeFOSAA			25.6	18.1		ng/L		71	59 - 140	6	30
Perfluoroheptanesulfonic acid			24.4	17.8		ng/L		73	56 - 140	4	30
Perfluorodecanesulfonic acid			24.7	17.5		ng/L		71	55 - 137	3	30
Perfluorooctanesulfonamide			25.6	23.3		ng/L		91	43 - 167	7	30
Perfluorobutanoic acid			25.6	22.9		ng/L		89	59 - 136	1	30
Perfluoroundecanoic acid			25.6	19.4		ng/L		76	60 - 141	1	30
Perfluorododecanoic acid			25.6	20.6		ng/L		80	59 - 143	4	30
6:2 Fluorotelomer sulfonic acid			24.3	23.1		ng/L		95	28 - 173	0	30
8:2 Fluorotelomer sulfonic acid			24.5	24.8		ng/L		101	55 - 138	4	30
Perfluoropentanoic acid			25.6	22.2		ng/L		87	57 - 141	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-8:2 FTS	*92*		*33 - 200*
M2-6:2 FTS	*81*		*17 - 200*
13C5 PFHxA	*89*		*24 - 179*
13C4 PFHpA	*93*		*31 - 182*
13C8 PFOA	*85*		*48 - 162*
13C9 PFNA	*99*		*51 - 167*
13C6 PFDA	*93*		*49 - 163*
13C7 PFUnA	*97*		*34 - 174*
13C2-PFDoDA	*83*		*17 - 176*
13C2 PFTeDA	*90*		*10 - 179*
13C3 PFBS	*89*		*16 - 200*
13C3 PFHxS	*88*		*28 - 188*
13C8 PFOS	*95*		*51 - 159*
d3-NMeFOSAA	*92*		*31 - 174*
d5-NEtFOSAA	*105*		*29 - 195*
13C8 FOSA	*75*		*10 - 168*
13C4 PFBA	*92*		*42 - 165*
13C5 PFPeA	*96*		*38 - 187*

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

LCMS

Analysis Batch: 224425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-232682/1-A	Method Blank	Total/NA	Water	EPA 537 (Mod)	232682

Analysis Batch: 224883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72646-1	MW-7S	Total/NA	Water	EPA 537 (Mod)	232682
410-72646-1 - DL	MW-7S	Total/NA	Water	EPA 537 (Mod)	232682
410-72646-2	MW-7D	Total/NA	Water	EPA 537 (Mod)	232682
410-72646-3	MW-5	Total/NA	Water	EPA 537 (Mod)	232682
LCS 410-232682/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (Mod)	232682
LCSD 410-232682/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (Mod)	232682

Prep Batch: 232682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-72646-1	MW-7S	Total/NA	Water	EPA 537 (mod)	
410-72646-1 - DL	MW-7S	Total/NA	Water	EPA 537 (mod)	
410-72646-2	MW-7D	Total/NA	Water	EPA 537 (mod)	
410-72646-3	MW-5	Total/NA	Water	EPA 537 (mod)	
MB 410-232682/1-A	Method Blank	Total/NA	Water	EPA 537 (mod)	
LCS 410-232682/2-A	Lab Control Sample	Total/NA	Water	EPA 537 (mod)	
LCSD 410-232682/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537 (mod)	

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Client Sample ID: MW-7S
Date Collected: 02/10/22 09:40
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 12:25	PY4D	ELLE
Total/NA	Prep	EPA 537 (mod)	DL		232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)	DL	10	224883	02/17/22 12:58	PY4D	ELLE

Client Sample ID: MW-7D
Date Collected: 02/10/22 09:42
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 12:36	PY4D	ELLE

Client Sample ID: MW-5
Date Collected: 02/10/22 12:45
Date Received: 02/11/22 11:24

Lab Sample ID: 410-72646-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 (mod)			232682	02/14/22 16:55	Q5YX	ELLE
Total/NA	Analysis	EPA 537 (Mod)		1	224883	02/17/22 12:47	PY4D	ELLE

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-72646-1
Project/Site: Non-DOD - NY

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 537 (Mod)	EPA 537 (mod)	Water	6:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	8:2 Fluorotelomer sulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	NEtFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	NMeFOSAA
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorobutanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorodecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorododecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroheptanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorohexanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorononanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonamide
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanesulfonic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorooctanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoropentanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotetradecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluorotridecanoic acid
EPA 537 (Mod)	EPA 537 (mod)	Water	Perfluoroundecanoic acid

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Method	Method Description	Protocol	Laboratory
EPA 537 (Mod)	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537 (mod)	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Non-DOD - NY

Job ID: 410-72646-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-72646-1	MW-7S	Water	02/10/22 09:40	02/11/22 11:24
410-72646-2	MW-7D	Water	02/10/22 09:42	02/11/22 11:24
410-72646-3	MW-5	Water	02/10/22 12:45	02/11/22 11:24

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

410-72646 Chain of Custody

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY EUROFINS Lancaster Laboratories	ORDER ID : N1498		BILL TO: CHEMTECH PO# : N1498
ADDRESS : 2425 New Holland Pike	PROJECT ID:NYSDEC Crown Dykman – Glen Cove		ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER Samantha		CITY: Mountainsld State : NJ ZIP : 07092
E-mail :	E-mail : Samantha@chemtech.net		ATTENTION :Samant
PHONE :717-693-5814	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN **Report :** NYS ASP B **Comment :**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	MW-7S	Water	PFAS	1:1 HNO3 to pH < 2	537	02/10/2022	09:40:00	3	5
02	MW-7D	Water	PFAS	1:1 HNO3 to pH < 2	537	02/10/2022	09:42:00	2	5
03	MW-5	Water	PFAS	1:1 HNO3 to pH < 2	537	02/10/2022	12:45:00	2	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1.	DATETIME: 1640 2-10-22	RECEIVED BY: 1.	Conditions of battles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler ___ Ice or Cooler? ___
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUIESHED BY: 3.	DATETIME: 2/11/22 1124	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-72646-1

Login Number: 72646
List Number: 1
Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Env, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 27, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glencove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22F0695

Enclosed are results of analyses for samples as received by the laboratory on June 10, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 6/27/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F0695

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glencove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-21S06072022	22F0695-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-25RS06072022	22F0695-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-25RD06072022	22F0695-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-30D06072022	22F0695-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-30S06072022	22F0695-05	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SM21-23 4500 CN E

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Cyanide
B310967-BS1, B310967-BSD1

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Lead
B310984-BLK1

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Lead
22F0695-05[MW-30S06072022]

SW-846 8260D

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Chloromethane
B310547-BS1

trans-1,4-Dichloro-2-butene
B310547-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310547-BLK1, B310547-BS1, B310547-BSD1, S072682-CCV1

Chloromethane
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310547-BLK1, B310547-BS1, B310547-BSD1, S072682-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B310547-BS1, B310547-BSD1, S072682-CCV1

trans-1,4-Dichloro-2-butene
B310547-BS1, B310547-BSD1, S072682-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310547-BLK1, B310547-BS1, B310547-BSD1, S072682-CCV1

Chloromethane
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310547-BLK1, B310547-BS1, B310547-BSD1, S072682-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Phenol
22F0695-01[MW-21S06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Phenol
22F0695-02[MW-25RS06072022]

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22F0695-02RE1[MW-25RS06072022]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

1,3-Dichlorobenzene
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

1,4-Dichlorobenzene
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

Hexachlorobutadiene
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

Hexachlorocyclopentadiene
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1

Hexachloroethane
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

N-Nitrosodimethylamine
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Hexachloroethane
B310626-BSD1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Benzidine
B311314-BSD1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Benzidine
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-02RE1[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1, B 311314-BLK1, B311314-BS1

S-03

Surrogate recovery outside of control limits due to suspected sample matrix interference.

Analyte & Samples(s) Qualified:

2-Fluorophenol
22F0695-02RE1[MW-25RS06072022]

Phenol-d6
22F0695-02RE1[MW-25RS06072022]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

2-Fluorophenol
22F0695-02[MW-25RS06072022]

Phenol-d6
22F0695-02[MW-25RS06072022]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

4,6-Dinitro-2-methylphenol
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Benzidine
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

Bis(2-chloroethyl)ether
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

Bis(2-chloroisopropyl)ether
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

Di-n-octylphthalate
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

Hexachlorocyclopentadiene
22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1, S072985-CCV1

N-Nitrosodimethylamine
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

N-Nitrosodi-n-propylamine
22F0695-02RE1[MW-25RS06072022], B311314-BLK1, B311314-BS1, B311314-BSD1, S073177-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B311314-BS1, B311314-BSD1, S073177-CCV1

4,6-Dinitro-2-methylphenol
B311314-BS1, B311314-BSD1, S073177-CCV1

Indeno(1,2,3-cd)pyrene
B310626-BS1, B310626-BSD1, S072985-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

22F0695-02RE1[MW-25RS06072022], B311314-BLK1

4,6-Dinitro-2-methylphenol

22F0695-02RE1[MW-25RS06072022], B311314-BLK1

Indeno(1,2,3-cd)pyrene

22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-02RE1[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1, B 311314-BLK1, B311314-BS1, B311314-BSD1, S072985-CCV1, S073177-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1, S072985-CCV1

Benzidine

22F0695-01[MW-21S06072022], 22F0695-02[MW-25RS06072022], 22F0695-02RE1[MW-25RS06072022], 22F0695-03[MW-25RD06072022], 22F0695-04[MW-30D06072022], 22F0695-05[MW-30S06072022], B310626-BLK1, B310626-BS1, B310626-BSD1, B 311314-BLK1, B311314-BS1, B311314-BSD1, S072985-CCV1, S073177-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/13/22	6/13/22 17:43	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/13/22	6/13/22 17:43	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
cis-1,2-Dichloroethylene	5.2	1.0	0.15	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Tetrachloroethylene	4.9	1.0	0.19	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	V-05	SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Trichloroethylene	1.6	1.0	0.19	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/13/22	6/13/22 17:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		6/13/22 17:43
Toluene-d8	100	70-130		6/13/22 17:43
4-Bromofluorobenzene	98.2	70-130		6/13/22 17:43

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Acenaphthylene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Acetophenone	ND	9.5	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Aniline	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzidine	ND	19	9.9	µg/L	1	R-05, V-35	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzo(a)pyrene	ND	4.8	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzo(g,h,i)perylene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Benzoic Acid	ND	9.5	8.0	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Bis(2-chloroethoxy)methane	ND	9.5	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Bis(2-chloroethyl)ether	ND	9.5	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Bis(2-chloroisopropyl)ether	ND	9.5	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.80	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Bromophenylphenylether	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Butylbenzylphthalate	ND	9.5	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Carbazole	ND	9.5	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Chloroaniline	ND	9.5	0.55	µg/L	1	V-34	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Chloro-3-methylphenol	ND	9.5	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Chloronaphthalene	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Chlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Chlorophenylphenylether	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Dibenzofuran	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Di-n-butylphthalate	ND	9.5	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,2-Dichlorobenzene	ND	4.8	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,3-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
3,3-Dichlorobenzidine	ND	9.5	0.68	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4-Dichlorophenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Diethylphthalate	ND	9.5	0.40	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4-Dimethylphenol	ND	9.5	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Dimethylphthalate	ND	9.5	0.36	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4,6-Dinitro-2-methylphenol	ND	9.5	6.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4-Dinitrophenol	ND	9.5	7.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4-Dinitrotoluene	ND	9.5	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,6-Dinitrotoluene	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Di-n-octylphthalate	ND	9.5	3.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.5	0.55	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.5	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Hexachlorobutadiene	ND	9.5	0.74	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Hexachlorocyclopentadiene	ND	9.5	3.5	µg/L	1	L-04, V-05	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Hexachloroethane	ND	9.5	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1	V-20	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Isophorone	ND	9.5	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1-Methylnaphthalene	ND	4.8	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Methylphenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
3/4-Methylphenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Nitroaniline	ND	9.5	0.66	µg/L	1	V-35	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
3-Nitroaniline	ND	9.5	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Nitroaniline	ND	9.5	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Nitrobenzene	ND	9.5	0.60	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2-Nitrophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
4-Nitrophenol	ND	9.5	2.0	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
N-Nitrosodimethylamine	ND	9.5	0.75	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.36	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
N-Nitrosodi-n-propylamine	ND	9.5	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Pentachloronitrobenzene	ND	9.5	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Pentachlorophenol	ND	9.5	3.3	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Phenol	1.8	9.5	0.22	µg/L	1	B, J	SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Pyrene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.5	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4,5-Trichlorophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR
2,4,6-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:06	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.3	15-110		6/20/22 18:06
Phenol-d6	24.5	15-110		6/20/22 18:06
Nitrobenzene-d5	73.7	30-130		6/20/22 18:06
2-Fluorobiphenyl	69.1	30-130		6/20/22 18:06
2,4,6-Tribromophenol	77.8	15-110		6/20/22 18:06
p-Terphenyl-d14	98.4	30-130		6/20/22 18:06

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.63	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:23	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Barium	0.055	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Calcium	56	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Copper	ND	0.010		mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Iron	2.5	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Magnesium	11	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Manganese	2.5	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/23/22	6/24/22 11:37	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Potassium	4.0	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Selenium	0.032	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:23	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:23	MJH
Sodium	26	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:43	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:23	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:23	MJH
Zinc	0.0067	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:43	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-21S06072022 | Sampled: 6/7/2022 09:30

Sample ID: 22F0695-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	6/14/22	6/15/22 12:37	MMH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.6	100	4.1	µg/L	2	J	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
cis-1,2-Dichloroethylene	88	2.0	0.29	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
trans-1,2-Dichloroethylene	1.2	2.0	0.34	µg/L	2	J	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Naphthalene	ND	4.0	0.49	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Tetrachloroethylene	230	2.0	0.37	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	V-05	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Trichloroethylene	21	2.0	0.38	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
Vinyl Chloride	1.9	4.0	0.42	µg/L	2	J	SW-846 8260D	6/13/22	6/13/22 19:02	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/13/22	6/13/22 19:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		6/13/22 19:02
Toluene-d8	98.8	70-130		6/13/22 19:02
4-Bromofluorobenzene	99.7	70-130		6/13/22 19:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Acenaphthylene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Acetophenone	ND	9.5	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Aniline	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzidine	ND	19	9.9	µg/L	1	R-05, V-35	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzo(a)pyrene	ND	4.8	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzo(g,h,i)perylene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Benzoic Acid	ND	9.5	8.0	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Bis(2-chloroethoxy)methane	ND	9.5	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Bis(2-chloroethyl)ether	ND	9.5	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1	V-05	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Bis(2-chloroisopropyl)ether	ND	9.5	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1	V-05	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.80	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Bromophenylphenylether	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Butylbenzylphthalate	ND	9.5	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Carbazole	ND	9.5	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Chloroaniline	ND	9.5	0.55	µg/L	1	V-34	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Chloro-3-methylphenol	ND	9.5	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2-Chloronaphthalene	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Chlorophenylphenylether	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Dibenzofuran	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Di-n-butylphthalate	ND	9.5	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,2-Dichlorobenzene	ND	4.8	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1	L-04	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,3-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1	L-04	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1	L-04	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
3,3-Dichlorobenzidine	ND	9.5	0.68	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4-Dichlorophenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Diethylphthalate	ND	9.5	0.40	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,4-Dimethylphenol	ND	9.5	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Dimethylphthalate	ND	9.5	0.36	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4,6-Dinitro-2-methylphenol	ND	9.5	6.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-04, V-20	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,4-Dinitrophenol	ND	9.5	7.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1	V-04, V-20	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,4-Dinitrotoluene	ND	9.5	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,6-Dinitrotoluene	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Di-n-octylphthalate	ND	9.5	3.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1	V-05	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.5	0.55	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Hexachlorobenzene	ND	9.5	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1	L-04	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Hexachlorobutadiene	ND	9.5	0.74	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Hexachlorocyclopentadiene	ND	9.5	3.5	µg/L	1	L-04, V-05	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Hexachloroethane	ND	9.9	0.73	µg/L	1	L-04	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Hexachloroethane	ND	9.5	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1	V-20	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Isophorone	ND	9.5	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1-Methylnaphthalene	ND	4.8	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2-Methylphenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
3/4-Methylphenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2-Nitroaniline	ND	9.5	0.66	µg/L	1	V-35	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
3-Nitroaniline	ND	9.5	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Nitroaniline	ND	9.5	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Nitrobenzene	ND	9.5	0.60	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Nitrophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
4-Nitrophenol	ND	9.5	2.0	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
N-Nitrosodimethylamine	ND	9.5	0.75	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1	L-04, V-05	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.36	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
N-Nitrosodi-n-propylamine	ND	9.5	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1	V-05	SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Pentachloronitrobenzene	ND	9.5	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Pentachlorophenol	ND	9.5	3.3	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Phenol	6.2	9.5	0.22	µg/L	1	B-07, J	SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Pyrene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.5	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,4,5-Trichlorophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR
2,4,6-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:31	IMR
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/22/22	6/24/22 13:20	IMR

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**0.550**	*	15-110	S-19	6/20/22 18:31
2-Fluorophenol	**1.39**	*	15-110	S-03	6/24/22 13:20
Phenol-d6	**0.105**	*	15-110	S-19	6/20/22 18:31
Phenol-d6	**0.340**	*	15-110	S-03	6/24/22 13:20
Nitrobenzene-d5	79.0		30-130		6/24/22 13:20
Nitrobenzene-d5	61.8		30-130		6/20/22 18:31
2-Fluorobiphenyl	60.7		30-130		6/20/22 18:31
2-Fluorobiphenyl	63.5		30-130		6/24/22 13:20
2,4,6-Tribromophenol	27.4		15-110		6/20/22 18:31
2,4,6-Tribromophenol	41.6		15-110		6/24/22 13:20
p-Terphenyl-d14	90.8		30-130		6/20/22 18:31
p-Terphenyl-d14	77.8		30-130		6/24/22 13:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.19	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:29	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Barium	0.042	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Calcium	43	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Chromium	0.022	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Copper	ND	0.010		mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Iron	0.30	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Magnesium	8.3	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Manganese	4.8	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/23/22	6/24/22 11:38	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Potassium	3.5	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Selenium	0.032	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:29	MJH
Silver	0.0047	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:29	MJH
Sodium	41	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:48	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:29	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:29	MJH
Zinc	0.0068	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:48	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RS06072022 | Sampled: 6/7/2022 10:30

Sample ID: 22F0695-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0053	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/14/22	6/15/22 12:37	MMH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022 | Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.1	200	8.1	µg/L	4	J	SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Bromomethane	ND	20	6.2	µg/L	4	V-34	SW-846 8260D	6/13/22	6/13/22 19:28	MFF
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Chloromethane	ND	8.0	2.1	µg/L	4	V-05, V-34	SW-846 8260D	6/13/22	6/13/22 19:28	MFF
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
cis-1,2-Dichloroethylene	490	4.0	0.59	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
trans-1,2-Dichloroethylene	3.1	4.0	0.67	µg/L	4	J	SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022 | Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Tetrachloroethylene	11	4.0	0.75	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Tetrahydrofuran	ND	40	2.0	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4	V-05	SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Trichloroethylene	17	4.0	0.76	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
Vinyl Chloride	16	8.0	0.83	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	6/13/22	6/13/22 19:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		6/13/22 19:28
Toluene-d8	98.4	70-130		6/13/22 19:28
4-Bromofluorobenzene	100	70-130		6/13/22 19:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022 | Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.1	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Acenaphthylene	ND	5.1	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Acetophenone	ND	10	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Aniline	ND	5.1	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Anthracene	ND	5.1	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzidine	ND	20	10	µg/L	1	R-05, V-35	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzo(a)anthracene	ND	5.1	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzo(a)pyrene	ND	5.1	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzo(b)fluoranthene	ND	5.1	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzo(g,h,i)perylene	ND	5.1	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzo(k)fluoranthene	ND	5.1	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Benzoic Acid	ND	10	8.5	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Bis(2-chloroethoxy)methane	ND	10	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Bis(2-chloroethyl)ether	ND	10	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Bis(2-chloroisopropyl)ether	ND	10	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	0.85	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Butylbenzylphthalate	ND	10	0.68	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Chloroaniline	ND	10	0.58	µg/L	1	V-34	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Chloro-3-methylphenol	ND	10	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Chlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Chrysene	ND	5.1	0.40	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Dibenz(a,h)anthracene	ND	5.1	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Dibenzofuran	ND	5.1	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,2-Dichlorobenzene	ND	5.1	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,3-Dichlorobenzene	ND	5.1	0.68	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,4-Dichlorobenzene	ND	5.1	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
3,3-Dichlorobenzidine	ND	10	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4-Dimethylphenol	ND	10	0.71	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4,6-Dinitro-2-methylphenol	ND	10	7.1	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4-Dinitrophenol	ND	10	8.1	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4-Dinitrotoluene	ND	10	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Di-n-octylphthalate	ND	10	4.0	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Fluoranthene	ND	5.1	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Fluorene	ND	5.1	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022 | Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	10	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Hexachlorobutadiene	ND	10	0.78	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1	L-04, V-05	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Hexachloroethane	ND	10	0.75	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Indeno(1,2,3-cd)pyrene	ND	5.1	0.75	µg/L	1	V-20	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Isophorone	ND	10	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1-Methylnaphthalene	ND	5.1	0.61	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Methylnaphthalene	ND	5.1	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Naphthalene	ND	5.1	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Nitroaniline	ND	10	0.70	µg/L	1	V-35	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Nitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
N-Nitrosodimethylamine	ND	10	0.79	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.39	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
N-Nitrosodi-n-propylamine	ND	10	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Pentachloronitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Phenanthrene	ND	5.1	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Phenol	1.5	10	0.23	µg/L	1	B, J	SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Pyrene	ND	5.1	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
Pyridine	ND	5.1	2.5	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
1,2,4-Trichlorobenzene	ND	5.1	0.68	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4,5-Trichlorophenol	ND	10	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 18:56	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.4	15-110		6/20/22 18:56
Phenol-d6	22.6	15-110		6/20/22 18:56
Nitrobenzene-d5	60.3	30-130		6/20/22 18:56
2-Fluorobiphenyl	57.3	30-130		6/20/22 18:56
2,4,6-Tribromophenol	67.5	15-110		6/20/22 18:56
p-Terphenyl-d14	85.6	30-130		6/20/22 18:56

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022 | Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.054	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:49	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Barium	0.086	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Calcium	30	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Cobalt	0.0023	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Copper	ND	0.010		mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Iron	5.8	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Manganese	5.6	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/23/22	6/24/22 11:40	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Potassium	6.6	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Selenium	0.023	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:49	MJH
Silver	0.0092	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:49	MJH
Sodium	110	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:49	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:49	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:54	MJH

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Project Location: Glencove, NY
Sample Description:
Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-25RD06072022
Sampled: 6/7/2022 11:00

Sample ID: 22F0695-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0080	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/14/22	6/15/22 12:37	MMH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Bromomethane	ND	50	15	µg/L	10	V-34	SW-846 8260D	6/13/22	6/13/22 19:54	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Chloromethane	ND	20	5.2	µg/L	10	V-05, V-34	SW-846 8260D	6/13/22	6/13/22 19:54	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
cis-1,2-Dichloroethylene	800	10	1.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
trans-1,2-Dichloroethylene	5.8	10	1.7	µg/L	10	J	SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Naphthalene	ND	20	2.4	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Tetrachloroethylene	30	10	1.9	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10	V-05	SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Trichloroethylene	68	10	1.9	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
Vinyl Chloride	9.0	20	2.1	µg/L	10	J	SW-846 8260D	6/13/22	6/13/22 19:54	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	6/13/22	6/13/22 19:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		6/13/22 19:54
Toluene-d8	99.8	70-130		6/13/22 19:54
4-Bromofluorobenzene	99.7	70-130		6/13/22 19:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.4	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Acenaphthylene	ND	5.4	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Acetophenone	ND	11	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Aniline	ND	5.4	0.75	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Anthracene	ND	5.4	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzidine	ND	22	11	µg/L	1	R-05, V-35	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzo(a)anthracene	ND	5.4	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzo(a)pyrene	ND	5.4	0.61	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzo(b)fluoranthene	ND	5.4	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzo(g,h,i)perylene	ND	5.4	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzo(k)fluoranthene	ND	5.4	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Benzoic Acid	ND	11	9.1	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Bis(2-chloroethoxy)methane	ND	11	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Bis(2-chloroethyl)ether	ND	11	0.61	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Bis(2-chloroisopropyl)ether	ND	11	0.74	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Bis(2-Ethylhexyl)phthalate	ND	11	0.90	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Bromophenylphenylether	ND	11	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Butylbenzylphthalate	ND	11	0.73	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Carbazole	ND	11	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Chloroaniline	ND	11	0.62	µg/L	1	V-34	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Chloro-3-methylphenol	ND	11	0.60	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Chloronaphthalene	ND	11	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Chlorophenol	ND	11	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Chlorophenylphenylether	ND	11	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Chrysene	ND	5.4	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Dibenz(a,h)anthracene	ND	5.4	0.74	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Dibenzofuran	ND	5.4	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Di-n-butylphthalate	ND	11	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,2-Dichlorobenzene	ND	5.4	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,3-Dichlorobenzene	ND	5.4	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,4-Dichlorobenzene	ND	5.4	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
3,3-Dichlorobenzidine	ND	11	0.76	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4-Dichlorophenol	ND	11	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Diethylphthalate	ND	11	0.45	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4-Dimethylphenol	ND	11	0.75	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Dimethylphthalate	ND	11	0.40	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4,6-Dinitro-2-methylphenol	ND	11	7.6	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4-Dinitrophenol	ND	11	8.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4-Dinitrotoluene	ND	11	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,6-Dinitrotoluene	ND	11	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Di-n-octylphthalate	ND	11	4.2	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	11	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Fluoranthene	ND	5.4	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Fluorene	ND	5.4	0.56	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	11	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Hexachlorobutadiene	ND	11	0.83	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Hexachlorocyclopentadiene	ND	11	4.0	µg/L	1	L-04, V-05	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Hexachloroethane	ND	11	0.80	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Indeno(1,2,3-cd)pyrene	ND	5.4	0.80	µg/L	1	V-20	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Isophorone	ND	11	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1-Methylnaphthalene	ND	5.4	0.65	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Methylnaphthalene	ND	5.4	0.74	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Methylphenol	ND	11	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
3/4-Methylphenol	ND	11	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Naphthalene	ND	5.4	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Nitroaniline	ND	11	0.75	µg/L	1	V-35	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
3-Nitroaniline	ND	11	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Nitroaniline	ND	11	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Nitrobenzene	ND	11	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2-Nitrophenol	ND	11	0.55	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
4-Nitrophenol	ND	11	2.3	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
N-Nitrosodimethylamine	ND	11	0.84	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
N-Nitrosodi-n-propylamine	ND	11	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Pentachloronitrobenzene	ND	11	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Pentachlorophenol	ND	11	3.8	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Phenanthrene	ND	5.4	0.51	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Phenol	3.5	11	0.24	µg/L	1	B, J	SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Pyrene	ND	5.4	0.66	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
Pyridine	ND	5.4	2.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,2,4,5-Tetrachlorobenzene	ND	11	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
1,2,4-Trichlorobenzene	ND	5.4	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4,5-Trichlorophenol	ND	11	0.55	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR
2,4,6-Trichlorophenol	ND	11	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:21	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.2	15-110		6/20/22 19:21
Phenol-d6	22.5	15-110		6/20/22 19:21
Nitrobenzene-d5	62.0	30-130		6/20/22 19:21
2-Fluorobiphenyl	61.6	30-130		6/20/22 19:21
2,4,6-Tribromophenol	68.7	15-110		6/20/22 19:21
p-Terphenyl-d14	91.3	30-130		6/20/22 19:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.032	0.050	0.015	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:55	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Barium	0.11	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Calcium	64	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Chromium	0.0032	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Copper	0.012	0.010		mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Iron	0.74	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Magnesium	14	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Manganese	10	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/23/22	6/24/22 11:51	TDK
Nickel	0.012	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Potassium	6.3	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Selenium	0.037	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 19:55	MJH
Silver	0.013	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:55	MJH
Sodium	150	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 3:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:55	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 19:55	MJH
Zinc	0.0053	0.010	0.0042	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 3:59	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30D06072022 | Sampled: 6/7/2022 11:40

Sample ID: 22F0695-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0080	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/14/22	6/15/22 12:37	MMH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Bromomethane	ND	20	6.2	µg/L	4	V-34	SW-846 8260D	6/13/22	6/13/22 20:20	MFF
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Chloromethane	ND	8.0	2.1	µg/L	4	V-05, V-34	SW-846 8260D	6/13/22	6/13/22 20:20	MFF
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
cis-1,2-Dichloroethylene	400	4.0	0.59	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
trans-1,2-Dichloroethylene	2.2	4.0	0.67	µg/L	4	J	SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Tetrachloroethylene	ND	4.0	0.75	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Tetrahydrofuran	6.9	40	2.0	µg/L	4	J	SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4	V-05	SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Trichloroethylene	ND	4.0	0.76	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
Vinyl Chloride	ND	8.0	0.83	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	6/13/22	6/13/22 20:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		6/13/22 20:20
Toluene-d8	99.2	70-130		6/13/22 20:20
4-Bromofluorobenzene	100	70-130		6/13/22 20:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.2	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Acenaphthylene	ND	5.2	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Acetophenone	ND	10	0.55	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Aniline	ND	5.2	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Anthracene	ND	5.2	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzidine	ND	21	11	µg/L	1	R-05, V-35	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzo(a)anthracene	ND	5.2	0.42	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzo(a)pyrene	ND	5.2	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzo(b)fluoranthene	ND	5.2	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzo(g,h,i)perylene	ND	5.2	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzo(k)fluoranthene	ND	5.2	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Benzoic Acid	ND	10	8.7	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Bis(2-chloroethoxy)methane	ND	10	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Bis(2-chloroethyl)ether	ND	10	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Bis(2-chloroisopropyl)ether	ND	10	0.71	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	0.87	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Bromophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Butylbenzylphthalate	ND	10	0.70	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Carbazole	ND	10	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Chloroaniline	ND	10	0.59	µg/L	1	V-34	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Chloro-3-methylphenol	ND	10	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Chloronaphthalene	ND	10	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Chlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Chlorophenylphenylether	ND	10	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Chrysene	ND	5.2	0.41	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Dibenz(a,h)anthracene	ND	5.2	0.71	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Dibenzofuran	ND	5.2	0.50	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Di-n-butylphthalate	ND	10	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,2-Dichlorobenzene	ND	5.2	0.69	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,3-Dichlorobenzene	ND	5.2	0.69	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,4-Dichlorobenzene	ND	5.2	0.69	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
3,3-Dichlorobenzidine	ND	10	0.73	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4-Dichlorophenol	ND	10	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Diethylphthalate	ND	10	0.43	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4-Dimethylphenol	ND	10	0.72	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Dimethylphthalate	ND	10	0.39	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4,6-Dinitro-2-methylphenol	ND	10	7.3	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4-Dinitrophenol	ND	10	8.3	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4-Dinitrotoluene	ND	10	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,6-Dinitrotoluene	ND	10	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Di-n-octylphthalate	ND	10	4.1	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.59	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Fluoranthene	ND	5.2	0.44	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Fluorene	ND	5.2	0.54	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	10	0.52	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Hexachlorobutadiene	ND	10	0.80	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Hexachlorocyclopentadiene	ND	10	3.8	µg/L	1	L-04, V-05	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Hexachloroethane	ND	10	0.76	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Indeno(1,2,3-cd)pyrene	ND	5.2	0.77	µg/L	1	V-20	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Isophorone	ND	10	0.57	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1-Methylnaphthalene	ND	5.2	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Methylnaphthalene	ND	5.2	0.71	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Methylphenol	ND	10	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
3/4-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Naphthalene	ND	5.2	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Nitroaniline	ND	10	0.71	µg/L	1	V-35	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
3-Nitroaniline	ND	10	0.61	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Nitroaniline	ND	10	0.62	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Nitrobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2-Nitrophenol	ND	10	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
4-Nitrophenol	ND	10	2.2	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
N-Nitrosodimethylamine	ND	10	0.81	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.39	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
N-Nitrosodi-n-propylamine	ND	10	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Pentachloronitrobenzene	ND	10	0.64	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Pentachlorophenol	ND	10	3.6	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Phenanthrene	ND	5.2	0.49	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Phenol	3.1	10	0.23	µg/L	1	B, J	SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Pyrene	ND	5.2	0.63	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
Pyridine	ND	5.2	2.5	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	0.67	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
1,2,4-Trichlorobenzene	ND	5.2	0.69	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4,5-Trichlorophenol	ND	10	0.53	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR
2,4,6-Trichlorophenol	ND	10	0.46	µg/L	1		SW-846 8270E	6/14/22	6/20/22 19:46	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	33.4	15-110		6/20/22 19:46
Phenol-d6	23.0	15-110		6/20/22 19:46
Nitrobenzene-d5	63.3	30-130		6/20/22 19:46
2-Fluorobiphenyl	57.4	30-130		6/20/22 19:46
2,4,6-Tribromophenol	64.6	15-110		6/20/22 19:46
p-Terphenyl-d14	83.1	30-130		6/20/22 19:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.64	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 23:14	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Barium	0.13	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Calcium	75	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Cobalt	0.0026	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Copper	ND	0.010		mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Iron	1.6	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Lead	ND	0.010	0.0030	mg/L	1	B-05	SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Magnesium	18	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Manganese	7.2	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/23/22	6/24/22 11:53	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Potassium	7.4	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Selenium	0.039	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 23:14	MJH
Silver	0.011	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/23/22 12:23	ATP
Sodium	130	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 23:14	MJH
Vanadium	0.0037	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 23:14	MJH
Zinc	0.012	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 2:05	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0695

Date Received: 6/10/2022

Field Sample #: MW-30S06072022 | Sampled: 6/7/2022 12:30

Sample ID: 22F0695-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0060	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Sample Extraction Data

Prep Method: SM4500 CN C **Analytical Method: SM21-23 4500 CN E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-01 [MW-21S06072022]	B310632	50.0	50.0	06/14/22
22F0695-02 [MW-25RS06072022]	B310632	50.0	50.0	06/14/22
22F0695-03 [MW-25RD06072022]	B310632	50.0	50.0	06/14/22
22F0695-04 [MW-30D06072022]	B310632	50.0	50.0	06/14/22

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-05 [MW-30S06072022]	B310967	50.0	50.0	06/17/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-05 [MW-30S06072022]	B310984	50.0	50.0	06/17/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-01 [MW-21S06072022]	B311019	50.0	50.0	06/17/22
22F0695-02 [MW-25RS06072022]	B311019	50.0	50.0	06/17/22
22F0695-03 [MW-25RD06072022]	B311019	50.0	50.0	06/17/22
22F0695-04 [MW-30D06072022]	B311019	50.0	50.0	06/17/22

Prep Method: SW-846 7470A/7471A **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22F0695-01 [MW-21S06072022]	B311472	10.0	10.0	06/23/22
22F0695-02 [MW-25RS06072022]	B311472	10.0	10.0	06/23/22
22F0695-03 [MW-25RD06072022]	B311472	10.0	10.0	06/23/22
22F0695-04 [MW-30D06072022]	B311472	10.0	10.0	06/23/22
22F0695-05 [MW-30S06072022]	B311472	10.0	10.0	06/23/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-01 [MW-21S06072022]	B310547	5	5.00	06/13/22
22F0695-02 [MW-25RS06072022]	B310547	2.5	5.00	06/13/22
22F0695-03 [MW-25RD06072022]	B310547	1.25	5.00	06/13/22
22F0695-04 [MW-30D06072022]	B310547	0.5	5.00	06/13/22
22F0695-05 [MW-30S06072022]	B310547	1.25	5.00	06/13/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-01 [MW-21S06072022]	B310626	1050	1.00	06/14/22
22F0695-02 [MW-25RS06072022]	B310626	1050	1.00	06/14/22
22F0695-03 [MW-25RD06072022]	B310626	990	1.00	06/14/22

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-04 [MW-30D06072022]	B310626	930	1.00	06/14/22
22F0695-05 [MW-30S06072022]	B310626	970	1.00	06/14/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0695-02RE1 [MW-25RS06072022]	B311314	1010	1.00	06/22/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310547 - SW-846 5030B										
Blank (B310547-BLK1)				Prepared & Analyzed: 06/13/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310547 - SW-846 5030B											
Blank (B310547-BLK1)				Prepared & Analyzed: 06/13/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L								
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.4	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				
LCS (B310547-BS1)				Prepared & Analyzed: 06/13/22							
Acetone	86.0	50	µg/L	100		86.0	70-160				†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130				
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130				
Benzene	9.19	1.0	µg/L	10.0		91.9	70-130				
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130				
Bromoform	10.9	1.0	µg/L	10.0		109	70-130				
Bromomethane	14.0	2.0	µg/L	10.0		140	40-160			V-20, V-34	†
2-Butanone (MEK)	85.9	20	µg/L	100		85.9	40-160				†
tert-Butyl Alcohol (TBA)	95.8	20	µg/L	100		95.8	40-160				†
n-Butylbenzene	9.27	1.0	µg/L	10.0		92.7	70-130				
sec-Butylbenzene	9.34	1.0	µg/L	10.0		93.4	70-130				
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130				
Carbon Disulfide	95.7	5.0	µg/L	100		95.7	70-130				
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130				
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130				
Chloroethane	9.64	2.0	µg/L	10.0		96.4	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310547 - SW-846 5030B												
LCS (B310547-BS1)				Prepared & Analyzed: 06/13/22								
Chloroform	10.2	2.0	µg/L	10.0		102		70-130				
Chloromethane	3.75	2.0	µg/L	10.0		**37.5**	*	40-160			L-07, V-05, V-34	†
2-Chlorotoluene	9.99	1.0	µg/L	10.0		99.9		70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.90	5.0	µg/L	10.0		99.0		70-130				
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130				
Dibromomethane	10.9	1.0	µg/L	10.0		109		70-130				
1,2-Dichlorobenzene	9.30	1.0	µg/L	10.0		93.0		70-130				
1,3-Dichlorobenzene	9.51	1.0	µg/L	10.0		95.1		70-130				
1,4-Dichlorobenzene	9.43	1.0	µg/L	10.0		94.3		70-130				
trans-1,4-Dichloro-2-butene	13.4	2.0	µg/L	10.0		**134**	*	70-130			L-07, V-20	
Dichlorodifluoromethane (Freon 12)	9.37	2.0	µg/L	10.0		93.7		40-160				†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110		70-130				
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108		70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130				
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		40-130				†
1,1-Dichloropropene	9.80	2.0	µg/L	10.0		98.0		70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130				
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101		70-130				
Diethyl Ether	9.20	2.0	µg/L	10.0		92.0		70-130				
Diisopropyl Ether (DIPE)	9.72	0.50	µg/L	10.0		97.2		70-130				
1,4-Dioxane	106	50	µg/L	100		106		40-130				†
Ethylbenzene	9.81	1.0	µg/L	10.0		98.1		70-130				
Hexachlorobutadiene	8.19	0.60	µg/L	10.0		81.9		70-130				
2-Hexanone (MBK)	98.2	10	µg/L	100		98.2		70-160				†
Isopropylbenzene (Cumene)	9.86	1.0	µg/L	10.0		98.6		70-130				
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102		70-130				
Methyl Acetate	8.24	1.0	µg/L	10.0		82.4		70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105		70-130				
Methylene Chloride	9.86	5.0	µg/L	10.0		98.6		70-130				
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101		70-160				†
Naphthalene	8.15	2.0	µg/L	10.0		81.5		40-130				†
n-Propylbenzene	9.93	1.0	µg/L	10.0		99.3		70-130				
Styrene	10.2	1.0	µg/L	10.0		102		70-130				
1,1,1,2-Tetrachloroethane	11.4	1.0	µg/L	10.0		114		70-130				
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111		70-130				
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
Tetrahydrofuran	9.63	10	µg/L	10.0		96.3		70-130			J	
Toluene	9.75	1.0	µg/L	10.0		97.5		70-130				
1,2,3-Trichlorobenzene	7.78	5.0	µg/L	10.0		77.8		70-130			V-05	
1,2,4-Trichlorobenzene	8.25	1.0	µg/L	10.0		82.5		70-130				
1,3,5-Trichlorobenzene	8.83	1.0	µg/L	10.0		88.3		70-130				
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109		70-130				
Trichloroethylene	10.9	1.0	µg/L	10.0		109		70-130				
Trichlorofluoromethane (Freon 11)	9.16	2.0	µg/L	10.0		91.6		70-130				
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310547 - SW-846 5030B											
LCS (B310547-BS1)				Prepared & Analyzed: 06/13/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.56	1.0	µg/L	10.0		95.6	70-130				
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Vinyl Chloride	8.93	2.0	µg/L	10.0		89.3	40-160				†
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130				
o-Xylene	9.92	1.0	µg/L	10.0		99.2	70-130				
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200				
Surrogate: 1,2-Dichloroethane-d4	*23.5*		µg/L	25.0		93.9	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	70-130				
LCS Dup (B310547-BSD1)				Prepared & Analyzed: 06/13/22							
Acetone	85.6	50	µg/L	100		85.6	70-160	0.466	25		†
Acrylonitrile	10.6	5.0	µg/L	10.0		106	70-130	3.65	25		
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130	0.0944	25		
Benzene	9.55	1.0	µg/L	10.0		95.5	70-130	3.84	25		
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.57	25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	3.25	25		
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	5.88	25		
Bromoform	10.7	1.0	µg/L	10.0		107	70-130	1.95	25		
Bromomethane	14.3	2.0	µg/L	10.0		143	40-160	2.05	25	V-20, V-34	†
2-Butanone (MEK)	88.2	20	µg/L	100		88.2	40-160	2.69	25		†
tert-Butyl Alcohol (TBA)	97.3	20	µg/L	100		97.3	40-160	1.59	25		†
n-Butylbenzene	9.31	1.0	µg/L	10.0		93.1	70-130	0.431	25		
sec-Butylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130	1.70	25		
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.05	25		
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	µg/L	10.0		102	70-130	0.885	25		
Carbon Disulfide	98.8	5.0	µg/L	100		98.8	70-130	3.25	25		
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	4.35	25		
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.496	25		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	6.07	25		
Chloroethane	9.75	2.0	µg/L	10.0		97.5	70-130	1.13	25		
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	2.62	25		
Chloromethane	4.00	2.0	µg/L	10.0		40.0	40-160	6.45	25	V-05, V-34	†
2-Chlorotoluene	9.97	1.0	µg/L	10.0		99.7	70-130	0.200	25		
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	1.19	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.66	5.0	µg/L	10.0		96.6	70-130	2.45	25		
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	3.35	25		
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	4.50	25		
1,2-Dichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130	1.19	25		
1,3-Dichlorobenzene	9.53	1.0	µg/L	10.0		95.3	70-130	0.210	25		
1,4-Dichlorobenzene	9.27	1.0	µg/L	10.0		92.7	70-130	1.71	25		
trans-1,4-Dichloro-2-butene	12.8	2.0	µg/L	10.0		128	70-130	4.36	25	V-20	
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0		100	40-160	7.00	25		†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	4.68	25		
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.272	25		
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.579	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.36	25		
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	4.57	25		
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	5.81	25		
1,3-Dichloropropane	9.93	0.50	µg/L	10.0		99.3	70-130	4.05	25		
2,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	40-130	3.27	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310547 - SW-846 5030B											
LCS Dup (B310547-BSD1)				Prepared & Analyzed: 06/13/22							
1,1-Dichloropropene	10.0	2.0	µg/L	10.0		100	70-130	2.22	25		
cis-1,3-Dichloropropene	9.66	0.50	µg/L	10.0		96.6	70-130	4.06	25		
trans-1,3-Dichloropropene	9.80	0.50	µg/L	10.0		98.0	70-130	3.31	25		
Diethyl Ether	9.23	2.0	µg/L	10.0		92.3	70-130	0.326	25		
Diisopropyl Ether (DIPE)	9.83	0.50	µg/L	10.0		98.3	70-130	1.13	25		
1,4-Dioxane	89.2	50	µg/L	100		89.2	40-130	17.1	50		† ‡
Ethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130	1.01	25		
Hexachlorobutadiene	8.60	0.60	µg/L	10.0		86.0	70-130	4.88	25		
2-Hexanone (MBK)	94.6	10	µg/L	100		94.6	70-160	3.80	25		†
Isopropylbenzene (Cumene)	9.95	1.0	µg/L	10.0		99.5	70-130	0.909	25		
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	0.294	25		
Methyl Acetate	8.82	1.0	µg/L	10.0		88.2	70-130	6.80	25		
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	0.0959	25		
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	3.59	25		
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130	1.71	25		
4-Methyl-2-pentanone (MIBK)	96.2	10	µg/L	100		96.2	70-160	4.65	25		†
Naphthalene	7.89	2.0	µg/L	10.0		78.9	40-130	3.24	25		†
n-Propylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130	0.602	25		
Styrene	10.0	1.0	µg/L	10.0		100	70-130	1.38	25		
1,1,1,2-Tetrachloroethane	11.2	1.0	µg/L	10.0		112	70-130	2.48	25		
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130	6.91	25		
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.50	25		
Tetrahydrofuran	10.3	10	µg/L	10.0		103	70-130	6.33	25		
Toluene	9.73	1.0	µg/L	10.0		97.3	70-130	0.205	25		
1,2,3-Trichlorobenzene	7.56	5.0	µg/L	10.0		75.6	70-130	2.87	25	V-05	
1,2,4-Trichlorobenzene	8.16	1.0	µg/L	10.0		81.6	70-130	1.10	25		
1,3,5-Trichlorobenzene	8.70	1.0	µg/L	10.0		87.0	70-130	1.48	25		
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	5.60	25		
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	2.99	25		
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	2.64	25		
Trichlorofluoromethane (Freon 11)	8.93	2.0	µg/L	10.0		89.3	70-130	2.54	25		
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110	70-130	3.39	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	5.02	25		
1,2,4-Trimethylbenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.58	25		
1,3,5-Trimethylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130	1.00	25		
Vinyl Chloride	9.36	2.0	µg/L	10.0		93.6	40-160	4.70	25		†
m+p Xylene	19.9	2.0	µg/L	20.0		99.7	70-130	2.53	25		
o-Xylene	9.90	1.0	µg/L	10.0		99.0	70-130	0.202	25		
Xylenes (total)	29.8	1.0	µg/L	30.0		99.5	0-200	1.76			
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.7	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310626 - SW-846 3510C										
Blank (B310626-BLK1)				Prepared: 06/14/22 Analyzed: 06/20/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							R-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							V-20
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310626 - SW-846 3510C										
Blank (B310626-BLK1)				Prepared: 06/14/22 Analyzed: 06/20/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							V-35
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	0.56	10	µg/L							B, J
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*75.4*		µg/L	200		37.7	15-110			
Surrogate: Phenol-d6	*52.4*		µg/L	200		26.2	15-110			
Surrogate: Nitrobenzene-d5	*70.5*		µg/L	100		70.5	30-130			
Surrogate: 2-Fluorobiphenyl	*62.4*		µg/L	100		62.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*143*		µg/L	200		71.5	15-110			
Surrogate: p-Terphenyl-d14	*93.9*		µg/L	100		93.9	30-130			
LCS (B310626-BS1)				Prepared: 06/14/22 Analyzed: 06/20/22						
Acenaphthene	28.9	5.0	µg/L	50.0		57.8	40-140			
Acenaphthylene	31.1	5.0	µg/L	50.0		62.2	40-140			
Acetophenone	29.9	10	µg/L	50.0		59.8	40-140			
Aniline	30.7	5.0	µg/L	50.0		61.4	40-140			
Anthracene	33.8	5.0	µg/L	50.0		67.7	40-140			
Benzidine	30.6	20	µg/L	50.0		61.3	40-140			R-05, V-35
Benzo(a)anthracene	36.8	5.0	µg/L	50.0		73.5	40-140			
Benzo(a)pyrene	36.2	5.0	µg/L	50.0		72.5	40-140			
Benzo(b)fluoranthene	38.5	5.0	µg/L	50.0		76.9	40-140			
Benzo(g,h,i)perylene	40.6	5.0	µg/L	50.0		81.2	40-140			
Benzo(k)fluoranthene	40.8	5.0	µg/L	50.0		81.7	40-140			
Benzoic Acid	18.8	10	µg/L	50.0		37.5	10-130			†
Bis(2-chloroethoxy)methane	30.2	10	µg/L	50.0		60.3	40-140			
Bis(2-chloroethyl)ether	26.6	10	µg/L	50.0		53.1	40-140			
Bis(2-chloroisopropyl)ether	29.0	10	µg/L	50.0		58.0	40-140			
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140			
4-Bromophenylphenylether	34.6	10	µg/L	50.0		69.1	40-140			
Butylbenzylphthalate	40.9	10	µg/L	50.0		81.9	40-140			
Carbazole	34.5	10	µg/L	50.0		69.0	40-140			
4-Chloroaniline	32.9	10	µg/L	50.0		65.9	40-140			V-34
4-Chloro-3-methylphenol	36.0	10	µg/L	50.0		72.1	30-130			
2-Chloronaphthalene	27.1	10	µg/L	50.0		54.1	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310626 - SW-846 3510C												
LCS (B310626-BS1)				Prepared: 06/14/22 Analyzed: 06/20/22								
2-Chlorophenol	29.0	10	µg/L	50.0		58.0		30-130				
4-Chlorophenylphenylether	33.4	10	µg/L	50.0		66.8		40-140				
Chrysene	34.6	5.0	µg/L	50.0		69.2		40-140				
Dibenz(a,h)anthracene	40.2	5.0	µg/L	50.0		80.5		40-140				
Dibenzofuran	32.7	5.0	µg/L	50.0		65.4		40-140				
Di-n-butylphthalate	38.1	10	µg/L	50.0		76.2		40-140				
1,2-Dichlorobenzene	22.1	5.0	µg/L	50.0		44.3		40-140				
1,3-Dichlorobenzene	21.1	5.0	µg/L	50.0		42.2		40-140				
1,4-Dichlorobenzene	21.2	5.0	µg/L	50.0		42.4		40-140				
3,3-Dichlorobenzidine	38.9	10	µg/L	50.0		77.7		40-140				
2,4-Dichlorophenol	33.8	10	µg/L	50.0		67.7		30-130				
Diethylphthalate	37.7	10	µg/L	50.0		75.4		40-140				
2,4-Dimethylphenol	29.1	10	µg/L	50.0		58.2		30-130				
Dimethylphthalate	36.9	10	µg/L	50.0		73.8		40-140				
4,6-Dinitro-2-methylphenol	38.7	10	µg/L	50.0		77.5		30-130				
2,4-Dinitrophenol	35.6	10	µg/L	50.0		71.2		30-130				
2,4-Dinitrotoluene	38.4	10	µg/L	50.0		76.9		40-140				
2,6-Dinitrotoluene	38.7	10	µg/L	50.0		77.3		40-140				
Di-n-octylphthalate	44.5	10	µg/L	50.0		89.1		40-140				
1,2-Diphenylhydrazine/Azobenzene	29.2	10	µg/L	50.0		58.4		40-140				
Fluoranthene	36.1	5.0	µg/L	50.0		72.2		40-140				
Fluorene	33.1	5.0	µg/L	50.0		66.2		40-140				
Hexachlorobenzene	33.4	10	µg/L	50.0		66.8		40-140				
Hexachlorobutadiene	25.1	10	µg/L	50.0		50.1		40-140				
Hexachlorocyclopentadiene	7.94	10	µg/L	50.0		**15.9**	*	30-140			L-04, V-05, J	†
Hexachloroethane	20.2	10	µg/L	50.0		40.4		40-140				
Indeno(1,2,3-cd)pyrene	42.7	5.0	µg/L	50.0		85.4		40-140			V-06	
Isophorone	32.8	10	µg/L	50.0		65.6		40-140				
1-Methylnaphthalene	26.7	5.0	µg/L	50.0		53.4		40-140				
2-Methylnaphthalene	31.2	5.0	µg/L	50.0		62.3		40-140				
2-Methylphenol	28.2	10	µg/L	50.0		56.4		30-130				
3/4-Methylphenol	27.7	10	µg/L	50.0		55.4		30-130				
Naphthalene	27.3	5.0	µg/L	50.0		54.6		40-140				
2-Nitroaniline	34.8	10	µg/L	50.0		69.6		40-140			V-35	
3-Nitroaniline	36.1	10	µg/L	50.0		72.2		40-140				
4-Nitroaniline	32.3	10	µg/L	50.0		64.6		40-140				
Nitrobenzene	28.8	10	µg/L	50.0		57.6		40-140				
2-Nitrophenol	33.0	10	µg/L	50.0		65.9		30-130				
4-Nitrophenol	23.4	10	µg/L	50.0		46.8		10-130				†
N-Nitrosodimethylamine	23.1	10	µg/L	50.0		46.1		40-140				
N-Nitrosodiphenylamine/Diphenylamine	33.5	10	µg/L	50.0		67.1		40-140				
N-Nitrosodi-n-propylamine	31.8	10	µg/L	50.0		63.7		40-140				
Pentachloronitrobenzene	40.7	10	µg/L	50.0		81.4		40-140				
Pentachlorophenol	26.0	10	µg/L	50.0		52.1		30-130				
Phenanthrene	33.4	5.0	µg/L	50.0		66.9		40-140				
Phenol	14.4	10	µg/L	50.0		28.9		20-130				†
Pyrene	38.2	5.0	µg/L	50.0		76.4		40-140				
Pyridine	14.1	5.0	µg/L	50.0		28.2		10-140				†
1,2,4,5-Tetrachlorobenzene	28.3	10	µg/L	50.0		56.6		40-140				
1,2,4-Trichlorobenzene	25.3	5.0	µg/L	50.0		50.6		40-140				
2,4,5-Trichlorophenol	35.5	10	µg/L	50.0		70.9		30-130				
2,4,6-Trichlorophenol	35.1	10	µg/L	50.0		70.1		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B310626 - SW-846 3510C												
LCS (B310626-BS1)				Prepared: 06/14/22 Analyzed: 06/20/22								
Surrogate: 2-Fluorophenol	*82.8*		µg/L	200		41.4	15-110					
Surrogate: Phenol-d6	*58.3*		µg/L	200		29.1	15-110					
Surrogate: Nitrobenzene-d5	*79.6*		µg/L	100		79.6	30-130					
Surrogate: 2-Fluorobiphenyl	*70.2*		µg/L	100		70.2	30-130					
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.3	15-110					
Surrogate: p-Terphenyl-d14	*91.8*		µg/L	100		91.8	30-130					
LCS Dup (B310626-BSD1)				Prepared: 06/14/22 Analyzed: 06/20/22								
Acenaphthene	28.2	5.0	µg/L	50.0		56.4	40-140	2.49		20		
Acenaphthylene	30.6	5.0	µg/L	50.0		61.3	40-140	1.39		20		
Acetophenone	29.1	10	µg/L	50.0		58.2	40-140	2.78		20		
Aniline	30.3	5.0	µg/L	50.0		60.6	40-140	1.44		50		‡
Anthracene	33.8	5.0	µg/L	50.0		67.7	40-140	0.00		20		
Benzidine	40.7	20	µg/L	50.0		81.5	40-140	**28.3**	*	20	R-05, V-35	
Benzo(a)anthracene	37.0	5.0	µg/L	50.0		74.1	40-140	0.786		20		
Benzo(a)pyrene	36.1	5.0	µg/L	50.0		72.1	40-140	0.526		20		
Benzo(b)fluoranthene	38.4	5.0	µg/L	50.0		76.8	40-140	0.182		20		
Benzo(g,h,i)perylene	41.2	5.0	µg/L	50.0		82.4	40-140	1.44		20		
Benzo(k)fluoranthene	40.5	5.0	µg/L	50.0		80.9	40-140	0.910		20		
Benzoic Acid	19.3	10	µg/L	50.0		38.6	10-130	2.89		50		† ‡
Bis(2-chloroethoxy)methane	29.4	10	µg/L	50.0		58.8	40-140	2.48		20		
Bis(2-chloroethyl)ether	25.9	10	µg/L	50.0		51.9	40-140	2.40		20		
Bis(2-chloroisopropyl)ether	27.7	10	µg/L	50.0		55.4	40-140	4.55		20		
Bis(2-Ethylhexyl)phthalate	40.6	10	µg/L	50.0		81.3	40-140	0.516		20		
4-Bromophenylphenylether	33.7	10	µg/L	50.0		67.4	40-140	2.49		20		
Butylbenzylphthalate	40.6	10	µg/L	50.0		81.3	40-140	0.711		20		
Carbazole	34.3	10	µg/L	50.0		68.5	40-140	0.698		20		
4-Chloroaniline	32.5	10	µg/L	50.0		64.9	40-140	1.47		20	V-34	
4-Chloro-3-methylphenol	36.2	10	µg/L	50.0		72.4	30-130	0.498		20		
2-Chloronaphthalene	26.8	10	µg/L	50.0		53.6	40-140	0.928		20		
2-Chlorophenol	27.9	10	µg/L	50.0		55.8	30-130	3.86		20		
4-Chlorophenylphenylether	32.7	10	µg/L	50.0		65.4	40-140	2.21		20		
Chrysene	34.8	5.0	µg/L	50.0		69.7	40-140	0.633		20		
Dibenz(a,h)anthracene	41.1	5.0	µg/L	50.0		82.3	40-140	2.16		20		
Dibenzofuran	32.7	5.0	µg/L	50.0		65.4	40-140	0.0306		20		
Di-n-butylphthalate	37.3	10	µg/L	50.0		74.7	40-140	2.07		20		
1,2-Dichlorobenzene	21.9	5.0	µg/L	50.0		43.7	40-140	1.23		20		
1,3-Dichlorobenzene	20.9	5.0	µg/L	50.0		41.8	40-140	0.952		20		
1,4-Dichlorobenzene	21.0	5.0	µg/L	50.0		42.0	40-140	1.04		20		
3,3-Dichlorobenzidine	38.2	10	µg/L	50.0		76.3	40-140	1.82		20		
2,4-Dichlorophenol	33.0	10	µg/L	50.0		66.1	30-130	2.42		20		
Diethylphthalate	38.1	10	µg/L	50.0		76.1	40-140	0.924		20		
2,4-Dimethylphenol	28.4	10	µg/L	50.0		56.8	30-130	2.51		20		
Dimethylphthalate	36.9	10	µg/L	50.0		73.8	40-140	0.0813		50		‡
4,6-Dinitro-2-methylphenol	39.1	10	µg/L	50.0		78.1	30-130	0.823		50		‡
2,4-Dinitrophenol	35.4	10	µg/L	50.0		70.7	30-130	0.649		50		‡
2,4-Dinitrotoluene	37.4	10	µg/L	50.0		74.9	40-140	2.58		20		
2,6-Dinitrotoluene	37.8	10	µg/L	50.0		75.6	40-140	2.30		20		
Di-n-octylphthalate	44.4	10	µg/L	50.0		88.8	40-140	0.247		20		
1,2-Diphenylhydrazine/Azobenzene	29.0	10	µg/L	50.0		57.9	40-140	0.894		20		
Fluoranthene	35.5	5.0	µg/L	50.0		71.0	40-140	1.59		20		
Fluorene	32.6	5.0	µg/L	50.0		65.3	40-140	1.34		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310626 - SW-846 3510C												
LCS Dup (B310626-BSD1)				Prepared: 06/14/22 Analyzed: 06/20/22								
Hexachlorobenzene	33.4	10	µg/L	50.0		66.7		40-140	0.180	20		
Hexachlorobutadiene	24.0	10	µg/L	50.0		48.1		40-140	4.11	20		
Hexachlorocyclopentadiene	7.78	10	µg/L	50.0		**15.6**	*	30-140	2.04	50	L-04, V-05, J	† ‡
Hexachloroethane	19.6	10	µg/L	50.0		**39.2**	*	40-140	3.02	50	L-07	‡
Indeno(1,2,3-cd)pyrene	42.6	5.0	µg/L	50.0		85.1		40-140	0.305	50	V-06	‡
Isophorone	32.0	10	µg/L	50.0		64.1		40-140	2.41	20		
1-Methylnaphthalene	26.4	5.0	µg/L	50.0		52.8		40-140	1.21	20		
2-Methylnaphthalene	30.1	5.0	µg/L	50.0		60.2		40-140	3.39	20		
2-Methylphenol	27.8	10	µg/L	50.0		55.6		30-130	1.50	20		
3/4-Methylphenol	26.7	10	µg/L	50.0		53.3		30-130	3.72	20		
Naphthalene	26.8	5.0	µg/L	50.0		53.7		40-140	1.70	20		
2-Nitroaniline	35.0	10	µg/L	50.0		70.0		40-140	0.602	20	V-35	
3-Nitroaniline	34.4	10	µg/L	50.0		68.7		40-140	4.99	20		
4-Nitroaniline	33.4	10	µg/L	50.0		66.7		40-140	3.17	20		
Nitrobenzene	28.0	10	µg/L	50.0		56.0		40-140	2.96	20		
2-Nitrophenol	32.1	10	µg/L	50.0		64.2		30-130	2.64	20		
4-Nitrophenol	24.3	10	µg/L	50.0		48.6		10-130	3.78	50		† ‡
N-Nitrosodimethylamine	23.7	10	µg/L	50.0		47.4		40-140	2.65	20		
N-Nitrosodiphenylamine/Diphenylamine	33.3	10	µg/L	50.0		66.7		40-140	0.598	20		
N-Nitrosodi-n-propylamine	30.7	10	µg/L	50.0		61.4		40-140	3.68	20		
Pentachloronitrobenzene	38.6	10	µg/L	50.0		77.3		40-140	5.19	20		
Pentachlorophenol	25.8	10	µg/L	50.0		51.6		30-130	0.888	50		‡
Phenanthrene	32.8	5.0	µg/L	50.0		65.5		40-140	2.02	20		
Phenol	14.8	10	µg/L	50.0		29.5		20-130	2.26	20		†
Pyrene	38.5	5.0	µg/L	50.0		77.1		40-140	0.912	20		
Pyridine	14.6	5.0	µg/L	50.0		29.2		10-140	3.42	50		† ‡
1,2,4,5-Tetrachlorobenzene	28.3	10	µg/L	50.0		56.7		40-140	0.141	20		
1,2,4-Trichlorobenzene	24.5	5.0	µg/L	50.0		49.1		40-140	3.05	20		
2,4,5-Trichlorophenol	36.1	10	µg/L	50.0		72.1		30-130	1.65	20		
2,4,6-Trichlorophenol	35.0	10	µg/L	50.0		70.0		30-130	0.143	50		‡
Surrogate: 2-Fluorophenol	*81.7*		µg/L	200		40.8		15-110				
Surrogate: Phenol-d6	*57.8*		µg/L	200		28.9		15-110				
Surrogate: Nitrobenzene-d5	*77.5*		µg/L	100		77.5		30-130				
Surrogate: 2-Fluorobiphenyl	*69.2*		µg/L	100		69.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*150*		µg/L	200		75.1		15-110				
Surrogate: p-Terphenyl-d14	*91.0*		µg/L	100		91.0		30-130				
Batch B311314 - SW-846 3510C												
Blank (B311314-BLK1)				Prepared: 06/22/22 Analyzed: 06/24/22								
Acenaphthene	ND	5.0	µg/L									
Acenaphthylene	ND	5.0	µg/L									
Acetophenone	ND	10	µg/L									
Aniline	ND	5.0	µg/L									
Anthracene	ND	5.0	µg/L									
Benzidine	ND	20	µg/L								V-35, R-05, V-05	
Benzo(a)anthracene	ND	5.0	µg/L									
Benzo(a)pyrene	ND	5.0	µg/L									
Benzo(b)fluoranthene	ND	5.0	µg/L									
Benzo(g,h,i)perylene	ND	5.0	µg/L									
Benzo(k)fluoranthene	ND	5.0	µg/L									
Benzoic Acid	ND	10	µg/L									
Bis(2-chloroethoxy)methane	ND	10	µg/L									

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311314 - SW-846 3510C										
Blank (B311314-BLK1)				Prepared: 06/22/22 Analyzed: 06/24/22						
Bis(2-chloroethyl)ether	ND	10	µg/L							V-05
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-05
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							L-04
1,3-Dichlorobenzene	ND	5.0	µg/L							L-04
1,4-Dichlorobenzene	ND	5.0	µg/L							L-04
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							V-05
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							L-04
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							L-04, V-05
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							V-05
Pentachloronitrobenzene	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B311314 - SW-846 3510C											
Blank (B311314-BLK1)				Prepared: 06/22/22 Analyzed: 06/24/22							
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*74.2*		µg/L	200		37.1		15-110			
Surrogate: Phenol-d6	*51.3*		µg/L	200		25.6		15-110			
Surrogate: Nitrobenzene-d5	*73.1*		µg/L	100		73.1		30-130			
Surrogate: 2-Fluorobiphenyl	*52.6*		µg/L	100		52.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*129*		µg/L	200		64.4		15-110			
Surrogate: p-Terphenyl-d14	*70.7*		µg/L	100		70.7		30-130			
LCS (B311314-BS1)				Prepared: 06/22/22 Analyzed: 06/24/22							
Acenaphthene	28.5	5.0	µg/L	50.0		56.9		40-140			
Acenaphthylene	27.8	5.0	µg/L	50.0		55.6		40-140			
Acetophenone	29.3	10	µg/L	50.0		58.6		40-140			
Aniline	31.0	5.0	µg/L	50.0		62.1		40-140			
Anthracene	30.2	5.0	µg/L	50.0		60.5		40-140			
Benzidine	39.2	20	µg/L	50.0		78.4		40-140			R-05, V-05, V-35
Benzo(a)anthracene	30.4	5.0	µg/L	50.0		60.7		40-140			
Benzo(a)pyrene	28.9	5.0	µg/L	50.0		57.8		40-140			
Benzo(b)fluoranthene	28.4	5.0	µg/L	50.0		56.8		40-140			
Benzo(g,h,i)perylene	35.8	5.0	µg/L	50.0		71.7		40-140			
Benzo(k)fluoranthene	30.6	5.0	µg/L	50.0		61.2		40-140			
Benzoic Acid	18.4	10	µg/L	50.0		36.8		10-130			†
Bis(2-chloroethoxy)methane	32.0	10	µg/L	50.0		63.9		40-140			
Bis(2-chloroethyl)ether	29.6	10	µg/L	50.0		59.3		40-140			V-05
Bis(2-chloroisopropyl)ether	26.4	10	µg/L	50.0		52.8		40-140			V-05
Bis(2-Ethylhexyl)phthalate	30.6	10	µg/L	50.0		61.1		40-140			
4-Bromophenylphenylether	31.9	10	µg/L	50.0		63.8		40-140			
Butylbenzylphthalate	32.2	10	µg/L	50.0		64.3		40-140			
Carbazole	29.6	10	µg/L	50.0		59.2		40-140			
4-Chloroaniline	29.5	10	µg/L	50.0		59.0		40-140			V-34
4-Chloro-3-methylphenol	30.5	10	µg/L	50.0		61.0		30-130			
2-Chloronaphthalene	25.1	10	µg/L	50.0		50.2		40-140			
2-Chlorophenol	28.1	10	µg/L	50.0		56.1		30-130			
4-Chlorophenylphenylether	29.8	10	µg/L	50.0		59.6		40-140			
Chrysene	30.1	5.0	µg/L	50.0		60.2		40-140			
Dibenz(a,h)anthracene	36.2	5.0	µg/L	50.0		72.4		40-140			
Dibenzofuran	29.7	5.0	µg/L	50.0		59.3		40-140			
Di-n-butylphthalate	30.8	10	µg/L	50.0		61.5		40-140			
1,2-Dichlorobenzene	17.6	5.0	µg/L	50.0		**35.1**	*	40-140			L-04
1,3-Dichlorobenzene	15.9	5.0	µg/L	50.0		**31.7**	*	40-140			L-04
1,4-Dichlorobenzene	16.3	5.0	µg/L	50.0		**32.7**	*	40-140			L-04
3,3-Dichlorobenzidine	36.0	10	µg/L	50.0		71.9		40-140			
2,4-Dichlorophenol	30.8	10	µg/L	50.0		61.7		30-130			
Diethylphthalate	29.1	10	µg/L	50.0		58.2		40-140			
2,4-Dimethylphenol	29.4	10	µg/L	50.0		58.8		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B311314 - SW-846 3510C												
LCS (B311314-BS1)				Prepared: 06/22/22 Analyzed: 06/24/22								
Dimethylphthalate	30.7	10	µg/L	50.0		61.4		40-140				
4,6-Dinitro-2-methylphenol	43.4	10	µg/L	50.0		86.7		30-130			V-04, V-06	
2,4-Dinitrophenol	38.0	10	µg/L	50.0		76.1		30-130			V-04, V-06	
2,4-Dinitrotoluene	31.6	10	µg/L	50.0		63.2		40-140				
2,6-Dinitrotoluene	34.6	10	µg/L	50.0		69.3		40-140				
Di-n-octylphthalate	26.6	10	µg/L	50.0		53.2		40-140			V-05	
1,2-Diphenylhydrazine/Azobenzene	30.6	10	µg/L	50.0		61.3		40-140				
Fluoranthene	29.4	5.0	µg/L	50.0		58.8		40-140				
Fluorene	28.5	5.0	µg/L	50.0		57.0		40-140				
Hexachlorobenzene	31.6	10	µg/L	50.0		63.2		40-140				
Hexachlorobutadiene	18.9	10	µg/L	50.0		**37.8**	*	40-140			L-04	
Hexachlorocyclopentadiene	26.4	10	µg/L	50.0		52.8		30-140				†
Hexachloroethane	15.1	10	µg/L	50.0		**30.2**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	36.6	5.0	µg/L	50.0		73.2		40-140				
Isophorone	30.7	10	µg/L	50.0		61.4		40-140				
1-Methylnaphthalene	23.8	5.0	µg/L	50.0		47.7		40-140				
2-Methylnaphthalene	27.7	5.0	µg/L	50.0		55.4		40-140				
2-Methylphenol	27.8	10	µg/L	50.0		55.6		30-130				
3/4-Methylphenol	25.7	10	µg/L	50.0		51.4		30-130				
Naphthalene	24.8	5.0	µg/L	50.0		49.5		40-140				
2-Nitroaniline	39.3	10	µg/L	50.0		78.5		40-140				
3-Nitroaniline	32.6	10	µg/L	50.0		65.3		40-140				
4-Nitroaniline	30.8	10	µg/L	50.0		61.5		40-140				
Nitrobenzene	29.6	10	µg/L	50.0		59.3		40-140				
2-Nitrophenol	35.5	10	µg/L	50.0		71.0		30-130				
4-Nitrophenol	16.3	10	µg/L	50.0		32.6		10-130				†
N-Nitrosodimethylamine	17.6	10	µg/L	50.0		**35.3**	*	40-140			L-04, V-05	
N-Nitrosodiphenylamine/Diphenylamine	32.4	10	µg/L	50.0		64.8		40-140				
N-Nitrosodi-n-propylamine	30.2	10	µg/L	50.0		60.4		40-140			V-05	
Pentachloronitrobenzene	32.5	10	µg/L	50.0		64.9		40-140				
Pentachlorophenol	30.7	10	µg/L	50.0		61.4		30-130				
Phenanthrene	30.2	5.0	µg/L	50.0		60.3		40-140				
Phenol	14.2	10	µg/L	50.0		28.4		20-130				†
Pyrene	30.3	5.0	µg/L	50.0		60.6		40-140				
Pyridine	17.0	5.0	µg/L	50.0		33.9		10-140				†
1,2,4,5-Tetrachlorobenzene	27.3	10	µg/L	50.0		54.5		40-140				
1,2,4-Trichlorobenzene	21.8	5.0	µg/L	50.0		43.6		40-140				
2,4,5-Trichlorophenol	31.9	10	µg/L	50.0		63.8		30-130				
2,4,6-Trichlorophenol	31.6	10	µg/L	50.0		63.2		30-130				
Surrogate: 2-Fluorophenol	*82.9*		µg/L	200		41.5		15-110				
Surrogate: Phenol-d6	*56.3*		µg/L	200		28.1		15-110				
Surrogate: Nitrobenzene-d5	*81.1*		µg/L	100		81.1		30-130				
Surrogate: 2-Fluorobiphenyl	*62.7*		µg/L	100		62.7		30-130				
Surrogate: 2,4,6-Tribromophenol	*131*		µg/L	200		65.7		15-110				
Surrogate: p-Terphenyl-d14	*69.1*		µg/L	100		69.1		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B311314 - SW-846 3510C													
LCS Dup (B311314-BSD1)				Prepared: 06/22/22 Analyzed: 06/24/22									
Acenaphthene	25.8	5.0	µg/L	50.0		51.5		40-140	9.96		20		
Acenaphthylene	25.5	5.0	µg/L	50.0		51.0		40-140	8.59		20		
Acetophenone	25.9	10	µg/L	50.0		51.8		40-140	12.4		20		
Aniline	27.8	5.0	µg/L	50.0		55.6		40-140	11.1		50		‡
Anthracene	27.5	5.0	µg/L	50.0		55.1		40-140	9.38		20		
Benzidine	18.5	20	µg/L	50.0		**37.0**	*	40-140	**71.7**	*	20	L-07A, V-05, V-35, J	
Benzo(a)anthracene	27.6	5.0	µg/L	50.0		55.2		40-140	9.45		20		
Benzo(a)pyrene	26.2	5.0	µg/L	50.0		52.4		40-140	9.72		20		
Benzo(b)fluoranthene	26.2	5.0	µg/L	50.0		52.4		40-140	8.06		20		
Benzo(g,h,i)perylene	32.6	5.0	µg/L	50.0		65.2		40-140	9.47		20		
Benzo(k)fluoranthene	28.7	5.0	µg/L	50.0		57.4		40-140	6.37		20		
Benzoic Acid	18.0	10	µg/L	50.0		35.9		10-130	2.31		50		† ‡
Bis(2-chloroethoxy)methane	28.4	10	µg/L	50.0		56.9		40-140	11.6		20		
Bis(2-chloroethyl)ether	25.5	10	µg/L	50.0		50.9		40-140	15.1		20	V-05	
Bis(2-chloroisopropyl)ether	22.6	10	µg/L	50.0		45.2		40-140	15.6		20	V-05	
Bis(2-Ethylhexyl)phthalate	27.5	10	µg/L	50.0		55.0		40-140	10.4		20		
4-Bromophenylphenylether	28.9	10	µg/L	50.0		57.8		40-140	9.87		20		
Butylbenzylphthalate	28.9	10	µg/L	50.0		57.8		40-140	10.7		20		
Carbazole	27.3	10	µg/L	50.0		54.5		40-140	8.16		20		
4-Chloroaniline	27.4	10	µg/L	50.0		54.9		40-140	7.24		20	V-34	
4-Chloro-3-methylphenol	28.2	10	µg/L	50.0		56.4		30-130	7.84		20		
2-Chloronaphthalene	22.9	10	µg/L	50.0		45.9		40-140	9.04		20		
2-Chlorophenol	25.4	10	µg/L	50.0		50.8		30-130	10.1		20		
4-Chlorophenylphenylether	27.5	10	µg/L	50.0		55.0		40-140	8.03		20		
Chrysene	27.7	5.0	µg/L	50.0		55.4		40-140	8.31		20		
Dibenz(a,h)anthracene	32.9	5.0	µg/L	50.0		65.7		40-140	9.70		20		
Dibenzofuran	27.2	5.0	µg/L	50.0		54.4		40-140	8.72		20		
Di-n-butylphthalate	27.8	10	µg/L	50.0		55.7		40-140	9.93		20		
1,2-Dichlorobenzene	16.3	5.0	µg/L	50.0		**32.7**	*	40-140	7.25		20	L-04	
1,3-Dichlorobenzene	15.0	5.0	µg/L	50.0		**29.9**	*	40-140	5.91		20	L-04	
1,4-Dichlorobenzene	15.3	5.0	µg/L	50.0		**30.6**	*	40-140	6.51		20	L-04	
3,3-Dichlorobenzidine	32.4	10	µg/L	50.0		64.7		40-140	10.5		20		
2,4-Dichlorophenol	28.2	10	µg/L	50.0		56.3		30-130	9.08		20		
Diethylphthalate	27.3	10	µg/L	50.0		54.6		40-140	6.39		20		
2,4-Dimethylphenol	27.0	10	µg/L	50.0		54.0		30-130	8.44		20		
Dimethylphthalate	28.8	10	µg/L	50.0		57.6		40-140	6.49		50		‡
4,6-Dinitro-2-methylphenol	39.8	10	µg/L	50.0		79.6		30-130	8.59		50	V-04, V-06	‡
2,4-Dinitrophenol	34.8	10	µg/L	50.0		69.6		30-130	8.84		50	V-04, V-06	‡
2,4-Dinitrotoluene	29.5	10	µg/L	50.0		59.0		40-140	6.94		20		
2,6-Dinitrotoluene	32.5	10	µg/L	50.0		65.0		40-140	6.47		20		
Di-n-octylphthalate	24.7	10	µg/L	50.0		49.4		40-140	7.56		20	V-05	
1,2-Diphenylhydrazine/Azobenzene	27.0	10	µg/L	50.0		54.1		40-140	12.5		20		
Fluoranthene	27.2	5.0	µg/L	50.0		54.3		40-140	7.82		20		
Fluorene	26.7	5.0	µg/L	50.0		53.3		40-140	6.60		20		
Hexachlorobenzene	28.5	10	µg/L	50.0		57.0		40-140	10.4		20		
Hexachlorobutadiene	17.9	10	µg/L	50.0		**35.9**	*	40-140	5.21		20	L-04	
Hexachlorocyclopentadiene	25.3	10	µg/L	50.0		50.5		30-140	4.37		50		† ‡
Hexachloroethane	14.2	10	µg/L	50.0		**28.5**	*	40-140	5.93		50	L-04	‡
Indeno(1,2,3-cd)pyrene	33.0	5.0	µg/L	50.0		66.1		40-140	10.3		50		‡
Isophorone	27.6	10	µg/L	50.0		55.1		40-140	10.8		20		
1-Methylnaphthalene	21.6	5.0	µg/L	50.0		43.2		40-140	9.81		20		
2-Methylnaphthalene	25.1	5.0	µg/L	50.0		50.2		40-140	9.88		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B311314 - SW-846 3510C												
LCS Dup (B311314-BSD1)				Prepared: 06/22/22 Analyzed: 06/24/22								
2-Methylphenol	25.4	10	µg/L	50.0		50.7		30-130	9.18	20		
3/4-Methylphenol	23.4	10	µg/L	50.0		46.7		30-130	9.46	20		
Naphthalene	22.6	5.0	µg/L	50.0		45.2		40-140	8.99	20		
2-Nitroaniline	35.4	10	µg/L	50.0		70.8		40-140	10.4	20		
3-Nitroaniline	31.1	10	µg/L	50.0		62.2		40-140	4.80	20		
4-Nitroaniline	29.2	10	µg/L	50.0		58.3		40-140	5.37	20		
Nitrobenzene	26.3	10	µg/L	50.0		52.6		40-140	12.0	20		
2-Nitrophenol	32.1	10	µg/L	50.0		64.2		30-130	10.1	20		
4-Nitrophenol	16.0	10	µg/L	50.0		31.9		10-130	2.17	50		† ‡
N-Nitrosodimethylamine	15.5	10	µg/L	50.0		**31.0**	*	40-140	12.8	20	L-04, V-05	
N-Nitrosodiphenylamine/Diphenylamine	29.2	10	µg/L	50.0		58.4		40-140	10.3	20		
N-Nitrosodi-n-propylamine	26.8	10	µg/L	50.0		53.5		40-140	12.1	20	V-05	
Pentachloronitrobenzene	29.3	10	µg/L	50.0		58.6		40-140	10.2	20		
Pentachlorophenol	27.5	10	µg/L	50.0		55.1		30-130	10.9	50		‡
Phenanthrene	27.4	5.0	µg/L	50.0		54.8		40-140	9.66	20		
Phenol	13.3	10	µg/L	50.0		26.5		20-130	6.70	20		†
Pyrene	27.7	5.0	µg/L	50.0		55.4		40-140	8.86	20		
Pyridine	12.7	5.0	µg/L	50.0		25.4		10-140	28.8	50		† ‡
1,2,4,5-Tetrachlorobenzene	24.6	10	µg/L	50.0		49.2		40-140	10.2	20		
1,2,4-Trichlorobenzene	20.3	5.0	µg/L	50.0		40.5		40-140	7.32	20		
2,4,5-Trichlorophenol	29.6	10	µg/L	50.0		59.2		30-130	7.48	20		
2,4,6-Trichlorophenol	29.0	10	µg/L	50.0		58.1		30-130	8.41	50		‡
Surrogate: 2-Fluorophenol	*73.8*		µg/L	200		36.9		15-110				
Surrogate: Phenol-d6	*51.0*		µg/L	200		25.5		15-110				
Surrogate: Nitrobenzene-d5	*72.3*		µg/L	100		72.3		30-130				
Surrogate: 2-Fluorobiphenyl	*56.6*		µg/L	100		56.6		30-130				
Surrogate: 2,4,6-Tribromophenol	*121*		µg/L	200		60.5		15-110				
Surrogate: p-Terphenyl-d14	*63.1*		µg/L	100		63.1		30-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310984 - SW-846 3005A										
Blank (B310984-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	0.0030	0.010	mg/L							B, J
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B310984-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.484	0.050	mg/L	0.500		96.9	80-120			
Antimony	0.466	0.050	mg/L	0.500		93.1	80-120			
Arsenic	0.451	0.010	mg/L	0.500		90.2	80-120			
Barium	0.487	0.050	mg/L	0.500		97.4	80-120			
Beryllium	0.494	0.0040	mg/L	0.500		98.8	80-120			
Cadmium	0.474	0.0040	mg/L	0.500		94.8	80-120			
Calcium	3.94	0.50	mg/L	4.00		98.4	80-120			
Chromium	0.486	0.010	mg/L	0.500		97.2	80-120			
Cobalt	0.486	0.010	mg/L	0.500		97.2	80-120			
Copper	0.956	0.010	mg/L	1.00		95.6	80-120			
Iron	3.96	0.050	mg/L	4.00		99.0	80-120			
Lead	0.494	0.010	mg/L	0.500		98.7	80-120			
Magnesium	3.87	0.050	mg/L	4.00		96.8	80-120			
Manganese	0.486	0.010	mg/L	0.500		97.2	80-120			
Nickel	0.491	0.010	mg/L	0.500		98.3	80-120			
Potassium	3.88	2.0	mg/L	4.00		97.1	80-120			
Selenium	0.469	0.050	mg/L	0.500		93.8	80-120			
Silver	0.499	0.010	mg/L	0.500		99.9	80-120			
Sodium	3.99	2.0	mg/L	4.00		99.8	80-120			
Thallium	0.474	0.050	mg/L	0.500		94.7	80-120			
Vanadium	0.482	0.010	mg/L	0.500		96.4	80-120			
Zinc	0.973	0.010	mg/L	1.00		97.3	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310984 - SW-846 3005A										
LCS Dup (B310984-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.480	0.050	mg/L	0.500		95.9	80-120	1.02	20	
Antimony	0.458	0.050	mg/L	0.500		91.6	80-120	1.62	20	
Arsenic	0.445	0.010	mg/L	0.500		89.0	80-120	1.39	20	
Barium	0.485	0.050	mg/L	0.500		97.0	80-120	0.419	20	
Beryllium	0.496	0.0040	mg/L	0.500		99.3	80-120	0.513	20	
Cadmium	0.470	0.0040	mg/L	0.500		94.0	80-120	0.897	20	
Calcium	3.91	0.50	mg/L	4.00		97.7	80-120	0.750	20	
Chromium	0.483	0.010	mg/L	0.500		96.7	80-120	0.533	20	
Cobalt	0.484	0.010	mg/L	0.500		96.7	80-120	0.499	20	
Copper	0.950	0.010	mg/L	1.00		95.0	80-120	0.652	20	
Iron	3.95	0.050	mg/L	4.00		98.7	80-120	0.319	20	
Lead	0.493	0.010	mg/L	0.500		98.6	80-120	0.159	20	
Magnesium	3.86	0.050	mg/L	4.00		96.5	80-120	0.362	20	
Manganese	0.485	0.010	mg/L	0.500		97.0	80-120	0.225	20	
Nickel	0.489	0.010	mg/L	0.500		97.7	80-120	0.524	30	
Potassium	3.86	2.0	mg/L	4.00		96.6	80-120	0.463	20	
Selenium	0.463	0.050	mg/L	0.500		92.6	80-120	1.38	20	
Silver	0.493	0.010	mg/L	0.500		98.5	80-120	1.37	20	
Sodium	3.98	2.0	mg/L	4.00		99.5	80-120	0.330	20	
Thallium	0.466	0.050	mg/L	0.500		93.2	80-120	1.57	20	
Vanadium	0.475	0.010	mg/L	0.500		95.1	80-120	1.43	20	
Zinc	0.966	0.010	mg/L	1.00		96.6	80-120	0.714	20	
Batch B311019 - SW-846 3005A										
Blank (B311019-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311019 - SW-846 3005A										
LCS (B311019-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.478	0.050	mg/L	0.500		95.6	80-120			
Antimony	0.457	0.050	mg/L	0.500		91.5	80-120			
Arsenic	0.448	0.010	mg/L	0.500		89.6	80-120			
Barium	0.485	0.050	mg/L	0.500		96.9	80-120			
Beryllium	0.485	0.0040	mg/L	0.500		97.0	80-120			
Cadmium	0.469	0.0040	mg/L	0.500		93.8	80-120			
Calcium	3.87	0.50	mg/L	4.00		96.7	80-120			
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120			
Cobalt	0.483	0.010	mg/L	0.500		96.7	80-120			
Copper	0.967	0.010	mg/L	1.00		96.7	80-120			
Iron	3.90	0.050	mg/L	4.00		97.5	80-120			
Lead	0.491	0.010	mg/L	0.500		98.1	80-120			
Magnesium	3.82	0.050	mg/L	4.00		95.5	80-120			
Manganese	0.480	0.010	mg/L	0.500		96.0	80-120			
Nickel	0.511	0.010	mg/L	0.500		102	80-120			
Potassium	3.84	2.0	mg/L	4.00		96.1	80-120			
Selenium	0.462	0.050	mg/L	0.500		92.3	80-120			
Silver	0.491	0.010	mg/L	0.500		98.3	80-120			
Sodium	3.94	2.0	mg/L	4.00		98.4	80-120			
Thallium	0.463	0.050	mg/L	0.500		92.6	80-120			
Vanadium	0.477	0.010	mg/L	0.500		95.5	80-120			
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120			
LCS Dup (B311019-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.482	0.050	mg/L	0.500		96.4	80-120	0.846	20	
Antimony	0.459	0.050	mg/L	0.500		91.8	80-120	0.409	20	
Arsenic	0.450	0.010	mg/L	0.500		90.0	80-120	0.439	20	
Barium	0.485	0.050	mg/L	0.500		97.0	80-120	0.0915	20	
Beryllium	0.491	0.0040	mg/L	0.500		98.2	80-120	1.15	20	
Cadmium	0.472	0.0040	mg/L	0.500		94.4	80-120	0.624	20	
Calcium	3.90	0.50	mg/L	4.00		97.6	80-120	0.867	20	
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120	0.00681	20	
Cobalt	0.486	0.010	mg/L	0.500		97.2	80-120	0.574	20	
Copper	0.950	0.010	mg/L	1.00		95.0	80-120	1.82	20	
Iron	3.95	0.050	mg/L	4.00		98.8	80-120	1.30	20	
Lead	0.495	0.010	mg/L	0.500		98.9	80-120	0.829	20	
Magnesium	3.86	0.050	mg/L	4.00		96.4	80-120	0.995	20	
Manganese	0.484	0.010	mg/L	0.500		96.9	80-120	0.932	20	
Nickel	0.490	0.010	mg/L	0.500		98.1	80-120	4.10	30	
Potassium	3.88	2.0	mg/L	4.00		97.1	80-120	1.02	20	
Selenium	0.468	0.050	mg/L	0.500		93.5	80-120	1.28	20	
Silver	0.492	0.010	mg/L	0.500		98.3	80-120	0.0442	20	
Sodium	3.99	2.0	mg/L	4.00		99.7	80-120	1.27	20	
Thallium	0.475	0.050	mg/L	0.500		95.1	80-120	2.65	20	
Vanadium	0.477	0.010	mg/L	0.500		95.4	80-120	0.0768	20	
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120	0.0388	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311472 - SW-846 7470A/7471A										
Blank (B311472-BLK1)				Prepared: 06/23/22 Analyzed: 06/24/22						
Mercury	ND	0.00010	mg/L							
LCS (B311472-BS1)				Prepared: 06/23/22 Analyzed: 06/24/22						
Mercury	0.00399	0.00010	mg/L	0.00402		99.2	80-120			
LCS Dup (B311472-BSD1)				Prepared: 06/23/22 Analyzed: 06/24/22						
Mercury	0.00398	0.00010	mg/L	0.00402		99.1	80-120	0.0311	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310632 - SM4500 CN C										
Blank (B310632-BLK1)				Prepared: 06/14/22 Analyzed: 06/15/22						
Cyanide	ND	0.010	mg/L							
LCS (B310632-BS1)				Prepared: 06/14/22 Analyzed: 06/15/22						
Cyanide	0.67	0.010	mg/L	0.780		85.7	75.5-121			
LCS Dup (B310632-BSD1)				Prepared: 06/14/22 Analyzed: 06/15/22						
Cyanide	0.71	0.010	mg/L	0.780		91.4	75.5-121	6.44	10.2	
Batch B310967 - SM21-23 4500 CN E										
Blank (B310967-BLK1)				Prepared & Analyzed: 06/17/22						
Cyanide	ND	0.010	mg/L							
LCS (B310967-BS1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.4	75.5-121			E
LCS Dup (B310967-BSD1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.7	75.5-121	0.262	10.2	E

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-05	Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
E	Reported result is estimated. Value reported over verified calibration range.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Soil	
Silver	CT,NH,NY,ME,VA,NC
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Analytical®

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Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: ENVIRONMENTAL ASS. & REM. / NYSDEC
Address: 225 ATLANTIC AVE.
Phone: (631)-444-0400 X155
Project Name: CROWN DYKMAN
Project Location: GLEN COVE, NY
Project Number: NYSDEC SITE # 130054
Project Manager: TRISHA VICALE
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC EQUIS EDD
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

| Pace Analytical Work Order# | | Client Sample ID / Description | ~~Beginning~~ Date/Time | ~~Ending~~ Date/Time | Composite | Grab | Matrix Code | Conc Code | # of Containers | Preservation Code | Container Code | VOCs 8260D | SVOCs 8270D | TAL Metals 6010D | Cyanide 9014 | Dissolved TAL Metals 6010D | | |

FedEx® Tracking

584490588199

ADD NICKNAME

Delivered
Friday, 6/10/2022 at 9:55 am

DELIVERED

Signed for by: R.BETRISI

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
MELVILLE, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

Friday, June 10, 2022		
9:55 AM	EAST LONGMEADOW, MA	Delivered
8:39 AM	WINDSOR LOCKS, CT	At local FedEx facility
8:39 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:43 AM	WINDSOR LOCKS, CT	At local FedEx facility
2:47 AM	NEWARK, NJ	Departed FedEx hub
Thursday, June 9, 2022		
9:50 PM	NEWARK, NJ	Departed FedEx hub
9:45 PM	NEWARK, NJ	Arrived at FedEx hub

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Environmental Ass. Rep

Received By LA Date 6/10/22 Time 955

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.5
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? N/A
Proper Media/Containers Used? T
Were trip blanks received? F
Do all samples have the proper pH? T N/A

Who was notified? _____
Who was notified? _____
Who was notified? _____

MS/MSD? F
Is splitting samples required? F
On COC? F

Acid _____ Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	10	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	10	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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July 14, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glencove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22F0782

Enclosed are results of analyses for samples as received by the laboratory on June 11, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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B310724 61

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NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 7/14/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F0782

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glencove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-21D-06082022	22F0782-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-22RD-06082022	22F0782-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-22RS-06082022	22F0782-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-7RS-06082022	22F0782-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-7RD-06082022	22F0782-05	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SM21-23 4500 CN E

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Cyanide
B310967-BS1, B310967-BSD1

SW-846 6010D

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum
22F0782-05[MW-7RD-06082022], B311120-MS1, B311120-MSD1

Calcium
22F0782-05[MW-7RD-06082022], B311120-MSD1

Iron
22F0782-05[MW-7RD-06082022], B311120-MS1

R-04

Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

Aluminum
22F0782-05[MW-7RD-06082022], B310776-DUP1

Iron
22F0782-05[MW-7RD-06082022], B310776-DUP1

SW-846 8260D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane
B310636-BSD1, B310724-BSD1

Chloromethane
B310724-BS1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B310724-MS1, B310724-MSD1

Chloromethane
B310724-MS1, B310724-MSD1

Naphthalene
B310724-MS1, B310724-MSD1

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MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

cis-1,2-Dichloroethylene

B310724-MS1, B310724-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane

B310724-MS1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Trichloroethylene

B310724-MS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

1,2,4-Trichlorobenzene

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, S072749-CCV1

1,2-Dibromo-3-chloropropane (DB

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, S072749-CCV1

Chloromethane

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

Hexachlorobutadiene

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, S072749-CCV1

Methyl Acetate

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, S072749-CCV1

Naphthalene

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B310636-BS1, B310636-BSD1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

Chloromethane

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310636-BLK1, B310636-BS1, B310636-BSD1, B310724-BLK1, B310724-BS1, B310724-BSD1, S072749-CCV1, S072823-CCV1

SW-846 8270E

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22F0782-02RE1[MW-22RD-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05RE1[MW-7RD-06082022]

H-16

Initial analysis within holding time. Reanalysis to confirm matrix effect was past holding time.

Analyte & Samples(s) Qualified:

22F0782-01RE1[MW-21D-06082022]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2-Chloronaphthalene

22F0782-01RE1[MW-21D-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05RE1[MW-7RD-06082022]

Hexachlorocyclopentadiene

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310736-BLK1, B310736-BS1, B310736-BSD1

Hexachloroethane

22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], B310736-BLK1, B310736-BS1, B310736-BSD1

N-Nitrosodimethylamine

B311538-BS1, B311538-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,3-Dichlorobenzene

B310736-BSD1, B311538-BS1

Hexachloroethane

B311538-BS1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
B311538-MS1, B311538-MSD1

1,3-Dichlorobenzene
B311538-MS1, B311538-MSD1

1,4-Dichlorobenzene
B311538-MS1, B311538-MSD1

2,4-Dimethylphenol
B311538-MS1, B311538-MSD1

2-Methylphenol
B311538-MS1, B311538-MSD1

3,3-Dichlorobenzidine
B311538-MS1, B311538-MSD1

3/4-Methylphenol
B311538-MS1, B311538-MSD1

4-Chloroaniline
B311538-MSD1

Aniline
B311538-MS1, B311538-MSD1

Benzidine
22F0782-05[MW-7RD-06082022], B310736-MS2, B310736-MSD2, B311538-MS1, B311538-MSD1

Hexachloroethane
B311538-MS1, B311538-MSD1

N-Nitrosodimethylamine
B311538-MS1, B311538-MSD1

Phenol
B311538-MS1, B311538-MSD1

Pyridine
22F0782-05[MW-7RD-06082022], B310736-MS2, B310736-MSD2, B311538-MS1, B311538-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B311538-MS1

1,3-Dichlorobenzene
B310736-MS2

Aniline
B310736-MS2

Hexachlorobutadiene
B311538-MS1

Hexachloroethane
B310736-MS2

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
22F0782-01[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022]

Benzidine
B310736-BLK1, B310736-BS1, B310736-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

4-Chloroaniline
22F0782-05RE1[MW-7RD-06082022], B311538-MSD1

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S-09

Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits in initial analysis. Initial data is reported since confirmation analysis also had unacceptable surrogate, confirming matrix interference.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
22F0782-01RE1[MW-21D-06082022]

2-Fluorophenol
22F0782-01RE1[MW-21D-06082022]

Phenol-d6
22F0782-01RE1[MW-21D-06082022]

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

2-Fluorophenol
22F0782-01[MW-21D-06082022]

Phenol-d6
22F0782-01[MW-21D-06082022]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B310736-MS2, B310736-MSD2, B311538-BLK1, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S073112-CCV1, S073250-CCV1, S073394-CCV1

4,6-Dinitro-2-methylphenol
22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B310736-MS2, B310736-MSD2, B311538-BLK1, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S073112-CCV1, S073250-CCV1, S073394-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Aniline
S073394-CCV1

Benzidine
S072871-CCV1, S073394-CCV1

Bis(2-chloroisopropyl)ether
S073394-CCV1

Hexachlorocyclopentadiene
S072871-CCV1

N-Nitrosodimethylamine
S073394-CCV1

N-Nitrosodi-n-propylamine
S073394-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B310736-MS2, B310736-MSD2, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S073071-CCV1, S073112-CCV1, S073250-CCV1, S073394-CCV1

2-Nitrophenol
S073071-CCV1

4,6-Dinitro-2-methylphenol
B310736-MS2, B310736-MSD2, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S073071-CCV1, S073112-CCV1, S073250-CCV1, S073394-CCV1

Benzidine
B310736-BLK1, B310736-BS1, B310736-BSD1, S072871-CCV1, S073071-CCV1

Hexachlorocyclopentadiene
B310736-BLK1, B310736-BS1, B310736-BSD1, S072871-CCV1, S073071-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B311538-BLK1

4,6-Dinitro-2-methylphenol

22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B311538-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B310736-BLK1, B310736-BS1, B310736-BSD1, B310736-MS2, B310736-MSD2, B311538-BLK1, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S072871-CCV1, S073112-CCV1, S073250-CCV1, S073394-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

B310736-BLK1, B310736-BS1, B310736-BSD1, S072871-CCV1

Benzidine

22F0782-01[MW-21D-06082022], 22F0782-01RE1[MW-21D-06082022], 22F0782-02[MW-22RD-06082022], 22F0782-02RE1[MW-22RD-06082022], 22F0782-03[MW-22RS-06082022], 22F0782-03RE1[MW-22RS-06082022], 22F0782-04[MW-7RS-06082022], 22F0782-04RE1[MW-7RS-06082022], 22F0782-05[MW-7RD-06082022], 22F0782-05RE1[MW-7RD-06082022], B310736-BLK1, B310736-BS1, B310736-BSD1, B310736-MS2, B310736-MSD2, B311538-BLK1, B311538-BS1, B311538-BSD1, B311538-MS1, B311538-MSD1, S072871-CCV1, S073112-CCV1, S073250-CCV1, S073394-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	25	500	20	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Bromomethane	ND	50	15	µg/L	10	V-34	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
2-Butanone (MEK)	17	200	16	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Chloromethane	ND	20	5.2	µg/L	10	V-05, V-34	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
cis-1,2-Dichloroethylene	1200	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
trans-1,2-Dichloroethylene	13	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Methyl Acetate	ND	10	4.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Naphthalene	ND	20	2.4	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10	L-04, V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
Vinyl Chloride	47	20	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.4	70-130		6/14/22 19:06
Toluene-d8	98.3	70-130		6/14/22 19:06
4-Bromofluorobenzene	97.3	70-130		6/14/22 19:06

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Sample Flags: H-16

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Acenaphthene	ND	5.3	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Acenaphthylene	ND	5.3	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Acetophenone	ND	11	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Aniline	ND	5.3	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Anthracene	ND	5.3	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzidine	ND	20	10	µg/L	1	V-35	SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzidine	ND	21	11	µg/L	1	V-35	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzo(a)anthracene	ND	5.3	0.43	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzo(a)pyrene	ND	5.3	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzo(b)fluoranthene	ND	5.3	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzo(g,h,i)perylene	ND	5.3	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Benzo(k)fluoranthene	ND	5.3	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzoic Acid	ND	11	8.9	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Bis(2-chloroethoxy)methane	ND	11	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Bis(2-chloroethyl)ether	ND	11	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Bis(2-chloroisopropyl)ether	ND	11	0.72	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Bis(2-Ethylhexyl)phthalate	ND	11	0.88	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Bromophenylphenylether	ND	11	0.49	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Butylbenzylphthalate	ND	11	0.71	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Carbazole	ND	11	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Chloroaniline	ND	11	0.61	µg/L	1	V-34	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Chloro-3-methylphenol	ND	11	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1	L-04	SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Chloronaphthalene	ND	11	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Chlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Chlorophenylphenylether	ND	11	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Chrysene	ND	5.3	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Dibenz(a,h)anthracene	ND	5.3	0.72	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Dibenzofuran	ND	5.3	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Di-n-butylphthalate	ND	11	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,2-Dichlorobenzene	ND	5.3	0.70	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,3-Dichlorobenzene	ND	5.3	0.71	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,4-Dichlorobenzene	ND	5.3	0.70	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
3,3-Dichlorobenzidine	ND	11	0.75	µg/L	1	R-05	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4-Dichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Diethylphthalate	ND	11	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4-Dimethylphenol	ND	11	0.74	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Dimethylphthalate	ND	11	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4,6-Dinitro-2-methylphenol	ND	11	7.4	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4-Dinitrophenol	ND	11	8.5	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4-Dinitrotoluene	ND	11	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,6-Dinitrotoluene	ND	11	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Di-n-octylphthalate	ND	11	4.1	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	11	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Fluoranthene	ND	5.3	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Fluorene	ND	5.3	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Hexachlorobenzene	ND	11	0.53	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Hexachlorobutadiene	ND	11	0.82	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Hexachlorocyclopentadiene	ND	11	3.9	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Hexachloroethane	ND	11	0.78	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Indeno(1,2,3-cd)pyrene	ND	5.3	0.78	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Isophorone	ND	11	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1-Methylnaphthalene	ND	5.3	0.63	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Methylnaphthalene	ND	5.3	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Methylphenol	ND	11	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
3/4-Methylphenol	ND	11	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Naphthalene	ND	5.3	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Nitroaniline	ND	11	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
3-Nitroaniline	ND	11	0.62	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Nitroaniline	ND	11	0.63	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Nitrobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2-Nitrophenol	ND	11	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
4-Nitrophenol	ND	11	2.2	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
N-Nitrosodimethylamine	ND	11	0.83	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
N-Nitrosodi-n-propylamine	ND	11	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Pentachloronitrobenzene	ND	11	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	11	3.7	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Phenanthrene	ND	5.3	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Phenol	2.3	11	0.24	µg/L	1	J	SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Pyrene	ND	5.3	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
Pyridine	ND	5.3	2.6	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,2,4,5-Tetrachlorobenzene	ND	11	0.69	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
1,2,4-Trichlorobenzene	ND	5.3	0.70	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4,5-Trichlorophenol	ND	11	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 14:39	CLA
2,4,6-Trichlorophenol	ND	11	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:13	IMR

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**2.37**	*	15-110	S-09	6/27/22 14:39
2-Fluorophenol	**3.89**	*	15-110	S-19	6/22/22 17:13
Phenol-d6	**0.610**	*	15-110	S-09	6/27/22 14:39
Phenol-d6	**2.04**	*	15-110	S-19	6/22/22 17:13
Nitrobenzene-d5	70.2		30-130		6/27/22 14:39
Nitrobenzene-d5	82.0		30-130		6/22/22 17:13
2-Fluorobiphenyl	54.3		30-130		6/27/22 14:39
2-Fluorobiphenyl	66.1		30-130		6/22/22 17:13
2,4,6-Tribromophenol	**12.6**	*	15-110	S-09	6/27/22 14:39
2,4,6-Tribromophenol	30.3		15-110		6/22/22 17:13
p-Terphenyl-d14	74.5		30-130		6/27/22 14:39
p-Terphenyl-d14	79.6		30-130		6/22/22 17:13

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	13	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:01	MJH
Arsenic	0.050	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Barium	1.9	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Beryllium	0.0015	0.0040	0.0010	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Cadmium	0.0027	0.0040	0.00080	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Calcium	48	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Chromium	0.10	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Cobalt	0.028	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Copper	0.097	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Iron	140	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Lead	0.054	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Magnesium	16	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Manganese	200	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Mercury	0.000044	0.00010	0.000040	mg/L	1	J	SW-846 7470A	6/24/22	6/24/22 14:51	TDK
Nickel	0.046	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Potassium	5.2	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Selenium	0.093	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:01	MJH
Silver	0.11	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:01	MJH
Sodium	85	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:01	MJH
Vanadium	0.12	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:01	MJH
Zinc	2.4	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:06	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:06	ATP
Antimony	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:06	ATP
Barium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Calcium	37	0.50	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Chromium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Copper	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Iron	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Lead	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:06	ATP
Magnesium	11	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Manganese	9.1	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/24/22	6/24/22 16:52	TDK
Nickel	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Potassium	2.8	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:06	ATP
Silver	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/17/22 17:30	MJH
Sodium	88	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Thallium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:06	ATP
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP
Zinc	0.065	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:08	ATP

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-21D-06082022 | Sampled: 6/8/2022 09:20

Sample ID: 22F0782-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.12	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Bromomethane	ND	50	15	µg/L	10	V-34	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Chloromethane	ND	20	5.2	µg/L	10	V-05, V-34	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
cis-1,2-Dichloroethylene	1300	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
trans-1,2-Dichloroethylene	8.4	10	1.7	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Methyl Acetate	ND	10	4.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Naphthalene	ND	20	2.4	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10	L-04, V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
Vinyl Chloride	92	20	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		6/14/22 19:32
Toluene-d8	98.2	70-130		6/14/22 19:32
4-Bromofluorobenzene	96.4	70-130		6/14/22 19:32

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Acetophenone	ND	9.7	0.52	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Aniline	ND	4.8	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzidine	ND	19	10	µg/L	1	V-35	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzidine	ND	19	10	µg/L	1	V-35	SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1	L-04	SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1	R-05	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Hexachloroethane	ND	9.6	0.71	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Nitrobenzene	ND	9.7	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Phenol	5.2	9.6	0.22	µg/L	1	J	SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:04	CLA
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	6/15/22	6/22/22 17:40	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	28.2	15-110		6/27/22 15:04
2-Fluorophenol	27.9	15-110		6/22/22 17:40
Phenol-d6	21.3	15-110		6/27/22 15:04
Phenol-d6	23.0	15-110		6/22/22 17:40
Nitrobenzene-d5	65.7	30-130		6/27/22 15:04
Nitrobenzene-d5	79.6	30-130		6/22/22 17:40
2-Fluorobiphenyl	52.1	30-130		6/27/22 15:04
2-Fluorobiphenyl	64.0	30-130		6/22/22 17:40
2,4,6-Tribromophenol	57.2	15-110		6/27/22 15:04
2,4,6-Tribromophenol	48.6	15-110		6/22/22 17:40
p-Terphenyl-d14	72.0	30-130		6/27/22 15:04
p-Terphenyl-d14	76.7	30-130		6/22/22 17:40

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.64	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:07	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Barium	0.16	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Calcium	38	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Cobalt	0.0027	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Copper	0.0049	0.010	0.0036	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Iron	33	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Manganese	2.0	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/24/22	6/24/22 14:53	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Potassium	2.6	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Selenium	0.018	0.050	0.011	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:07	MJH
Silver	0.0038	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:07	MJH
Sodium	67	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:07	MJH
Vanadium	0.0032	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:07	MJH
Zinc	0.013	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:13	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RD-06082022 | Sampled: 6/8/2022 10:40

Sample ID: 22F0782-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0047	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Bromomethane	ND	50	15	µg/L	10	V-34	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Chloromethane	ND	20	5.2	µg/L	10	V-05, V-34	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
cis-1,2-Dichloroethylene	1000	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
trans-1,2-Dichloroethylene	18	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Methyl Acetate	ND	10	4.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Naphthalene	ND	20	2.4	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10	L-04, V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
Vinyl Chloride	400	20	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 19:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.3	70-130		6/14/22 19:58
Toluene-d8	99.3	70-130		6/14/22 19:58
4-Bromofluorobenzene	100	70-130		6/14/22 19:58

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Acetophenone	ND	9.7	0.52	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzidine	ND	20	10	µg/L	1	V-35	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzidine	ND	19	10	µg/L	1	V-35	SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	6/24/22	6/27/22 17:44	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1	L-04	SW-846 8270E	6/24/22	6/27/22 17:44	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1	R-05	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Nitrobenzene	ND	9.7	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Phenol	9.8	9.8	0.22	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 17:44	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:07	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.0	15-110		6/22/22 18:07
2-Fluorophenol	22.9	15-110		6/27/22 17:44
Phenol-d6	33.1	15-110		6/22/22 18:07
Phenol-d6	17.9	15-110		6/27/22 17:44
Nitrobenzene-d5	51.8	30-130		6/27/22 17:44
Nitrobenzene-d5	106	30-130		6/22/22 18:07
2-Fluorobiphenyl	47.1	30-130		6/27/22 17:44
2-Fluorobiphenyl	85.9	30-130		6/22/22 18:07
2,4,6-Tribromophenol	57.2	15-110		6/27/22 17:44
2,4,6-Tribromophenol	62.9	15-110		6/22/22 18:07
p-Terphenyl-d14	101	30-130		6/22/22 18:07
p-Terphenyl-d14	69.4	30-130		6/27/22 17:44

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.9	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Arsenic	0.013	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Barium	0.16	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Calcium	31	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Chromium	0.010	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Cobalt	0.0038	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Copper	0.026	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Iron	25	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Lead	0.025	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Magnesium	9.3	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Manganese	2.9	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/24/22	6/24/22 14:54	TDK
Nickel	0.014	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Potassium	3.4	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Silver	0.011	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:13	MJH
Sodium	140	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Vanadium	0.056	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH
Zinc	0.11	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:31	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:12	ATP
Antimony	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:12	ATP
Barium	0.10	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Calcium	30	0.50	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Chromium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Copper	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Iron	7.9	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Lead	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:12	ATP
Magnesium	8.2	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Manganese	2.7	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/24/22	6/24/22 16:54	TDK
Nickel	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Potassium	3.0	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:12	ATP
Silver	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/17/22 17:36	MJH
Sodium	130	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Thallium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:12	ATP
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP
Zinc	0.012	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:14	ATP

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-22RS-06082022 | Sampled: 6/8/2022 10:00

Sample ID: 22F0782-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0041	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Bromomethane	ND	50	15	µg/L	10	V-34	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
tert-Butylbenzene	3.4	10	1.3	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Chloromethane	ND	20	5.2	µg/L	10	V-05, V-34	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1-Dichloroethylene	5.5	10	1.4	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
cis-1,2-Dichloroethylene	790	10	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Methyl Acetate	ND	10	4.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Methyl tert-Butyl Ether (MTBE)	3.4	10	1.7	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Naphthalene	ND	20	2.4	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Tetrachloroethylene	74	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Tetrahydrofuran	19	100	4.9	µg/L	10	J	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10	L-04, V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10	V-05	SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Trichloroethylene	91	10	1.9	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
Vinyl Chloride	28	20	2.1	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	6/14/22	6/14/22 20:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.9	70-130		6/14/22 20:25
Toluene-d8	100	70-130		6/14/22 20:25
4-Bromofluorobenzene	102	70-130		6/14/22 20:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzidine	ND	20	10	µg/L	1	V-35	SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzidine	ND	20	10	µg/L	1	V-35	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	6/24/22	6/27/22 15:57	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1	L-04	SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1	R-05	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Phenol	11	9.8	0.22	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 15:57	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 18:37	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	24.8	15-110		6/27/22 15:57
2-Fluorophenol	40.6	15-110		6/22/22 18:37
Phenol-d6	18.4	15-110		6/27/22 15:57
Phenol-d6	28.6	15-110		6/22/22 18:37
Nitrobenzene-d5	54.6	30-130		6/27/22 15:57
Nitrobenzene-d5	80.7	30-130		6/22/22 18:37
2-Fluorobiphenyl	44.2	30-130		6/27/22 15:57
2-Fluorobiphenyl	67.3	30-130		6/22/22 18:37
2,4,6-Tribromophenol	49.7	15-110		6/27/22 15:57
2,4,6-Tribromophenol	77.3	15-110		6/22/22 18:37
p-Terphenyl-d14	62.1	30-130		6/27/22 15:57
p-Terphenyl-d14	83.6	30-130		6/22/22 18:37

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.061	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Barium	0.029	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Calcium	54	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Cobalt	0.0057	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Iron	0.20	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Magnesium	17	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Manganese	5.2	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/24/22	6/24/22 14:56	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Potassium	3.4	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Silver	0.0058	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:19	MJH
Sodium	63	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Vanadium	0.0040	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:38	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:38	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RS-06082022 | Sampled: 6/8/2022 11:35

Sample ID: 22F0782-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0054	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Bromomethane	ND	20	6.2	µg/L	4	V-34	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Chloromethane	ND	8.0	2.1	µg/L	4	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
cis-1,2-Dichloroethylene	210	4.0	0.59	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
trans-1,2-Dichloroethylene	ND	4.0	0.67	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Methyl tert-Butyl Ether (MTBE)	1.2	4.0	0.69	µg/L	4	J	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Naphthalene	ND	8.0	0.97	µg/L	4	V-05	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Tetrachloroethylene	23	4.0	0.75	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Tetrahydrofuran	ND	40	2.0	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Trichloroethylene	12	4.0	0.76	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
Vinyl Chloride	2.2	8.0	0.83	µg/L	4	J	SW-846 8260D	6/15/22	6/15/22 18:08	MFF
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	6/15/22	6/15/22 18:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.2	70-130		6/15/22 18:08
Toluene-d8	103	70-130		6/15/22 18:08
4-Bromofluorobenzene	97.9	70-130		6/15/22 18:08

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzidine	ND	20	10	µg/L	1	V-35	SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzidine	ND	20	10	µg/L	1	MS-09, V-35	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	R-06, V-34	SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1	L-04	SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1	R-05	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Phenol	2.1	9.8	0.22	µg/L	1	J	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
Pyridine	ND	4.9	2.4	µg/L	1	MS-09	SW-846 8270E	6/15/22	6/22/22 19:07	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/24/22	6/27/22 16:25	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/15/22	6/22/22 19:07	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	21.9	15-110		6/27/22 16:25
2-Fluorophenol	37.3	15-110		6/22/22 19:07
Phenol-d6	26.5	15-110		6/22/22 19:07
Phenol-d6	16.7	15-110		6/27/22 16:25
Nitrobenzene-d5	63.7	30-130		6/27/22 16:25
Nitrobenzene-d5	80.6	30-130		6/22/22 19:07
2-Fluorobiphenyl	49.4	30-130		6/27/22 16:25
2-Fluorobiphenyl	64.8	30-130		6/22/22 19:07
2,4,6-Tribromophenol	48.9	15-110		6/27/22 16:25
2,4,6-Tribromophenol	69.4	15-110		6/22/22 19:07
p-Terphenyl-d14	84.5	30-130		6/22/22 19:07
p-Terphenyl-d14	69.3	30-130		6/27/22 16:25

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6.2	0.050	0.015	mg/L	1	MS-19	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Arsenic	0.0083	0.010	0.0047	mg/L	1	J	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Barium	0.10	0.050	0.0056	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Cadmium	0.00087	0.0040	0.00080	mg/L	1	J	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Calcium	73	0.50	0.11	mg/L	1	MS-19	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Chromium	0.021	0.010	0.0025	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Cobalt	0.011	0.010	0.0014	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Copper	0.016	0.010	0.0036	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Iron	19	0.050	0.019	mg/L	1	MS-19	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Lead	0.0055	0.010	0.0030	mg/L	1	J	SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Manganese	6.3	0.010	0.0017	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/24/22	6/24/22 14:58	TDK
Nickel	0.018	0.010	0.0088	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Potassium	7.9	2.0	0.30	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Sodium	42	2.0	0.53	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Vanadium	0.027	0.010	0.0031	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH
Zinc	0.063	0.010	0.0042	mg/L	1		SW-846 6010D	6/20/22	6/21/22 15:49	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1	R-04	SW-846 6010D	6/15/22	6/16/22 23:01	ATP
Antimony	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:01	ATP
Barium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Calcium	68	0.50	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Chromium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Copper	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Iron	ND	0.050	mg/L	1	R-04	SW-846 6010D	6/15/22	6/17/22 17:25	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:01	ATP
Magnesium	12	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Manganese	7.0	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/24/22	6/24/22 16:56	TDK
Nickel	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Potassium	6.3	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:01	ATP
Silver	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/17/22 17:25	MJH
Sodium	33	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Thallium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:01	ATP
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP
Zinc	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 21:44	ATP

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0782

Date Received: 6/11/2022

Field Sample #: MW-7RD-06082022 | Sampled: 6/8/2022 12:30

Sample ID: 22F0782-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0060	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Sample Extraction Data

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B310967	50.0	50.0	06/17/22
22F0782-02 [MW-22RD-06082022]	B310967	50.0	50.0	06/17/22
22F0782-03 [MW-22RS-06082022]	B310967	50.0	50.0	06/17/22
22F0782-04 [MW-7RS-06082022]	B310967	50.0	50.0	06/17/22
22F0782-05 [MW-7RD-06082022]	B310967	50.0	50.0	06/17/22

Prep Method: SW-846 3005A Dissolved **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B310776	50.0	50.0	06/15/22
22F0782-03 [MW-22RS-06082022]	B310776	50.0	50.0	06/15/22
22F0782-05 [MW-7RD-06082022]	B310776	50.0	50.0	06/15/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B311019	50.0	50.0	06/17/22
22F0782-02 [MW-22RD-06082022]	B311019	50.0	50.0	06/17/22
22F0782-03 [MW-22RS-06082022]	B311019	50.0	50.0	06/17/22
22F0782-04 [MW-7RS-06082022]	B311019	50.0	50.0	06/17/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-05 [MW-7RD-06082022]	B311120	50.0	50.0	06/20/22

Prep Method: SW-846 7470A/7471A **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B311554	10.0	10.0	06/24/22
22F0782-02 [MW-22RD-06082022]	B311554	10.0	10.0	06/24/22
22F0782-03 [MW-22RS-06082022]	B311554	10.0	10.0	06/24/22
22F0782-04 [MW-7RS-06082022]	B311554	10.0	10.0	06/24/22
22F0782-05 [MW-7RD-06082022]	B311554	10.0	10.0	06/24/22

Prep Method: SW-846 7470A Dissolved **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B311581	10.0	10.0	06/24/22
22F0782-03 [MW-22RS-06082022]	B311581	10.0	10.0	06/24/22
22F0782-05 [MW-7RD-06082022]	B311581	10.0	10.0	06/24/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B310636	0.5	5.00	06/14/22
22F0782-02 [MW-22RD-06082022]	B310636	0.5	5.00	06/14/22

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-03 [MW-22RS-06082022]	B310636	0.5	5.00	06/14/22
22F0782-04 [MW-7RS-06082022]	B310636	0.5	5.00	06/14/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-05 [MW-7RD-06082022]	B310724	1.25	5.00	06/15/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01 [MW-21D-06082022]	B310736	950	1.00	06/15/22
22F0782-02 [MW-22RD-06082022]	B310736	1040	1.00	06/15/22
22F0782-03 [MW-22RS-06082022]	B310736	1020	1.00	06/15/22
22F0782-04 [MW-7RS-06082022]	B310736	1020	1.00	06/15/22
22F0782-05 [MW-7RD-06082022]	B310736	1020	1.00	06/15/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0782-01RE1 [MW-21D-06082022]	B311538	1020	1.00	06/24/22
22F0782-02RE1 [MW-22RD-06082022]	B311538	1030	1.00	06/24/22
22F0782-03RE1 [MW-22RS-06082022]	B311538	1030	1.00	06/24/22
22F0782-04RE1 [MW-7RS-06082022]	B311538	1010	1.00	06/24/22
22F0782-05RE1 [MW-7RD-06082022]	B311538	1020	1.00	06/24/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310636 - SW-846 5030B										
Blank (B310636-BLK1)				Prepared & Analyzed: 06/14/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							V-05
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310636 - SW-846 5030B											
Blank (B310636-BLK1)				Prepared & Analyzed: 06/14/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							L-04, V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.4	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8	70-130				
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130				
LCS (B310636-BS1)				Prepared & Analyzed: 06/14/22							
Acetone	86.2	50	µg/L	100		86.2	70-160				†
Acrylonitrile	10.5	5.0	µg/L	10.0		105	70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107	70-130				
Benzene	9.87	1.0	µg/L	10.0		98.7	70-130				
Bromobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130				
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130				
Bromoform	9.55	1.0	µg/L	10.0		95.5	70-130				
Bromomethane	15.1	2.0	µg/L	10.0		151	40-160			V-20, V-34	†
2-Butanone (MEK)	86.4	20	µg/L	100		86.4	40-160				†
tert-Butyl Alcohol (TBA)	85.9	20	µg/L	100		85.9	40-160				†
n-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130				
sec-Butylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130				
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.3	0.50	µg/L	10.0		103	70-130				
Carbon Disulfide	105	5.0	µg/L	100		105	70-130				
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130				
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130				
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130				
Chloroform	10.7	2.0	µg/L	10.0		107	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310636 - SW-846 5030B												
LCS (B310636-BS1)				Prepared & Analyzed: 06/14/22								
Chloromethane	4.16	2.0	µg/L	10.0		41.6		40-160			V-05, V-34	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.10	5.0	µg/L	10.0		81.0		70-130			V-05	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110		70-130				
Dibromomethane	10.7	1.0	µg/L	10.0		107		70-130				
1,2-Dichlorobenzene	9.55	1.0	µg/L	10.0		95.5		70-130				
1,3-Dichlorobenzene	9.78	1.0	µg/L	10.0		97.8		70-130				
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6		70-130				
trans-1,4-Dichloro-2-butene	7.89	2.0	µg/L	10.0		78.9		70-130				
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0		103		40-160				†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110		70-130				
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130				
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105		70-130				
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130				
2,2-Dichloropropane	9.94	1.0	µg/L	10.0		99.4		40-130				†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106		70-130				
cis-1,3-Dichloropropene	9.76	0.50	µg/L	10.0		97.6		70-130				
trans-1,3-Dichloropropene	9.62	0.50	µg/L	10.0		96.2		70-130				
Diethyl Ether	9.49	2.0	µg/L	10.0		94.9		70-130				
Diisopropyl Ether (DIPE)	10.0	0.50	µg/L	10.0		100		70-130				
1,4-Dioxane	76.7	50	µg/L	100		76.7		40-130				†
Ethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Hexachlorobutadiene	7.93	0.60	µg/L	10.0		79.3		70-130			V-05	
2-Hexanone (MBK)	94.1	10	µg/L	100		94.1		70-160				†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101		70-130				
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.0		107		70-130				
Methyl Acetate	8.29	1.0	µg/L	10.0		82.9		70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105		70-130				
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104		70-130				
Methylene Chloride	10.4	5.0	µg/L	10.0		104		70-130				
4-Methyl-2-pentanone (MIBK)	96.7	10	µg/L	100		96.7		70-160				†
Naphthalene	6.75	2.0	µg/L	10.0		67.5		40-130			V-05	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Styrene	10.2	1.0	µg/L	10.0		102		70-130				
1,1,1,2-Tetrachloroethane	10.9	1.0	µg/L	10.0		109		70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106		70-130				
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101		70-130				
Tetrahydrofuran	9.82	10	µg/L	10.0		98.2		70-130			J	
Toluene	9.83	1.0	µg/L	10.0		98.3		70-130				
1,2,3-Trichlorobenzene	6.76	5.0	µg/L	10.0		**67.6**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	7.94	1.0	µg/L	10.0		79.4		70-130			V-05	
1,3,5-Trichlorobenzene	8.47	1.0	µg/L	10.0		84.7		70-130				
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107		70-130				
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111		70-130				
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0		92.3		70-130				
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310636 - SW-846 5030B												
LCS (B310636-BS1)				Prepared & Analyzed: 06/14/22								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112		70-130				
1,2,4-Trimethylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130				
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0		100		70-130				
Vinyl Chloride	10.0	2.0	µg/L	10.0		100		40-160				†
m+p Xylene	20.6	2.0	µg/L	20.0		103		70-130				
o-Xylene	10.2	1.0	µg/L	10.0		102		70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		91.9		70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.8		70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1		70-130				
LCS Dup (B310636-BSD1)				Prepared & Analyzed: 06/14/22								
Acetone	84.6	50	µg/L	100		84.6		70-160	1.96	25		†
Acrylonitrile	10.7	5.0	µg/L	10.0		107		70-130	1.88	25		
tert-Amyl Methyl Ether (TAME)	9.86	0.50	µg/L	10.0		98.6		70-130	7.89	25		
Benzene	9.95	1.0	µg/L	10.0		99.5		70-130	0.807	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106		70-130	1.33	25		
Bromochloromethane	11.3	1.0	µg/L	10.0		113		70-130	1.49	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	1.49	25		
Bromoform	9.91	1.0	µg/L	10.0		99.1		70-130	3.70	25		
Bromomethane	16.4	2.0	µg/L	10.0		**164**	*	40-160	8.70	25	L-07, V-20, V-34	†
2-Butanone (MEK)	84.5	20	µg/L	100		84.5		40-160	2.27	25		†
tert-Butyl Alcohol (TBA)	85.1	20	µg/L	100		85.1		40-160	0.936	25		†
n-Butylbenzene	9.42	1.0	µg/L	10.0		94.2		70-130	0.106	25		
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2		70-130	1.52	25		
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130	0.465	25		
tert-Butyl Ethyl Ether (TBEE)	10.0	0.50	µg/L	10.0		100		70-130	2.96	25		
Carbon Disulfide	106	5.0	µg/L	100		106		70-130	0.788	25		
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103		70-130	0.484	25		
Chlorobenzene	10.6	1.0	µg/L	10.0		106		70-130	3.17	25		
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102		70-130	0.492	25		
Chloroethane	10.4	2.0	µg/L	10.0		104		70-130	1.36	25		
Chloroform	10.5	2.0	µg/L	10.0		105		70-130	1.51	25		
Chloromethane	4.09	2.0	µg/L	10.0		40.9		40-160	1.70	25	V-05, V-34	†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101		70-130	0.987	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130	0.881	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.36	5.0	µg/L	10.0		83.6		70-130	3.16	25	V-05	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130	0.457	25		
Dibromomethane	10.4	1.0	µg/L	10.0		104		70-130	2.84	25		
1,2-Dichlorobenzene	9.33	1.0	µg/L	10.0		93.3		70-130	2.33	25		
1,3-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3		70-130	1.55	25		
1,4-Dichlorobenzene	9.65	1.0	µg/L	10.0		96.5		70-130	3.16	25		
trans-1,4-Dichloro-2-butene	8.52	2.0	µg/L	10.0		85.2		70-130	7.68	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102		40-160	0.0975	25		†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130	0.473	25		
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107		70-130	2.49	25		
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	0.0942	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	0.284	25		
trans-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130	1.81	25		
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108		70-130	3.18	25		
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	0.473	25		
2,2-Dichloropropane	9.99	1.0	µg/L	10.0		99.9		40-130	0.502	25		†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107		70-130	0.938	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310636 - SW-846 5030B												
LCS Dup (B310636-BSD1)				Prepared & Analyzed: 06/14/22								
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100		70-130	2.63	25		
trans-1,3-Dichloropropene	9.78	0.50	µg/L	10.0		97.8		70-130	1.65	25		
Diethyl Ether	9.51	2.0	µg/L	10.0		95.1		70-130	0.211	25		
Diisopropyl Ether (DIPE)	9.79	0.50	µg/L	10.0		97.9		70-130	2.62	25		
1,4-Dioxane	83.3	50	µg/L	100		83.3		40-130	8.30	50		† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	2.45	25		
Hexachlorobutadiene	8.16	0.60	µg/L	10.0		81.6		70-130	2.86	25	V-05	
2-Hexanone (MBK)	94.8	10	µg/L	100		94.8		70-160	0.773	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130	2.93	25		
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130	2.57	25		
Methyl Acetate	8.12	1.0	µg/L	10.0		81.2		70-130	2.07	25	V-05	
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102		70-130	2.79	25		
Methyl Cyclohexane	11.3	1.0	µg/L	10.0		113		70-130	8.10	25		
Methylene Chloride	10.1	5.0	µg/L	10.0		101		70-130	2.54	25		
4-Methyl-2-pentanone (MIBK)	98.7	10	µg/L	100		98.7		70-160	1.99	25		†
Naphthalene	6.57	2.0	µg/L	10.0		65.7		40-130	2.70	25	V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102		70-130	1.08	25		
Styrene	10.2	1.0	µg/L	10.0		102		70-130	0.295	25		
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111		70-130	1.46	25		
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103		70-130	3.54	25		
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106		70-130	4.46	25		
Tetrahydrofuran	9.28	10	µg/L	10.0		92.8		70-130	5.65	25	J	
Toluene	10.3	1.0	µg/L	10.0		103		70-130	4.86	25		
1,2,3-Trichlorobenzene	6.34	5.0	µg/L	10.0		**63.4**	*	70-130	6.41	25	L-04, V-05	
1,2,4-Trichlorobenzene	7.79	1.0	µg/L	10.0		77.9		70-130	1.91	25	V-05	
1,3,5-Trichlorobenzene	8.41	1.0	µg/L	10.0		84.1		70-130	0.711	25		
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130	2.68	25		
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108		70-130	2.01	25		
Trichloroethylene	11.8	1.0	µg/L	10.0		118		70-130	4.78	25		
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102		70-130	9.49	25		
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.0		109		70-130	0.735	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116		70-130	4.21	25		
1,2,4-Trimethylbenzene	9.91	1.0	µg/L	10.0		99.1		70-130	0.303	25		
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101		70-130	0.992	25		
Vinyl Chloride	10.2	2.0	µg/L	10.0		102		40-160	1.48	25		†
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130	2.59	25		
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130	1.07	25		
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/L	25.0		90.8		70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100		70-130				
Batch B310724 - SW-846 5030B												
Blank (B310724-BLK1)				Prepared & Analyzed: 06/15/22								
Acetone	ND	50	µg/L									
Acrylonitrile	ND	5.0	µg/L									
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L									
Benzene	ND	1.0	µg/L									
Bromobenzene	ND	1.0	µg/L									
Bromochloromethane	ND	1.0	µg/L									
Bromodichloromethane	ND	0.50	µg/L									
Bromoform	ND	1.0	µg/L									

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310724 - SW-846 5030B										
Blank (B310724-BLK1)				Prepared & Analyzed: 06/15/22						
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
Blank (B310724-BLK1)				Prepared & Analyzed: 06/15/22								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L								L-04, V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4		70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7		70-130				
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22								
Acetone	91.0	50	µg/L	100		91.0		70-160				†
Acrylonitrile	10.6	5.0	µg/L	10.0		106		70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107		70-130				
Benzene	9.91	1.0	µg/L	10.0		99.1		70-130				
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113		70-130				
Bromodichloromethane	10.4	0.50	µg/L	10.0		104		70-130				
Bromoform	9.74	1.0	µg/L	10.0		97.4		70-130				
Bromomethane	15.2	2.0	µg/L	10.0		152		40-160			V-20, V-34	†
2-Butanone (MEK)	89.1	20	µg/L	100		89.1		40-160				†
tert-Butyl Alcohol (TBA)	95.7	20	µg/L	100		95.7		40-160				†
n-Butylbenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
sec-Butylbenzene	9.75	1.0	µg/L	10.0		97.5		70-130				
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.96	0.50	µg/L	10.0		99.6		70-130				
Carbon Disulfide	100	5.0	µg/L	100		100		70-130				
Carbon Tetrachloride	10.0	5.0	µg/L	10.0		100		70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100		70-130				
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100		70-130				
Chloroethane	9.76	2.0	µg/L	10.0		97.6		70-130				
Chloroform	10.6	2.0	µg/L	10.0		106		70-130				
Chloromethane	3.96	2.0	µg/L	10.0		**39.6**	*	40-160			L-07, V-05, V-34	†
2-Chlorotoluene	9.94	1.0	µg/L	10.0		99.4		70-130				
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.84	5.0	µg/L	10.0		88.4		70-130				
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112		70-130				
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dichlorobenzene	9.27	1.0	µg/L	10.0		92.7		70-130				
1,3-Dichlorobenzene	9.61	1.0	µg/L	10.0		96.1		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22								
1,4-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
trans-1,4-Dichloro-2-butene	9.25	2.0	µg/L	10.0		92.5		70-130				
Dichlorodifluoromethane (Freon 12)	9.42	2.0	µg/L	10.0		94.2		40-160				†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130				
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105		70-130				
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130				
2,2-Dichloropropane	10.4	1.0	µg/L	10.0		104		40-130				†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105		70-130				
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1		70-130				
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6		70-130				
Diethyl Ether	9.55	2.0	µg/L	10.0		95.5		70-130				
Diisopropyl Ether (DIPE)	9.61	0.50	µg/L	10.0		96.1		70-130				
1,4-Dioxane	97.4	50	µg/L	100		97.4		40-130				†
Ethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Hexachlorobutadiene	7.99	0.60	µg/L	10.0		79.9		70-130				
2-Hexanone (MBK)	94.8	10	µg/L	100		94.8		70-160				†
Isopropylbenzene (Cumene)	9.91	1.0	µg/L	10.0		99.1		70-130				
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Acetate	8.39	1.0	µg/L	10.0		83.9		70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104		70-130				
Methylene Chloride	10.1	5.0	µg/L	10.0		101		70-130				
4-Methyl-2-pentanone (MIBK)	98.9	10	µg/L	100		98.9		70-160				†
Naphthalene	6.92	2.0	µg/L	10.0		69.2		40-130			V-05	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Styrene	10.1	1.0	µg/L	10.0		101		70-130				
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104		70-130				
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130				
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
Tetrahydrofuran	9.46	10	µg/L	10.0		94.6		70-130			J	
Toluene	10.1	1.0	µg/L	10.0		101		70-130				
1,2,3-Trichlorobenzene	6.66	5.0	µg/L	10.0		**66.6**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	8.16	1.0	µg/L	10.0		81.6		70-130				
1,3,5-Trichlorobenzene	8.80	1.0	µg/L	10.0		88.0		70-130				
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.42	2.0	µg/L	10.0		94.2		70-130				
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112		70-130				
1,2,4-Trimethylbenzene	9.79	1.0	µg/L	10.0		97.9		70-130				
1,3,5-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5		70-130				
Vinyl Chloride	9.66	2.0	µg/L	10.0		96.6		40-160				†
m+p Xylene	20.5	2.0	µg/L	20.0		102		70-130				
o-Xylene	10.0	1.0	µg/L	10.0		100		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.7		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22								
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.3		70-130				
LCS Dup (B310724-BSD1)				Prepared & Analyzed: 06/15/22								
Acetone	88.3	50	µg/L	100		88.3		70-160	3.06	25		†
Acrylonitrile	11.3	5.0	µg/L	10.0		113		70-130	6.22	25		
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109		70-130	1.30	25		
Benzene	10.2	1.0	µg/L	10.0		102		70-130	3.08	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106		70-130	4.42	25		
Bromochloromethane	11.2	1.0	µg/L	10.0		112		70-130	0.533	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	3.87	25		
Bromoform	9.89	1.0	µg/L	10.0		98.9		70-130	1.53	25		
Bromomethane	16.5	2.0	µg/L	10.0		**165**	*	40-160	7.81	25	L-07, V-20, V-34	†
2-Butanone (MEK)	88.2	20	µg/L	100		88.2		40-160	0.993	25		†
tert-Butyl Alcohol (TBA)	94.2	20	µg/L	100		94.2		40-160	1.64	25		†
n-Butylbenzene	9.67	1.0	µg/L	10.0		96.7		70-130	0.415	25		
sec-Butylbenzene	9.78	1.0	µg/L	10.0		97.8		70-130	0.307	25		
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130	1.40	25		
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101		70-130	1.40	25		
Carbon Disulfide	103	5.0	µg/L	100		103		70-130	2.71	25		
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103		70-130	2.66	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	2.17	25		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104		70-130	2.94	25		
Chloroethane	10.4	2.0	µg/L	10.0		104		70-130	5.96	25		
Chloroform	11.0	2.0	µg/L	10.0		110		70-130	3.90	25		
Chloromethane	4.12	2.0	µg/L	10.0		41.2		40-160	3.96	25	V-05, V-34	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130	3.36	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130	3.05	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.46	5.0	µg/L	10.0		84.6		70-130	4.39	25		
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111		70-130	0.986	25		
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130	2.16	25		
1,2-Dichlorobenzene	9.29	1.0	µg/L	10.0		92.9		70-130	0.216	25		
1,3-Dichlorobenzene	9.76	1.0	µg/L	10.0		97.6		70-130	1.55	25		
1,4-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3		70-130	1.03	25		
trans-1,4-Dichloro-2-butene	8.90	2.0	µg/L	10.0		89.0		70-130	3.86	25		
Dichlorodifluoromethane (Freon 12)	9.83	2.0	µg/L	10.0		98.3		40-160	4.26	25		†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	0.758	25		
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108		70-130	1.97	25		
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130	4.23	25		
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130	0.190	25		
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130	2.97	25		
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112		70-130	5.98	25		
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130	3.28	25		
2,2-Dichloropropane	10.6	1.0	µg/L	10.0		106		40-130	1.72	25		†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110		70-130	4.28	25		
cis-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9		70-130	1.82	25		
trans-1,3-Dichloropropene	9.74	0.50	µg/L	10.0		97.4		70-130	1.87	25		
Diethyl Ether	9.79	2.0	µg/L	10.0		97.9		70-130	2.48	25		
Diisopropyl Ether (DIPE)	9.86	0.50	µg/L	10.0		98.6		70-130	2.57	25		
1,4-Dioxane	106	50	µg/L	100		106		40-130	8.68	50		† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	1.28	25		
Hexachlorobutadiene	8.11	0.60	µg/L	10.0		81.1		70-130	1.49	25		
2-Hexanone (MBK)	95.8	10	µg/L	100		95.8		70-160	1.06	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS Dup (B310724-BSD1)				Prepared & Analyzed: 06/15/22								
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105		70-130	5.50	25		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130	0.575	25		
Methyl Acetate	8.61	1.0	µg/L	10.0		86.1		70-130	2.59	25		
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106		70-130	2.38	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108		70-130	3.68	25		
Methylene Chloride	10.3	5.0	µg/L	10.0		103		70-130	1.47	25		
4-Methyl-2-pentanone (MIBK)	98.9	10	µg/L	100		98.9		70-160	0.0202	25		†
Naphthalene	6.71	2.0	µg/L	10.0		67.1		40-130	3.08	25	V-05	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130	2.15	25		
Styrene	10.4	1.0	µg/L	10.0		104		70-130	2.63	25		
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110		70-130	5.22	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130	2.64	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.873	25		
Tetrahydrofuran	9.71	10	µg/L	10.0		97.1		70-130	2.61	25	J	
Toluene	10.3	1.0	µg/L	10.0		103		70-130	1.67	25		
1,2,3-Trichlorobenzene	6.54	5.0	µg/L	10.0		**65.4**	*	70-130	1.82	25	L-04, V-05	
1,2,4-Trichlorobenzene	7.92	1.0	µg/L	10.0		79.2		70-130	2.99	25		
1,3,5-Trichlorobenzene	8.81	1.0	µg/L	10.0		88.1		70-130	0.114	25		
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130	4.18	25		
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111		70-130	4.51	25		
Trichloroethylene	11.3	1.0	µg/L	10.0		113		70-130	1.25	25		
Trichlorofluoromethane (Freon 11)	9.39	2.0	µg/L	10.0		93.9		70-130	0.319	25		
1,2,3-Trichloropropane	11.3	2.0	µg/L	10.0		113		70-130	4.33	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	1.0	µg/L	10.0		118		70-130	5.40	25		
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100		70-130	2.12	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	3.69	25		
Vinyl Chloride	9.92	2.0	µg/L	10.0		99.2		40-160	2.66	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104		70-130	1.50	25		
o-Xylene	10.3	1.0	µg/L	10.0		103		70-130	2.86	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.9		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130				
Matrix Spike (B310724-MS1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/15/22								
Acetone	358	200	µg/L	400	ND	89.6		70-130				
Acrylonitrile	43.2	20	µg/L	40.0	ND	108		70-130				
tert-Amyl Methyl Ether (TAME)	46.2	2.0	µg/L	40.0	ND	116		70-130				
Benzene	44.2	4.0	µg/L	40.0	ND	111		70-130				
Bromobenzene	45.6	4.0	µg/L	40.0	ND	114		70-130				
Bromochloromethane	50.6	4.0	µg/L	40.0	ND	126		70-130				
Bromodichloromethane	48.0	2.0	µg/L	40.0	ND	120		70-130				
Bromoform	40.0	4.0	µg/L	40.0	ND	99.9		70-130				
Bromomethane	52.5	8.0	µg/L	40.0	ND	**131**	*	70-130			MS-22	
2-Butanone (MEK)	366	80	µg/L	400	ND	91.5		70-130				
tert-Butyl Alcohol (TBA)	381	80	µg/L	400	ND	95.3		70-130				
n-Butylbenzene	41.8	4.0	µg/L	40.0	ND	104		70-130				
sec-Butylbenzene	42.0	4.0	µg/L	40.0	ND	105		70-130				
tert-Butylbenzene	46.6	4.0	µg/L	40.0	ND	116		70-130				
tert-Butyl Ethyl Ether (TBEE)	42.4	2.0	µg/L	40.0	ND	106		70-130				
Carbon Disulfide	482	20	µg/L	400	ND	120		70-130				
Carbon Tetrachloride	44.7	20	µg/L	40.0	ND	112		70-130				
Chlorobenzene	44.6	4.0	µg/L	40.0	ND	112		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310724 - SW-846 5030B											
Matrix Spike (B310724-MS1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/15/22							
Chlorodibromomethane	43.3	2.0	µg/L	40.0	ND	108		70-130			
Chloroethane	47.7	8.0	µg/L	40.0	ND	119		70-130			
Chloroform	46.2	8.0	µg/L	40.0	ND	116		70-130			
Chloromethane	17.8	8.0	µg/L	40.0	ND	**44.4**	*	70-130			MS-09
2-Chlorotoluene	44.8	4.0	µg/L	40.0	ND	112		70-130			
4-Chlorotoluene	44.8	4.0	µg/L	40.0	ND	112		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	30.8	20	µg/L	40.0	ND	77.0		70-130			
1,2-Dibromoethane (EDB)	46.6	2.0	µg/L	40.0	ND	116		70-130			
Dibromomethane	48.5	4.0	µg/L	40.0	ND	121		70-130			
1,2-Dichlorobenzene	40.6	4.0	µg/L	40.0	ND	102		70-130			
1,3-Dichlorobenzene	42.2	4.0	µg/L	40.0	ND	106		70-130			
1,4-Dichlorobenzene	42.0	4.0	µg/L	40.0	ND	105		70-130			
trans-1,4-Dichloro-2-butene	33.7	8.0	µg/L	40.0	ND	84.3		70-130			
Dichlorodifluoromethane (Freon 12)	44.9	8.0	µg/L	40.0	ND	112		70-130			
1,1-Dichloroethane	46.4	4.0	µg/L	40.0	ND	116		70-130			
1,2-Dichloroethane	46.6	4.0	µg/L	40.0	ND	116		70-130			
1,1-Dichloroethylene	49.6	4.0	µg/L	40.0	ND	124		70-130			
cis-1,2-Dichloroethylene	244	4.0	µg/L	40.0	209	87.8		70-130			MS-19
trans-1,2-Dichloroethylene	48.7	4.0	µg/L	40.0	ND	122		70-130			
1,2-Dichloropropane	48.2	4.0	µg/L	40.0	ND	121		70-130			
1,3-Dichloropropane	46.8	2.0	µg/L	40.0	ND	117		70-130			
2,2-Dichloropropane	39.6	4.0	µg/L	40.0	ND	99.1		70-130			
1,1-Dichloropropene	47.5	8.0	µg/L	40.0	ND	119		70-130			
cis-1,3-Dichloropropene	42.9	2.0	µg/L	40.0	ND	107		70-130			
trans-1,3-Dichloropropene	39.5	2.0	µg/L	40.0	ND	98.7		70-130			
Diethyl Ether	41.3	8.0	µg/L	40.0	ND	103		70-130			
Diisopropyl Ether (DIPE)	42.9	2.0	µg/L	40.0	ND	107		70-130			
1,4-Dioxane	411	200	µg/L	400	ND	103		70-130			
Ethylbenzene	45.0	4.0	µg/L	40.0	ND	112		70-130			
Hexachlorobutadiene	33.8	2.4	µg/L	40.0	ND	84.5		70-130			
2-Hexanone (MBK)	383	40	µg/L	400	ND	95.9		70-130			
Isopropylbenzene (Cumene)	45.4	4.0	µg/L	40.0	ND	113		70-130			
p-Isopropyltoluene (p-Cymene)	45.3	4.0	µg/L	40.0	ND	113		70-130			
Methyl Acetate	32.0	4.0	µg/L	40.0	ND	80.1		70-130			
Methyl tert-Butyl Ether (MTBE)	45.8	4.0	µg/L	40.0	1.16	112		70-130			
Methyl Cyclohexane	49.0	4.0	µg/L	40.0	ND	122		70-130			
Methylene Chloride	45.7	20	µg/L	40.0	ND	114		70-130			
4-Methyl-2-pentanone (MIBK)	422	40	µg/L	400	ND	106		70-130			
Naphthalene	26.0	8.0	µg/L	40.0	ND	**65.0**	*	70-130			MS-09
n-Propylbenzene	44.9	4.0	µg/L	40.0	ND	112		70-130			
Styrene	43.8	4.0	µg/L	40.0	ND	110		70-130			
1,1,1,2-Tetrachloroethane	45.6	4.0	µg/L	40.0	ND	114		70-130			
1,1,2,2-Tetrachloroethane	44.8	2.0	µg/L	40.0	ND	112		70-130			
Tetrachloroethylene	68.3	4.0	µg/L	40.0	22.6	114		70-130			
Tetrahydrofuran	45.3	40	µg/L	40.0	ND	113		70-130			
Toluene	46.5	4.0	µg/L	40.0	ND	116		70-130			
1,2,3-Trichlorobenzene	25.6	20	µg/L	40.0	ND	**64.0**	*	70-130			MS-09
1,2,4-Trichlorobenzene	32.8	4.0	µg/L	40.0	ND	82.1		70-130			
1,3,5-Trichlorobenzene	36.9	4.0	µg/L	40.0	ND	92.2		70-130			
1,1,1-Trichloroethane	47.7	4.0	µg/L	40.0	ND	119		70-130			
1,1,2-Trichloroethane	47.0	4.0	µg/L	40.0	ND	118		70-130			
Trichloroethylene	64.3	4.0	µg/L	40.0	11.7	**132**	*	70-130			MS-24

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310724 - SW-846 5030B											
Matrix Spike (B310724-MS1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/15/22							
Trichlorofluoromethane (Freon 11)	41.5	8.0	µg/L	40.0	ND	104		70-130			
1,2,3-Trichloropropane	45.2	8.0	µg/L	40.0	ND	113		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	4.0	µg/L	40.0	ND	125		70-130			
1,2,4-Trimethylbenzene	42.8	4.0	µg/L	40.0	ND	107		70-130			
1,3,5-Trimethylbenzene	44.6	4.0	µg/L	40.0	ND	111		70-130			
Vinyl Chloride	49.6	8.0	µg/L	40.0	2.20	118		70-130			
m+p Xylene	91.9	8.0	µg/L	80.0	ND	115		70-130			
o-Xylene	44.3	4.0	µg/L	40.0	ND	111		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.1		70-130			
Surrogate: Toluene-d8	*26.2*		µg/L	25.0		105		70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100		70-130			
Matrix Spike Dup (B310724-MSD1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/15/22							
Acetone	347	200	µg/L	400	ND	86.7		70-130	3.23	30	
Acrylonitrile	42.2	20	µg/L	40.0	ND	106		70-130	2.25	30	
tert-Amyl Methyl Ether (TAME)	42.2	2.0	µg/L	40.0	ND	106		70-130	8.96	30	
Benzene	41.4	4.0	µg/L	40.0	ND	104		70-130	6.54	30	
Bromobenzene	42.1	4.0	µg/L	40.0	ND	105		70-130	8.12	30	
Bromochloromethane	46.6	4.0	µg/L	40.0	ND	116		70-130	8.15	30	
Bromodichloromethane	42.9	2.0	µg/L	40.0	ND	107		70-130	11.1	30	
Bromoform	36.0	4.0	µg/L	40.0	ND	89.9		70-130	10.5	30	
Bromomethane	47.3	8.0	µg/L	40.0	ND	118		70-130	10.4	30	
2-Butanone (MEK)	352	80	µg/L	400	ND	88.0		70-130	3.91	30	
tert-Butyl Alcohol (TBA)	370	80	µg/L	400	ND	92.5		70-130	3.01	30	
n-Butylbenzene	37.3	4.0	µg/L	40.0	ND	93.3		70-130	11.3	30	
sec-Butylbenzene	38.4	4.0	µg/L	40.0	ND	96.0		70-130	8.86	30	
tert-Butylbenzene	43.0	4.0	µg/L	40.0	ND	107		70-130	8.04	30	
tert-Butyl Ethyl Ether (TBEE)	39.8	2.0	µg/L	40.0	ND	99.5		70-130	6.33	30	
Carbon Disulfide	435	20	µg/L	400	ND	109		70-130	10.1	30	
Carbon Tetrachloride	40.4	20	µg/L	40.0	ND	101		70-130	10.2	30	
Chlorobenzene	40.3	4.0	µg/L	40.0	ND	101		70-130	10.2	30	
Chlorodibromomethane	40.3	2.0	µg/L	40.0	ND	101		70-130	7.17	30	
Chloroethane	44.5	8.0	µg/L	40.0	ND	111		70-130	6.85	30	
Chloroform	43.2	8.0	µg/L	40.0	ND	108		70-130	6.62	30	
Chloromethane	16.7	8.0	µg/L	40.0	ND	**41.7**	*	70-130	6.27	30	MS-09
2-Chlorotoluene	40.0	4.0	µg/L	40.0	ND	100		70-130	11.3	30	
4-Chlorotoluene	40.8	4.0	µg/L	40.0	ND	102		70-130	9.35	30	
1,2-Dibromo-3-chloropropane (DBCP)	33.4	20	µg/L	40.0	ND	83.4		70-130	7.98	30	
1,2-Dibromoethane (EDB)	43.8	2.0	µg/L	40.0	ND	110		70-130	6.10	30	
Dibromomethane	43.2	4.0	µg/L	40.0	ND	108		70-130	11.6	30	
1,2-Dichlorobenzene	37.2	4.0	µg/L	40.0	ND	93.1		70-130	8.63	30	
1,3-Dichlorobenzene	38.8	4.0	µg/L	40.0	ND	97.1		70-130	8.39	30	
1,4-Dichlorobenzene	38.4	4.0	µg/L	40.0	ND	95.9		70-130	9.06	30	
trans-1,4-Dichloro-2-butene	31.7	8.0	µg/L	40.0	ND	79.3		70-130	6.11	30	
Dichlorodifluoromethane (Freon 12)	38.6	8.0	µg/L	40.0	ND	96.5		70-130	15.1	30	
1,1-Dichloroethane	42.8	4.0	µg/L	40.0	ND	107		70-130	8.17	30	
1,2-Dichloroethane	44.1	4.0	µg/L	40.0	ND	110		70-130	5.38	30	
1,1-Dichloroethylene	44.6	4.0	µg/L	40.0	ND	112		70-130	10.7	30	
cis-1,2-Dichloroethylene	234	4.0	µg/L	40.0	209	**63.1**	*	70-130	4.14	30	MS-19
trans-1,2-Dichloroethylene	44.3	4.0	µg/L	40.0	ND	111		70-130	9.55	30	
1,2-Dichloropropane	44.3	4.0	µg/L	40.0	ND	111		70-130	8.56	30	
1,3-Dichloropropane	43.9	2.0	µg/L	40.0	ND	110		70-130	6.26	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310724 - SW-846 5030B											
Matrix Spike Dup (B310724-MSD1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/15/22							
2,2-Dichloropropane	34.7	4.0	µg/L	40.0	ND	86.8		70-130	13.2	30	
1,1-Dichloropropene	42.8	8.0	µg/L	40.0	ND	107		70-130	10.4	30	
cis-1,3-Dichloropropene	39.5	2.0	µg/L	40.0	ND	98.8		70-130	8.25	30	
trans-1,3-Dichloropropene	38.3	2.0	µg/L	40.0	ND	95.8		70-130	2.98	30	
Diethyl Ether	39.7	8.0	µg/L	40.0	ND	99.3		70-130	3.85	30	
Diisopropyl Ether (DIPE)	39.7	2.0	µg/L	40.0	ND	99.2		70-130	7.75	30	
1,4-Dioxane	429	200	µg/L	400	ND	107		70-130	4.43	30	
Ethylbenzene	40.7	4.0	µg/L	40.0	ND	102		70-130	9.90	30	
Hexachlorobutadiene	33.8	2.4	µg/L	40.0	ND	84.4		70-130	0.118	30	
2-Hexanone (MBK)	371	40	µg/L	400	ND	92.6		70-130	3.41	30	
Isopropylbenzene (Cumene)	40.8	4.0	µg/L	40.0	ND	102		70-130	10.5	30	
p-Isopropyltoluene (p-Cymene)	41.0	4.0	µg/L	40.0	ND	102		70-130	10.0	30	
Methyl Acetate	31.2	4.0	µg/L	40.0	ND	77.9		70-130	2.78	30	
Methyl tert-Butyl Ether (MTBE)	43.4	4.0	µg/L	40.0	1.16	106		70-130	5.38	30	
Methyl Cyclohexane	41.5	4.0	µg/L	40.0	ND	104		70-130	16.5	30	
Methylene Chloride	41.6	20	µg/L	40.0	ND	104		70-130	9.45	30	
4-Methyl-2-pentanone (MIBK)	390	40	µg/L	400	ND	97.5		70-130	7.89	30	
Naphthalene	27.0	8.0	µg/L	40.0	ND	**67.5**	*	70-130	3.77	30	MS-09
n-Propylbenzene	40.7	4.0	µg/L	40.0	ND	102		70-130	9.81	30	
Styrene	41.0	4.0	µg/L	40.0	ND	103		70-130	6.60	30	
1,1,1,2-Tetrachloroethane	42.2	4.0	µg/L	40.0	ND	106		70-130	7.56	30	
1,1,2,2-Tetrachloroethane	42.7	2.0	µg/L	40.0	ND	107		70-130	4.85	30	
Tetrachloroethylene	62.8	4.0	µg/L	40.0	22.6	100		70-130	8.42	30	
Tetrahydrofuran	42.4	40	µg/L	40.0	ND	106		70-130	6.66	30	
Toluene	41.3	4.0	µg/L	40.0	ND	103		70-130	11.9	30	
1,2,3-Trichlorobenzene	26.9	20	µg/L	40.0	ND	**67.2**	*	70-130	4.88	30	MS-09
1,2,4-Trichlorobenzene	33.0	4.0	µg/L	40.0	ND	82.6		70-130	0.607	30	
1,3,5-Trichlorobenzene	35.8	4.0	µg/L	40.0	ND	89.4		70-130	3.08	30	
1,1,1-Trichloroethane	42.8	4.0	µg/L	40.0	ND	107		70-130	10.9	30	
1,1,2-Trichloroethane	43.6	4.0	µg/L	40.0	ND	109		70-130	7.41	30	
Trichloroethylene	57.7	4.0	µg/L	40.0	11.7	115		70-130	10.8	30	
Trichlorofluoromethane (Freon 11)	40.1	8.0	µg/L	40.0	ND	100		70-130	3.43	30	
1,2,3-Trichloropropane	44.0	8.0	µg/L	40.0	ND	110		70-130	2.78	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.8	4.0	µg/L	40.0	ND	110		70-130	13.2	30	
1,2,4-Trimethylbenzene	38.7	4.0	µg/L	40.0	ND	96.8		70-130	10.0	30	
1,3,5-Trimethylbenzene	39.6	4.0	µg/L	40.0	ND	99.0		70-130	11.8	30	
Vinyl Chloride	44.3	8.0	µg/L	40.0	2.20	105		70-130	11.2	30	
m+p Xylene	81.0	8.0	µg/L	80.0	ND	101		70-130	12.6	20	
o-Xylene	40.1	4.0	µg/L	40.0	ND	100		70-130	9.86	30	
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.4		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310736 - SW-846 3510C										
Blank (B310736-BLK1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							R-05, V-06, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-06
Hexachloroethane	ND	10	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310736 - SW-846 3510C										
Blank (B310736-BLK1)				Prepared: 06/15/22 Analyzed: 06/16/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							V-35
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*101*		µg/L	200		50.5	15-110			
Surrogate: Phenol-d6	*67.6*		µg/L	200		33.8	15-110			
Surrogate: Nitrobenzene-d5	*97.7*		µg/L	100		97.7	30-130			
Surrogate: 2-Fluorobiphenyl	*68.9*		µg/L	100		68.9	30-130			
Surrogate: 2,4,6-Tribromophenol	*166*		µg/L	200		82.8	15-110			
Surrogate: p-Terphenyl-d14	*102*		µg/L	100		102	30-130			
LCS (B310736-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Acenaphthene	34.8	5.0	µg/L	50.0		69.6	40-140			
Acenaphthylene	37.8	5.0	µg/L	50.0		75.6	40-140			
Acetophenone	40.4	10	µg/L	50.0		80.9	40-140			
Aniline	34.3	5.0	µg/L	50.0		68.6	40-140			
Anthracene	39.8	5.0	µg/L	50.0		79.7	40-140			
Benzidine	35.2	20	µg/L	50.0		70.5	40-140			R-05, V-06, V-35
Benzo(a)anthracene	42.5	5.0	µg/L	50.0		84.9	40-140			
Benzo(a)pyrene	41.0	5.0	µg/L	50.0		81.9	40-140			
Benzo(b)fluoranthene	41.0	5.0	µg/L	50.0		82.1	40-140			
Benzo(g,h,i)perylene	45.3	5.0	µg/L	50.0		90.6	40-140			
Benzo(k)fluoranthene	44.0	5.0	µg/L	50.0		88.1	40-140			
Benzoic Acid	21.4	10	µg/L	50.0		42.8	10-130			†
Bis(2-chloroethoxy)methane	40.4	10	µg/L	50.0		80.8	40-140			
Bis(2-chloroethyl)ether	37.7	10	µg/L	50.0		75.3	40-140			
Bis(2-chloroisopropyl)ether	39.9	10	µg/L	50.0		79.9	40-140			
Bis(2-Ethylhexyl)phthalate	46.8	10	µg/L	50.0		93.7	40-140			
4-Bromophenylphenylether	39.8	10	µg/L	50.0		79.7	40-140			
Butylbenzylphthalate	46.3	10	µg/L	50.0		92.5	40-140			
Carbazole	39.9	10	µg/L	50.0		79.8	40-140			
4-Chloroaniline	36.0	10	µg/L	50.0		71.9	40-140			V-34
4-Chloro-3-methylphenol	45.8	10	µg/L	50.0		91.6	30-130			
2-Chloronaphthalene	29.9	10	µg/L	50.0		59.8	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310736 - SW-846 3510C												
LCS (B310736-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22								
2-Chlorophenol	38.0	10	µg/L	50.0		76.0		30-130				
4-Chlorophenylphenylether	41.7	10	µg/L	50.0		83.4		40-140				
Chrysene	39.3	5.0	µg/L	50.0		78.6		40-140				
Dibenz(a,h)anthracene	46.7	5.0	µg/L	50.0		93.4		40-140				
Dibenzofuran	40.7	5.0	µg/L	50.0		81.3		40-140				
Di-n-butylphthalate	42.7	10	µg/L	50.0		85.5		40-140				
1,2-Dichlorobenzene	22.9	5.0	µg/L	50.0		45.8		40-140				
1,3-Dichlorobenzene	21.1	5.0	µg/L	50.0		42.2		40-140				
1,4-Dichlorobenzene	22.1	5.0	µg/L	50.0		44.3		40-140				
3,3-Dichlorobenzidine	49.2	10	µg/L	50.0		98.3		40-140				
2,4-Dichlorophenol	43.5	10	µg/L	50.0		86.9		30-130				
Diethylphthalate	45.1	10	µg/L	50.0		90.1		40-140				
2,4-Dimethylphenol	36.2	10	µg/L	50.0		72.4		30-130				
Dimethylphthalate	44.3	10	µg/L	50.0		88.7		40-140				
4,6-Dinitro-2-methylphenol	44.2	10	µg/L	50.0		88.4		30-130				
2,4-Dinitrophenol	40.4	10	µg/L	50.0		80.8		30-130				
2,4-Dinitrotoluene	46.0	10	µg/L	50.0		91.9		40-140				
2,6-Dinitrotoluene	46.3	10	µg/L	50.0		92.6		40-140				
Di-n-octylphthalate	43.6	10	µg/L	50.0		87.3		40-140				
1,2-Diphenylhydrazine/Azobenzene	36.0	10	µg/L	50.0		71.9		40-140				
Fluoranthene	42.0	5.0	µg/L	50.0		84.0		40-140				
Fluorene	40.6	5.0	µg/L	50.0		81.2		40-140				
Hexachlorobenzene	39.4	10	µg/L	50.0		78.8		40-140				
Hexachlorobutadiene	21.5	10	µg/L	50.0		43.0		40-140				
Hexachlorocyclopentadiene	6.43	10	µg/L	50.0		**12.9**	*	30-140			V-06, L-04, J	†
Hexachloroethane	19.0	10	µg/L	50.0		**37.9**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	47.1	5.0	µg/L	50.0		94.3		40-140				
Isophorone	43.8	10	µg/L	50.0		87.6		40-140				
1-Methylnaphthalene	30.6	5.0	µg/L	50.0		61.2		40-140				
2-Methylnaphthalene	35.2	5.0	µg/L	50.0		70.5		40-140				
2-Methylphenol	36.9	10	µg/L	50.0		73.9		30-130				
3/4-Methylphenol	34.9	10	µg/L	50.0		69.8		30-130				
Naphthalene	31.0	5.0	µg/L	50.0		62.1		40-140				
2-Nitroaniline	45.0	10	µg/L	50.0		89.9		40-140			V-35	
3-Nitroaniline	40.3	10	µg/L	50.0		80.7		40-140				
4-Nitroaniline	39.0	10	µg/L	50.0		78.0		40-140				
Nitrobenzene	39.2	10	µg/L	50.0		78.4		40-140				
2-Nitrophenol	43.6	10	µg/L	50.0		87.2		30-130				
4-Nitrophenol	26.7	10	µg/L	50.0		53.3		10-130				†
N-Nitrosodimethylamine	29.9	10	µg/L	50.0		59.8		40-140				
N-Nitrosodiphenylamine/Diphenylamine	40.0	10	µg/L	50.0		80.1		40-140				
N-Nitrosodi-n-propylamine	41.9	10	µg/L	50.0		83.8		40-140				
Pentachloronitrobenzene	43.7	10	µg/L	50.0		87.5		40-140				
Pentachlorophenol	26.6	10	µg/L	50.0		53.1		30-130				
Phenanthrene	39.8	5.0	µg/L	50.0		79.6		40-140				
Phenol	18.3	10	µg/L	50.0		36.6		20-130				†
Pyrene	42.4	5.0	µg/L	50.0		84.8		40-140				
Pyridine	14.1	5.0	µg/L	50.0		28.3		10-140				†
1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.0		40-140				
1,2,4-Trichlorobenzene	25.0	5.0	µg/L	50.0		49.9		40-140				
2,4,5-Trichlorophenol	42.2	10	µg/L	50.0		84.3		30-130				
2,4,6-Trichlorophenol	41.7	10	µg/L	50.0		83.4		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B310736 - SW-846 3510C													
LCS (B310736-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22									
Surrogate: 2-Fluorophenol	*109*		µg/L	200		54.7		15-110					
Surrogate: Phenol-d6	*74.2*		µg/L	200		37.1		15-110					
Surrogate: Nitrobenzene-d5	*106*		µg/L	100		106		30-130					
Surrogate: 2-Fluorobiphenyl	*82.4*		µg/L	100		82.4		30-130					
Surrogate: 2,4,6-Tribromophenol	*172*		µg/L	200		85.8		15-110					
Surrogate: p-Terphenyl-d14	*97.9*		µg/L	100		97.9		30-130					
LCS Dup (B310736-BSD1)				Prepared: 06/15/22 Analyzed: 06/16/22									
Acenaphthene	34.2	5.0	µg/L	50.0		68.4		40-140	1.77		20		
Acenaphthylene	37.4	5.0	µg/L	50.0		74.7		40-140	1.12		20		
Acetophenone	36.2	10	µg/L	50.0		72.3		40-140	11.2		20		
Aniline	32.5	5.0	µg/L	50.0		65.1		40-140	5.24		50		‡
Anthracene	39.7	5.0	µg/L	50.0		79.4		40-140	0.327		20		
Benzidine	52.3	20	µg/L	50.0		105		40-140	**38.9**	*	20	R-05, V-06, V-35	
Benzo(a)anthracene	41.4	5.0	µg/L	50.0		82.9		40-140	2.48		20		
Benzo(a)pyrene	40.0	5.0	µg/L	50.0		79.9		40-140	2.47		20		
Benzo(b)fluoranthene	40.8	5.0	µg/L	50.0		81.6		40-140	0.587		20		
Benzo(g,h,i)perylene	45.1	5.0	µg/L	50.0		90.3		40-140	0.332		20		
Benzo(k)fluoranthene	43.6	5.0	µg/L	50.0		87.2		40-140	0.958		20		
Benzoic Acid	19.2	10	µg/L	50.0		38.4		10-130	10.8		50		† ‡
Bis(2-chloroethoxy)methane	37.2	10	µg/L	50.0		74.3		40-140	8.36		20		
Bis(2-chloroethyl)ether	33.3	10	µg/L	50.0		66.6		40-140	12.3		20		
Bis(2-chloroisopropyl)ether	35.5	10	µg/L	50.0		70.9		40-140	11.9		20		
Bis(2-Ethylhexyl)phthalate	46.5	10	µg/L	50.0		93.1		40-140	0.685		20		
4-Bromophenylphenylether	40.7	10	µg/L	50.0		81.4		40-140	2.14		20		
Butylbenzylphthalate	46.5	10	µg/L	50.0		92.9		40-140	0.431		20		
Carbazole	39.6	10	µg/L	50.0		79.3		40-140	0.654		20		
4-Chloroaniline	36.5	10	µg/L	50.0		73.0		40-140	1.49		20	V-34	
4-Chloro-3-methylphenol	40.8	10	µg/L	50.0		81.5		30-130	11.6		20		
2-Chloronaphthalene	30.3	10	µg/L	50.0		60.7		40-140	1.43		20		
2-Chlorophenol	33.6	10	µg/L	50.0		67.1		30-130	12.4		20		
4-Chlorophenylphenylether	40.5	10	µg/L	50.0		81.0		40-140	2.87		20		
Chrysene	39.2	5.0	µg/L	50.0		78.4		40-140	0.255		20		
Dibenz(a,h)anthracene	47.1	5.0	µg/L	50.0		94.2		40-140	0.874		20		
Dibenzofuran	39.9	5.0	µg/L	50.0		79.9		40-140	1.84		20		
Di-n-butylphthalate	42.9	10	µg/L	50.0		85.8		40-140	0.444		20		
1,2-Dichlorobenzene	21.6	5.0	µg/L	50.0		43.1		40-140	5.94		20		
1,3-Dichlorobenzene	19.9	5.0	µg/L	50.0		**39.8**	*	40-140	5.91		20	L-07	
1,4-Dichlorobenzene	20.6	5.0	µg/L	50.0		41.2		40-140	7.30		20		
3,3-Dichlorobenzidine	49.6	10	µg/L	50.0		99.3		40-140	0.972		20		
2,4-Dichlorophenol	39.1	10	µg/L	50.0		78.1		30-130	10.7		20		
Diethylphthalate	43.9	10	µg/L	50.0		87.8		40-140	2.61		20		
2,4-Dimethylphenol	33.8	10	µg/L	50.0		67.7		30-130	6.77		20		
Dimethylphthalate	43.1	10	µg/L	50.0		86.3		40-140	2.74		50		‡
4,6-Dinitro-2-methylphenol	42.5	10	µg/L	50.0		85.0		30-130	3.97		50		‡
2,4-Dinitrophenol	37.6	10	µg/L	50.0		75.2		30-130	7.23		50		‡
2,4-Dinitrotoluene	45.2	10	µg/L	50.0		90.4		40-140	1.65		20		
2,6-Dinitrotoluene	45.4	10	µg/L	50.0		90.7		40-140	2.05		20		
Di-n-octylphthalate	43.6	10	µg/L	50.0		87.2		40-140	0.115		20		
1,2-Diphenylhydrazine/Azobenzene	36.2	10	µg/L	50.0		72.5		40-140	0.748		20		
Fluoranthene	40.9	5.0	µg/L	50.0		81.9		40-140	2.58		20		
Fluorene	40.0	5.0	µg/L	50.0		80.0		40-140	1.51		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310736 - SW-846 3510C												
LCS Dup (B310736-BSD1)				Prepared: 06/15/22 Analyzed: 06/16/22								
Hexachlorobenzene	39.2	10	µg/L	50.0		78.5		40-140	0.381	20		
Hexachlorobutadiene	21.0	10	µg/L	50.0		42.0		40-140	2.31	20		
Hexachlorocyclopentadiene	7.10	10	µg/L	50.0		**14.2**	*	30-140	9.90	50	L-04, V-06, J	† ‡
Hexachloroethane	18.5	10	µg/L	50.0		**37.1**	*	40-140	2.24	50	L-04	‡
Indeno(1,2,3-cd)pyrene	49.6	5.0	µg/L	50.0		99.3		40-140	5.17	50		‡
Isophorone	40.2	10	µg/L	50.0		80.4		40-140	8.57	20		
1-Methylnaphthalene	28.8	5.0	µg/L	50.0		57.5		40-140	6.17	20		
2-Methylnaphthalene	32.9	5.0	µg/L	50.0		65.8		40-140	6.87	20		
2-Methylphenol	31.1	10	µg/L	50.0		62.2		30-130	17.2	20		
3/4-Methylphenol	30.2	10	µg/L	50.0		60.3		30-130	14.6	20		
Naphthalene	29.0	5.0	µg/L	50.0		58.0		40-140	6.83	20		
2-Nitroaniline	44.1	10	µg/L	50.0		88.1		40-140	2.04	20	V-35	
3-Nitroaniline	40.3	10	µg/L	50.0		80.6		40-140	0.0744	20		
4-Nitroaniline	38.1	10	µg/L	50.0		76.2		40-140	2.41	20		
Nitrobenzene	36.6	10	µg/L	50.0		73.2		40-140	6.91	20		
2-Nitrophenol	39.9	10	µg/L	50.0		79.8		30-130	8.77	20		
4-Nitrophenol	25.9	10	µg/L	50.0		51.8		10-130	2.97	50		† ‡
N-Nitrosodimethylamine	26.2	10	µg/L	50.0		52.4		40-140	13.0	20		
N-Nitrosodiphenylamine/Diphenylamine	40.1	10	µg/L	50.0		80.2		40-140	0.175	20		
N-Nitrosodi-n-propylamine	37.4	10	µg/L	50.0		74.7		40-140	11.5	20		
Pentachloronitrobenzene	45.2	10	µg/L	50.0		90.4		40-140	3.26	20		
Pentachlorophenol	27.2	10	µg/L	50.0		54.5		30-130	2.53	50		‡
Phenanthrene	40.1	5.0	µg/L	50.0		80.2		40-140	0.701	20		
Phenol	15.6	10	µg/L	50.0		31.2		20-130	15.9	20		†
Pyrene	42.9	5.0	µg/L	50.0		85.7		40-140	1.06	20		
Pyridine	13.7	5.0	µg/L	50.0		27.4		10-140	3.16	50		† ‡
1,2,4,5-Tetrachlorobenzene	30.4	10	µg/L	50.0		60.7		40-140	2.02	20		
1,2,4-Trichlorobenzene	23.7	5.0	µg/L	50.0		47.3		40-140	5.35	20		
2,4,5-Trichlorophenol	41.2	10	µg/L	50.0		82.4		30-130	2.28	20		
2,4,6-Trichlorophenol	42.2	10	µg/L	50.0		84.5		30-130	1.31	50		‡
Surrogate: 2-Fluorophenol	*90.3*		µg/L	200		45.2		15-110				
Surrogate: Phenol-d6	*61.3*		µg/L	200		30.6		15-110				
Surrogate: Nitrobenzene-d5	*95.9*		µg/L	100		95.9		30-130				
Surrogate: 2-Fluorobiphenyl	*81.1*		µg/L	100		81.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*162*		µg/L	200		81.1		15-110				
Surrogate: p-Terphenyl-d14	*96.8*		µg/L	100		96.8		30-130				
Matrix Spike (B310736-MS2)	**Source: 22F0782-05**			Prepared: 06/15/22 Analyzed: 06/22/22								
Acenaphthene	33.6	5.0	µg/L	50.0	ND	67.2		40-140				
Acenaphthylene	32.5	5.0	µg/L	50.0	ND	65.0		40-140				
Acetophenone	31.7	10	µg/L	50.0	ND	63.4		40-140				
Aniline	19.8	5.0	µg/L	50.0	ND	**39.7**	*	40-140			MS-22	
Anthracene	35.4	5.0	µg/L	50.0	ND	70.9		40-140				
Benzidine	ND	20	µg/L	50.0	ND		*	40-140			MS-09, V-35	
Benzo(a)anthracene	36.7	5.0	µg/L	50.0	ND	73.5		40-140				
Benzo(a)pyrene	35.3	5.0	µg/L	50.0	ND	70.7		40-140				
Benzo(b)fluoranthene	36.6	5.0	µg/L	50.0	ND	73.1		40-140				
Benzo(g,h,i)perylene	43.4	5.0	µg/L	50.0	ND	86.7		40-140				
Benzo(k)fluoranthene	39.4	5.0	µg/L	50.0	ND	78.8		40-140				
Benzoic Acid	23.6	10	µg/L	50.0	ND	47.1		40-140				
Bis(2-chloroethoxy)methane	34.8	10	µg/L	50.0	ND	69.6		40-140				
Bis(2-chloroethyl)ether	30.9	10	µg/L	50.0	ND	61.8		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310736 - SW-846 3510C											
Matrix Spike (B310736-MS2)		**Source: 22F0782-05**		Prepared: 06/15/22 Analyzed: 06/22/22							
Bis(2-chloroisopropyl)ether	32.9	10	µg/L	50.0	ND	65.7		40-140			
Bis(2-Ethylhexyl)phthalate	39.6	10	µg/L	50.0	ND	79.1		40-140			
4-Bromophenylphenylether	37.4	10	µg/L	50.0	ND	74.7		40-140			
Butylbenzylphthalate	40.0	10	µg/L	50.0	ND	80.1		40-140			
Carbazole	35.7	10	µg/L	50.0	ND	71.4		40-140			
4-Chloroaniline	22.6	10	µg/L	50.0	ND	45.3		40-140			V-34
4-Chloro-3-methylphenol	34.0	10	µg/L	50.0	ND	68.0		30-130			
2-Chloronaphthalene	28.6	10	µg/L	50.0	ND	57.2		40-140			
2-Chlorophenol	29.6	10	µg/L	50.0	ND	59.3		30-130			
4-Chlorophenylphenylether	36.1	10	µg/L	50.0	ND	72.1		40-140			
Chrysene	36.5	5.0	µg/L	50.0	ND	72.9		40-140			
Dibenz(a,h)anthracene	43.5	5.0	µg/L	50.0	ND	87.0		40-140			
Dibenzofuran	35.0	5.0	µg/L	50.0	ND	70.0		40-140			
Di-n-butylphthalate	38.2	10	µg/L	50.0	ND	76.4		40-140			
1,2-Dichlorobenzene	21.4	5.0	µg/L	50.0	ND	42.9		40-140			
1,3-Dichlorobenzene	20.0	5.0	µg/L	50.0	ND	**39.9**	*	40-140			MS-22
1,4-Dichlorobenzene	20.0	5.0	µg/L	50.0	ND	40.0		40-140			
3,3-Dichlorobenzidine	21.8	10	µg/L	50.0	ND	43.7		40-140			
2,4-Dichlorophenol	34.8	10	µg/L	50.0	ND	69.6		30-130			
Diethylphthalate	36.2	10	µg/L	50.0	ND	72.5		40-140			
2,4-Dimethylphenol	23.8	10	µg/L	50.0	ND	47.6		30-130			
Dimethylphthalate	36.4	10	µg/L	50.0	ND	72.8		40-140			
4,6-Dinitro-2-methylphenol	49.5	10	µg/L	50.0	ND	99.1		30-130			V-04, V-06
2,4-Dinitrophenol	46.7	10	µg/L	50.0	ND	93.5		30-130			V-04, V-06
2,4-Dinitrotoluene	37.4	10	µg/L	50.0	ND	74.9		40-140			
2,6-Dinitrotoluene	40.3	10	µg/L	50.0	ND	80.7		40-140			
Di-n-octylphthalate	38.3	10	µg/L	50.0	ND	76.6		40-140			
1,2-Diphenylhydrazine/Azobenzene	34.4	10	µg/L	50.0	ND	68.9		40-140			
Fluoranthene	37.9	5.0	µg/L	50.0	ND	75.8		40-140			
Fluorene	35.0	5.0	µg/L	50.0	ND	69.9		40-140			
Hexachlorobenzene	36.9	10	µg/L	50.0	ND	73.7		40-140			
Hexachlorobutadiene	24.4	10	µg/L	50.0	ND	48.8		40-140			
Hexachlorocyclopentadiene	27.7	10	µg/L	50.0	ND	55.5		30-130			
Hexachloroethane	18.9	10	µg/L	50.0	ND	**37.8**	*	40-140			MS-22
Indeno(1,2,3-cd)pyrene	42.9	5.0	µg/L	50.0	ND	85.9		40-140			
Isophorone	35.2	10	µg/L	50.0	ND	70.4		40-140			
1-Methylnaphthalene	28.1	5.0	µg/L	50.0	ND	56.3		40-140			
2-Methylnaphthalene	33.1	5.0	µg/L	50.0	ND	66.2		40-140			
2-Methylphenol	26.7	10	µg/L	50.0	ND	53.3		30-130			
3/4-Methylphenol	24.6	10	µg/L	50.0	ND	49.2		30-130			
Naphthalene	29.3	5.0	µg/L	50.0	ND	58.5		40-140			
2-Nitroaniline	43.1	10	µg/L	50.0	ND	86.2		40-140			
3-Nitroaniline	34.5	10	µg/L	50.0	ND	69.0		40-140			
4-Nitroaniline	36.5	10	µg/L	50.0	ND	73.0		40-140			
Nitrobenzene	31.8	10	µg/L	50.0	ND	63.6		40-140			
2-Nitrophenol	39.1	10	µg/L	50.0	ND	78.2		30-130			
4-Nitrophenol	19.5	10	µg/L	50.0	ND	39.0		30-130			
N-Nitrosodimethylamine	20.5	10	µg/L	50.0	ND	41.0		40-140			
N-Nitrosodiphenylamine/Diphenylamine	30.6	10	µg/L	50.0	ND	61.1		40-140			
N-Nitrosodi-n-propylamine	32.8	10	µg/L	50.0	ND	65.6		40-140			
Pentachloronitrobenzene	40.4	10	µg/L	50.0	ND	80.9		40-140			
Pentachlorophenol	36.0	10	µg/L	50.0	ND	72.0		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310736 - SW-846 3510C											
Matrix Spike (B310736-MS2)	**Source: 22F0782-05**			Prepared: 06/15/22 Analyzed: 06/22/22							
Phenanthrene	36.0	5.0	µg/L	50.0	ND	71.9		40-140			
Phenol	21.7	10	µg/L	50.0	2.15	39.1		30-130			
Pyrene	37.2	5.0	µg/L	50.0	ND	74.4		40-140			
Pyridine	15.2	5.0	µg/L	50.0	ND	**30.4**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	31.9	10	µg/L	50.0	ND	63.7		40-140			
1,2,4-Trichlorobenzene	25.9	5.0	µg/L	50.0	ND	51.8		40-140			
2,4,5-Trichlorophenol	37.7	10	µg/L	50.0	ND	75.3		30-130			
2,4,6-Trichlorophenol	35.8	10	µg/L	50.0	ND	71.6		30-130			
Surrogate: 2-Fluorophenol	*82.8*		µg/L	200		41.4		15-110			
Surrogate: Phenol-d6	*56.2*		µg/L	200		28.1		15-110			
Surrogate: Nitrobenzene-d5	*89.3*		µg/L	100		89.3		30-130			
Surrogate: 2-Fluorobiphenyl	*73.6*		µg/L	100		73.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*159*		µg/L	200		79.5		15-110			
Surrogate: p-Terphenyl-d14	*81.2*		µg/L	100		81.2		30-130			
Matrix Spike Dup (B310736-MSD2)	**Source: 22F0782-05**			Prepared: 06/15/22 Analyzed: 06/22/22							
Acenaphthene	33.4	5.0	µg/L	50.0	ND	66.9		40-140	0.477	30	
Acenaphthylene	32.3	5.0	µg/L	50.0	ND	64.7		40-140	0.432	30	
Acetophenone	32.8	10	µg/L	50.0	ND	65.6		40-140	3.41	30	
Aniline	21.9	5.0	µg/L	50.0	ND	43.8		40-140	9.73	30	
Anthracene	35.1	5.0	µg/L	50.0	ND	70.3		40-140	0.879	30	
Benzidine	ND	20	µg/L	50.0	ND		*	40-140		30	MS-09, V-35
Benzo(a)anthracene	36.2	5.0	µg/L	50.0	ND	72.4		40-140	1.48	30	
Benzo(a)pyrene	35.0	5.0	µg/L	50.0	ND	70.0		40-140	0.881	30	
Benzo(b)fluoranthene	36.5	5.0	µg/L	50.0	ND	73.1		40-140	0.0274	30	
Benzo(g,h,i)perylene	42.0	5.0	µg/L	50.0	ND	84.1		40-140	3.12	30	
Benzo(k)fluoranthene	40.0	5.0	µg/L	50.0	ND	80.0		40-140	1.46	30	
Benzoic Acid	23.8	10	µg/L	50.0	ND	47.6		40-140	1.01	30	
Bis(2-chloroethoxy)methane	35.8	10	µg/L	50.0	ND	71.6		40-140	2.89	30	
Bis(2-chloroethyl)ether	32.0	10	µg/L	50.0	ND	63.9		40-140	3.37	30	
Bis(2-chloroisopropyl)ether	34.4	10	µg/L	50.0	ND	68.7		40-140	4.43	30	
Bis(2-Ethylhexyl)phthalate	38.0	10	µg/L	50.0	ND	76.0		40-140	4.08	30	
4-Bromophenylphenylether	37.1	10	µg/L	50.0	ND	74.3		40-140	0.617	30	
Butylbenzylphthalate	39.2	10	µg/L	50.0	ND	78.5		40-140	2.07	30	
Carbazole	35.1	10	µg/L	50.0	ND	70.2		40-140	1.67	30	
4-Chloroaniline	24.1	10	µg/L	50.0	ND	48.2		40-140	6.24	30	V-34
4-Chloro-3-methylphenol	33.4	10	µg/L	50.0	ND	66.7		30-130	1.90	30	
2-Chloronaphthalene	28.9	10	µg/L	50.0	ND	57.9		40-140	1.15	30	
2-Chlorophenol	31.1	10	µg/L	50.0	ND	62.2		30-130	4.84	30	
4-Chlorophenylphenylether	35.5	10	µg/L	50.0	ND	71.0		40-140	1.57	30	
Chrysene	35.7	5.0	µg/L	50.0	ND	71.3		40-140	2.22	30	
Dibenz(a,h)anthracene	41.2	5.0	µg/L	50.0	ND	82.3		40-140	5.53	30	
Dibenzofuran	35.1	5.0	µg/L	50.0	ND	70.3		40-140	0.399	30	
Di-n-butylphthalate	37.6	10	µg/L	50.0	ND	75.1		40-140	1.72	30	
1,2-Dichlorobenzene	22.9	5.0	µg/L	50.0	ND	45.7		40-140	6.41	30	
1,3-Dichlorobenzene	21.2	5.0	µg/L	50.0	ND	42.3		40-140	5.89	30	
1,4-Dichlorobenzene	21.6	5.0	µg/L	50.0	ND	43.2		40-140	7.50	30	
3,3-Dichlorobenzidine	20.5	10	µg/L	50.0	ND	41.0		40-140	6.38	30	
2,4-Dichlorophenol	35.5	10	µg/L	50.0	ND	71.0		30-130	1.96	30	
Diethylphthalate	35.7	10	µg/L	50.0	ND	71.4		40-140	1.50	30	
2,4-Dimethylphenol	26.7	10	µg/L	50.0	ND	53.4		30-130	11.4	30	
Dimethylphthalate	36.4	10	µg/L	50.0	ND	72.9		40-140	0.110	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310736 - SW-846 3510C											
Matrix Spike Dup (B310736-MSD2)	**Source: 22F0782-05**			Prepared: 06/15/22 Analyzed: 06/22/22							
4,6-Dinitro-2-methylphenol	49.3	10	µg/L	50.0	ND	98.5		30-130	0.567	30	V-04, V-06
2,4-Dinitrophenol	46.2	10	µg/L	50.0	ND	92.4		30-130	1.21	30	V-04, V-06
2,4-Dinitrotoluene	36.9	10	µg/L	50.0	ND	73.8		40-140	1.43	30	
2,6-Dinitrotoluene	40.1	10	µg/L	50.0	ND	80.1		40-140	0.672	30	
Di-n-octylphthalate	39.2	10	µg/L	50.0	ND	78.4		40-140	2.43	30	
1,2-Diphenylhydrazine/Azobenzene	34.0	10	µg/L	50.0	ND	68.0		40-140	1.20	30	
Fluoranthene	37.3	5.0	µg/L	50.0	ND	74.5		40-140	1.76	30	
Fluorene	34.3	5.0	µg/L	50.0	ND	68.5		40-140	1.99	30	
Hexachlorobenzene	37.5	10	µg/L	50.0	ND	75.0		40-140	1.67	30	
Hexachlorobutadiene	24.8	10	µg/L	50.0	ND	49.7		40-140	1.75	30	
Hexachlorocyclopentadiene	28.5	10	µg/L	50.0	ND	57.0		30-130	2.70	30	
Hexachloroethane	20.1	10	µg/L	50.0	ND	40.1		40-140	6.11	30	
Indeno(1,2,3-cd)pyrene	40.8	5.0	µg/L	50.0	ND	81.7		40-140	4.99	30	
Isophorone	36.0	10	µg/L	50.0	ND	72.1		40-140	2.39	30	
1-Methylnaphthalene	28.3	5.0	µg/L	50.0	ND	56.5		40-140	0.496	30	
2-Methylnaphthalene	33.0	5.0	µg/L	50.0	ND	65.9		40-140	0.363	30	
2-Methylphenol	28.6	10	µg/L	50.0	ND	57.1		30-130	6.88	30	
3/4-Methylphenol	26.0	10	µg/L	50.0	ND	52.1		30-130	5.73	30	
Naphthalene	29.8	5.0	µg/L	50.0	ND	59.7		40-140	1.93	30	
2-Nitroaniline	42.8	10	µg/L	50.0	ND	85.5		40-140	0.839	30	
3-Nitroaniline	34.7	10	µg/L	50.0	ND	69.4		40-140	0.520	30	
4-Nitroaniline	35.1	10	µg/L	50.0	ND	70.3		40-140	3.82	30	
Nitrobenzene	33.1	10	µg/L	50.0	ND	66.2		40-140	3.91	30	
2-Nitrophenol	41.2	10	µg/L	50.0	ND	82.3		30-130	5.08	30	
4-Nitrophenol	19.2	10	µg/L	50.0	ND	38.5		30-130	1.44	30	
N-Nitrosodimethylamine	21.4	10	µg/L	50.0	ND	42.8		40-140	4.34	30	
N-Nitrosodiphenylamine/Diphenylamine	26.1	10	µg/L	50.0	ND	52.1		40-140	15.9	30	
N-Nitrosodi-n-propylamine	34.4	10	µg/L	50.0	ND	68.7		40-140	4.65	30	
Pentachloronitrobenzene	40.3	10	µg/L	50.0	ND	80.7		40-140	0.223	30	
Pentachlorophenol	35.9	10	µg/L	50.0	ND	71.8		30-130	0.223	30	
Phenanthrene	35.5	5.0	µg/L	50.0	ND	71.0		40-140	1.32	30	
Phenol	18.5	10	µg/L	50.0	2.15	32.7		30-130	15.9	30	
Pyrene	37.0	5.0	µg/L	50.0	ND	73.9		40-140	0.728	30	
Pyridine	17.3	5.0	µg/L	50.0	ND	**34.6**	*	40-140	12.9	30	MS-09
1,2,4,5-Tetrachlorobenzene	32.6	10	µg/L	50.0	ND	65.3		40-140	2.42	30	
1,2,4-Trichlorobenzene	26.5	5.0	µg/L	50.0	ND	53.0		40-140	2.40	30	
2,4,5-Trichlorophenol	36.0	10	µg/L	50.0	ND	72.0		30-130	4.51	30	
2,4,6-Trichlorophenol	35.6	10	µg/L	50.0	ND	71.3		30-130	0.448	30	
Surrogate: 2-Fluorophenol	*89.8*		µg/L	200		44.9		15-110			
Surrogate: Phenol-d6	*60.0*		µg/L	200		30.0		15-110			
Surrogate: Nitrobenzene-d5	*94.1*		µg/L	100		94.1		30-130			
Surrogate: 2-Fluorobiphenyl	*76.8*		µg/L	100		76.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*160*		µg/L	200		80.0		15-110			
Surrogate: p-Terphenyl-d14	*81.0*		µg/L	100		81.0		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311538 - SW-846 3510C										
Blank (B311538-BLK1)				Prepared: 06/24/22 Analyzed: 06/27/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-20
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311538 - SW-846 3510C										
Blank (B311538-BLK1)				Prepared: 06/24/22 Analyzed: 06/27/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*70.2*		µg/L	200		35.1	15-110			
Surrogate: Phenol-d6	*49.7*		µg/L	200		24.9	15-110			
Surrogate: Nitrobenzene-d5	*81.1*		µg/L	100		81.1	30-130			
Surrogate: 2-Fluorobiphenyl	*64.8*		µg/L	100		64.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*145*		µg/L	200		72.5	15-110			
Surrogate: p-Terphenyl-d14	*86.5*		µg/L	100		86.5	30-130			
LCS (B311538-BS1)				Prepared: 06/24/22 Analyzed: 06/27/22						
Acenaphthene	31.6	5.0	µg/L	50.0		63.3	40-140			
Acenaphthylene	30.9	5.0	µg/L	50.0		61.7	40-140			
Acetophenone	28.7	10	µg/L	50.0		57.5	40-140			
Aniline	27.6	5.0	µg/L	50.0		55.1	40-140			
Anthracene	34.9	5.0	µg/L	50.0		69.7	40-140			
Benzidine	46.9	20	µg/L	50.0		93.8	40-140			V-35
Benzo(a)anthracene	35.3	5.0	µg/L	50.0		70.6	40-140			
Benzo(a)pyrene	34.9	5.0	µg/L	50.0		69.7	40-140			
Benzo(b)fluoranthene	35.8	5.0	µg/L	50.0		71.7	40-140			
Benzo(g,h,i)perylene	39.3	5.0	µg/L	50.0		78.7	40-140			
Benzo(k)fluoranthene	38.1	5.0	µg/L	50.0		76.2	40-140			
Benzoic Acid	18.6	10	µg/L	50.0		37.2	10-130			†
Bis(2-chloroethoxy)methane	32.2	10	µg/L	50.0		64.5	40-140			
Bis(2-chloroethyl)ether	28.7	10	µg/L	50.0		57.4	40-140			
Bis(2-chloroisopropyl)ether	30.6	10	µg/L	50.0		61.2	40-140			
Bis(2-Ethylhexyl)phthalate	39.7	10	µg/L	50.0		79.5	40-140			
4-Bromophenylphenylether	34.0	10	µg/L	50.0		68.1	40-140			
Butylbenzylphthalate	41.6	10	µg/L	50.0		83.1	40-140			
Carbazole	35.4	10	µg/L	50.0		70.9	40-140			
4-Chloroaniline	32.2	10	µg/L	50.0		64.4	40-140			V-34
4-Chloro-3-methylphenol	34.9	10	µg/L	50.0		69.7	30-130			
2-Chloronaphthalene	26.1	10	µg/L	50.0		52.3	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B311538 - SW-846 3510C												
LCS (B311538-BS1)				Prepared: 06/24/22 Analyzed: 06/27/22								
2-Chlorophenol	27.6	10	µg/L	50.0		55.2		30-130				
4-Chlorophenylphenylether	32.9	10	µg/L	50.0		65.9		40-140				
Chrysene	34.3	5.0	µg/L	50.0		68.6		40-140				
Dibenz(a,h)anthracene	39.5	5.0	µg/L	50.0		79.1		40-140				
Dibenzofuran	32.5	5.0	µg/L	50.0		65.0		40-140				
Di-n-butylphthalate	37.4	10	µg/L	50.0		74.7		40-140				
1,2-Dichlorobenzene	21.3	5.0	µg/L	50.0		42.6		40-140				
1,3-Dichlorobenzene	19.9	5.0	µg/L	50.0		**39.8**	*	40-140			L-07	
1,4-Dichlorobenzene	20.3	5.0	µg/L	50.0		40.6		40-140				
3,3-Dichlorobenzidine	40.7	10	µg/L	50.0		81.3		40-140				
2,4-Dichlorophenol	32.8	10	µg/L	50.0		65.6		30-130				
Diethylphthalate	35.4	10	µg/L	50.0		70.7		40-140				
2,4-Dimethylphenol	31.7	10	µg/L	50.0		63.4		30-130				
Dimethylphthalate	36.6	10	µg/L	50.0		73.1		40-140				
4,6-Dinitro-2-methylphenol	50.8	10	µg/L	50.0		102		30-130			V-04, V-06	
2,4-Dinitrophenol	47.6	10	µg/L	50.0		95.1		30-130			V-04, V-06	
2,4-Dinitrotoluene	38.2	10	µg/L	50.0		76.5		40-140				
2,6-Dinitrotoluene	40.0	10	µg/L	50.0		80.1		40-140				
Di-n-octylphthalate	42.1	10	µg/L	50.0		84.2		40-140				
1,2-Diphenylhydrazine/Azobenzene	33.6	10	µg/L	50.0		67.2		40-140				
Fluoranthene	36.4	5.0	µg/L	50.0		72.7		40-140				
Fluorene	32.6	5.0	µg/L	50.0		65.2		40-140				
Hexachlorobenzene	32.4	10	µg/L	50.0		64.9		40-140				
Hexachlorobutadiene	22.8	10	µg/L	50.0		45.7		40-140				
Hexachlorocyclopentadiene	21.6	10	µg/L	50.0		43.2		30-140				†
Hexachloroethane	19.7	10	µg/L	50.0		**39.3**	*	40-140			L-07	
Indeno(1,2,3-cd)pyrene	40.9	5.0	µg/L	50.0		81.7		40-140				
Isophorone	33.2	10	µg/L	50.0		66.4		40-140				
1-Methylnaphthalene	25.3	5.0	µg/L	50.0		50.7		40-140				
2-Methylnaphthalene	29.6	5.0	µg/L	50.0		59.1		40-140				
2-Methylphenol	28.0	10	µg/L	50.0		55.9		30-130				
3/4-Methylphenol	26.0	10	µg/L	50.0		52.1		30-130				
Naphthalene	26.7	5.0	µg/L	50.0		53.4		40-140				
2-Nitroaniline	39.1	10	µg/L	50.0		78.2		40-140				
3-Nitroaniline	39.7	10	µg/L	50.0		79.4		40-140				
4-Nitroaniline	39.9	10	µg/L	50.0		79.9		40-140				
Nitrobenzene	29.8	10	µg/L	50.0		59.6		40-140				
2-Nitrophenol	36.0	10	µg/L	50.0		72.0		30-130				
4-Nitrophenol	22.3	10	µg/L	50.0		44.5		10-130				†
N-Nitrosodimethylamine	19.5	10	µg/L	50.0		**39.0**	*	40-140			L-04	
N-Nitrosodiphenylamine/Diphenylamine	34.8	10	µg/L	50.0		69.5		40-140				
N-Nitrosodi-n-propylamine	31.0	10	µg/L	50.0		62.0		40-140				
Pentachloronitrobenzene	34.6	10	µg/L	50.0		69.3		40-140				
Pentachlorophenol	32.6	10	µg/L	50.0		65.2		30-130				
Phenanthrene	34.3	5.0	µg/L	50.0		68.6		40-140				
Phenol	13.8	10	µg/L	50.0		27.6		20-130				†
Pyrene	38.0	5.0	µg/L	50.0		75.9		40-140				
Pyridine	12.8	5.0	µg/L	50.0		25.7		10-140				†
1,2,4,5-Tetrachlorobenzene	27.8	10	µg/L	50.0		55.7		40-140				
1,2,4-Trichlorobenzene	24.2	5.0	µg/L	50.0		48.4		40-140				
2,4,5-Trichlorophenol	35.0	10	µg/L	50.0		69.9		30-130				
2,4,6-Trichlorophenol	34.2	10	µg/L	50.0		68.3		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B311538 - SW-846 3510C											
LCS (B311538-BS1)				Prepared: 06/24/22 Analyzed: 06/27/22							
Surrogate: 2-Fluorophenol	*76.2*		µg/L	200		38.1	15-110				
Surrogate: Phenol-d6	*54.6*		µg/L	200		27.3	15-110				
Surrogate: Nitrobenzene-d5	*86.7*		µg/L	100		86.7	30-130				
Surrogate: 2-Fluorobiphenyl	*68.8*		µg/L	100		68.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*143*		µg/L	200		71.3	15-110				
Surrogate: p-Terphenyl-d14	*81.6*		µg/L	100		81.6	30-130				
LCS Dup (B311538-BSD1)				Prepared: 06/24/22 Analyzed: 06/27/22							
Acenaphthene	32.9	5.0	µg/L	50.0		65.9	40-140	4.00	20		
Acenaphthylene	32.0	5.0	µg/L	50.0		63.9	40-140	3.44	20		
Acetophenone	30.2	10	µg/L	50.0		60.4	40-140	4.99	20		
Aniline	27.6	5.0	µg/L	50.0		55.1	40-140	0.00	50		‡
Anthracene	36.4	5.0	µg/L	50.0		72.8	40-140	4.27	20		
Benzidine	51.8	20	µg/L	50.0		104	40-140	9.89	20	V-35	
Benzo(a)anthracene	37.2	5.0	µg/L	50.0		74.5	40-140	5.32	20		
Benzo(a)pyrene	36.2	5.0	µg/L	50.0		72.5	40-140	3.88	20		
Benzo(b)fluoranthene	37.6	5.0	µg/L	50.0		75.3	40-140	4.84	20		
Benzo(g,h,i)perylene	40.3	5.0	µg/L	50.0		80.6	40-140	2.39	20		
Benzo(k)fluoranthene	39.5	5.0	µg/L	50.0		79.0	40-140	3.58	20		
Benzoic Acid	18.2	10	µg/L	50.0		36.4	10-130	1.96	50		† ‡
Bis(2-chloroethoxy)methane	33.7	10	µg/L	50.0		67.4	40-140	4.49	20		
Bis(2-chloroethyl)ether	29.8	10	µg/L	50.0		59.5	40-140	3.52	20		
Bis(2-chloroisopropyl)ether	31.8	10	µg/L	50.0		63.5	40-140	3.69	20		
Bis(2-Ethylhexyl)phthalate	40.8	10	µg/L	50.0		81.7	40-140	2.73	20		
4-Bromophenylphenylether	36.4	10	µg/L	50.0		72.7	40-140	6.53	20		
Butylbenzylphthalate	42.9	10	µg/L	50.0		85.7	40-140	3.13	20		
Carbazole	37.4	10	µg/L	50.0		74.9	40-140	5.49	20		
4-Chloroaniline	32.4	10	µg/L	50.0		64.8	40-140	0.743	20	V-34	
4-Chloro-3-methylphenol	36.0	10	µg/L	50.0		72.0	30-130	3.16	20		
2-Chloronaphthalene	27.0	10	µg/L	50.0		53.9	40-140	3.09	20		
2-Chlorophenol	28.5	10	µg/L	50.0		57.0	30-130	3.14	20		
4-Chlorophenylphenylether	34.2	10	µg/L	50.0		68.4	40-140	3.73	20		
Chrysene	35.9	5.0	µg/L	50.0		71.8	40-140	4.62	20		
Dibenz(a,h)anthracene	40.8	5.0	µg/L	50.0		81.6	40-140	3.16	20		
Dibenzofuran	33.3	5.0	µg/L	50.0		66.6	40-140	2.46	20		
Di-n-butylphthalate	38.7	10	µg/L	50.0		77.5	40-140	3.60	20		
1,2-Dichlorobenzene	23.4	5.0	µg/L	50.0		46.8	40-140	9.39	20		
1,3-Dichlorobenzene	22.0	5.0	µg/L	50.0		43.9	40-140	9.89	20		
1,4-Dichlorobenzene	22.3	5.0	µg/L	50.0		44.7	40-140	9.47	20		
3,3-Dichlorobenzidine	42.8	10	µg/L	50.0		85.6	40-140	5.13	20		
2,4-Dichlorophenol	35.2	10	µg/L	50.0		70.4	30-130	7.00	20		
Diethylphthalate	35.7	10	µg/L	50.0		71.5	40-140	1.07	20		
2,4-Dimethylphenol	33.2	10	µg/L	50.0		66.3	30-130	4.47	20		
Dimethylphthalate	36.9	10	µg/L	50.0		73.8	40-140	0.898	50		‡
4,6-Dinitro-2-methylphenol	54.0	10	µg/L	50.0		108	30-130	6.12	50	V-04, V-06	‡
2,4-Dinitrophenol	48.7	10	µg/L	50.0		97.3	30-130	2.29	50	V-04, V-06	‡
2,4-Dinitrotoluene	38.7	10	µg/L	50.0		77.4	40-140	1.27	20		
2,6-Dinitrotoluene	40.8	10	µg/L	50.0		81.5	40-140	1.78	20		
Di-n-octylphthalate	43.6	10	µg/L	50.0		87.2	40-140	3.43	20		
1,2-Diphenylhydrazine/Azobenzene	34.5	10	µg/L	50.0		68.9	40-140	2.47	20		
Fluoranthene	38.5	5.0	µg/L	50.0		76.9	40-140	5.67	20		
Fluorene	33.5	5.0	µg/L	50.0		67.0	40-140	2.75	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B311538 - SW-846 3510C												
LCS Dup (B311538-BSD1)				Prepared: 06/24/22 Analyzed: 06/27/22								
Hexachlorobenzene	34.6	10	µg/L	50.0		69.1		40-140	6.30	20		
Hexachlorobutadiene	25.4	10	µg/L	50.0		50.9		40-140	10.8	20		
Hexachlorocyclopentadiene	24.2	10	µg/L	50.0		48.3		30-140	11.1	50		† ‡
Hexachloroethane	21.8	10	µg/L	50.0		43.6		40-140	10.4	50		‡
Indeno(1,2,3-cd)pyrene	42.1	5.0	µg/L	50.0		84.2		40-140	2.99	50		‡
Isophorone	35.0	10	µg/L	50.0		70.1		40-140	5.36	20		
1-Methylnaphthalene	27.5	5.0	µg/L	50.0		55.1		40-140	8.32	20		
2-Methylnaphthalene	32.1	5.0	µg/L	50.0		64.3		40-140	8.37	20		
2-Methylphenol	28.6	10	µg/L	50.0		57.3		30-130	2.44	20		
3/4-Methylphenol	26.6	10	µg/L	50.0		53.1		30-130	1.94	20		
Naphthalene	29.0	5.0	µg/L	50.0		58.0		40-140	8.19	20		
2-Nitroaniline	38.0	10	µg/L	50.0		76.0		40-140	2.83	20		
3-Nitroaniline	39.3	10	µg/L	50.0		78.6		40-140	1.01	20		
4-Nitroaniline	40.3	10	µg/L	50.0		80.6		40-140	0.898	20		
Nitrobenzene	31.5	10	µg/L	50.0		62.9		40-140	5.52	20		
2-Nitrophenol	38.8	10	µg/L	50.0		77.6		30-130	7.44	20		
4-Nitrophenol	22.0	10	µg/L	50.0		43.9		10-130	1.36	50		† ‡
N-Nitrosodimethylamine	18.8	10	µg/L	50.0		**37.5**	*	40-140	3.92	20	L-04	
N-Nitrosodiphenylamine/Diphenylamine	36.8	10	µg/L	50.0		73.6		40-140	5.62	20		
N-Nitrosodi-n-propylamine	32.0	10	µg/L	50.0		64.0		40-140	3.24	20		
Pentachloronitrobenzene	36.0	10	µg/L	50.0		72.0		40-140	3.93	20		
Pentachlorophenol	35.2	10	µg/L	50.0		70.4		30-130	7.70	50		‡
Phenanthrene	36.0	5.0	µg/L	50.0		71.9		40-140	4.67	20		
Phenol	14.1	10	µg/L	50.0		28.3		20-130	2.58	20		†
Pyrene	39.3	5.0	µg/L	50.0		78.5		40-140	3.42	20		
Pyridine	12.7	5.0	µg/L	50.0		25.4		10-140	1.02	50		† ‡
1,2,4,5-Tetrachlorobenzene	29.3	10	µg/L	50.0		58.7		40-140	5.18	20		
1,2,4-Trichlorobenzene	26.7	5.0	µg/L	50.0		53.4		40-140	9.78	20		
2,4,5-Trichlorophenol	36.0	10	µg/L	50.0		72.0		30-130	3.02	20		
2,4,6-Trichlorophenol	35.2	10	µg/L	50.0		70.3		30-130	2.86	50		‡
Surrogate: 2-Fluorophenol	*78.4*		µg/L	200		39.2		15-110				
Surrogate: Phenol-d6	*55.8*		µg/L	200		27.9		15-110				
Surrogate: Nitrobenzene-d5	*92.1*		µg/L	100		92.1		30-130				
Surrogate: 2-Fluorobiphenyl	*71.6*		µg/L	100		71.6		30-130				
Surrogate: 2,4,6-Tribromophenol	*144*		µg/L	200		71.8		15-110				
Surrogate: p-Terphenyl-d14	*84.0*		µg/L	100		84.0		30-130				
Matrix Spike (B311538-MS1)		**Source: 22F0782-05RE1**		Prepared: 06/24/22 Analyzed: 06/27/22								
Acenaphthene	26.6	4.9	µg/L	49.0	ND	54.2		40-140				
Acenaphthylene	25.6	4.9	µg/L	49.0	ND	52.2		40-140				
Acetophenone	20.9	9.8	µg/L	49.0	ND	42.5		40-140				
Aniline	2.44	4.9	µg/L	49.0	ND	**4.98**	*	40-140			MS-09, J	
Anthracene	31.7	4.9	µg/L	49.0	ND	64.6		40-140				
Benzidine	ND	20	µg/L	49.0	ND		*	40-140			MS-09, V-35	
Benzo(a)anthracene	34.1	4.9	µg/L	49.0	ND	69.6		40-140				
Benzo(a)pyrene	33.0	4.9	µg/L	49.0	ND	67.2		40-140				
Benzo(b)fluoranthene	34.6	4.9	µg/L	49.0	ND	70.5		40-140				
Benzo(g,h,i)perylene	38.1	4.9	µg/L	49.0	ND	77.8		40-140				
Benzo(k)fluoranthene	37.1	4.9	µg/L	49.0	ND	75.6		40-140				
Benzoic Acid	21.8	9.8	µg/L	49.0	ND	44.4		40-140				
Bis(2-chloroethoxy)methane	26.0	9.8	µg/L	49.0	ND	53.1		40-140				
Bis(2-chloroethyl)ether	19.7	9.8	µg/L	49.0	ND	40.3		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B311538 - SW-846 3510C											
Matrix Spike (B311538-MS1)	**Source: 22F0782-05RE1**			Prepared: 06/24/22 Analyzed: 06/27/22							
Bis(2-chloroisopropyl)ether	20.5	9.8	µg/L	49.0	ND	41.8		40-140			
Bis(2-Ethylhexyl)phthalate	37.9	9.8	µg/L	49.0	ND	77.3		40-140			
4-Bromophenylphenylether	30.3	9.8	µg/L	49.0	ND	61.9		40-140			
Butylbenzylphthalate	38.3	9.8	µg/L	49.0	ND	78.1		40-140			
Carbazole	33.0	9.8	µg/L	49.0	ND	67.3		40-140			
4-Chloroaniline	1.67	9.8	µg/L	49.0	ND	**3.40**	*	40-140			V-34, J
4-Chloro-3-methylphenol	25.8	9.8	µg/L	49.0	ND	52.7		30-130			
2-Chloronaphthalene	21.7	9.8	µg/L	49.0	ND	44.3		40-140			
2-Chlorophenol	18.5	9.8	µg/L	49.0	ND	37.7		30-130			
4-Chlorophenylphenylether	28.9	9.8	µg/L	49.0	ND	58.9		40-140			
Chrysene	33.4	4.9	µg/L	49.0	ND	68.2		40-140			
Dibenz(a,h)anthracene	38.6	4.9	µg/L	49.0	ND	78.7		40-140			
Dibenzofuran	27.7	4.9	µg/L	49.0	ND	56.5		40-140			
Di-n-butylphthalate	35.2	9.8	µg/L	49.0	ND	71.8		40-140			
1,2-Dichlorobenzene	14.4	4.9	µg/L	49.0	ND	**29.3**	*	40-140			MS-09
1,3-Dichlorobenzene	13.4	4.9	µg/L	49.0	ND	**27.2**	*	40-140			MS-09
1,4-Dichlorobenzene	13.5	4.9	µg/L	49.0	ND	**27.6**	*	40-140			MS-09
3,3-Dichlorobenzidine	2.69	9.8	µg/L	49.0	ND	**5.48**	*	40-140			MS-09, J
2,4-Dichlorophenol	25.4	9.8	µg/L	49.0	ND	51.7		30-130			
Diethylphthalate	32.5	9.8	µg/L	49.0	ND	66.3		40-140			
2,4-Dimethylphenol	4.03	9.8	µg/L	49.0	ND	**8.22**	*	30-130			MS-09, J
Dimethylphthalate	33.8	9.8	µg/L	49.0	ND	69.0		40-140			
4,6-Dinitro-2-methylphenol	48.4	9.8	µg/L	49.0	ND	98.8		30-130			V-04, V-06
2,4-Dinitrophenol	44.9	9.8	µg/L	49.0	ND	91.5		30-130			V-04, V-06
2,4-Dinitrotoluene	35.2	9.8	µg/L	49.0	ND	71.8		40-140			
2,6-Dinitrotoluene	35.7	9.8	µg/L	49.0	ND	72.9		40-140			
Di-n-octylphthalate	39.7	9.8	µg/L	49.0	ND	81.1		40-140			
1,2-Diphenylhydrazine/Azobenzene	28.5	9.8	µg/L	49.0	ND	58.2		40-140			
Fluoranthene	34.7	4.9	µg/L	49.0	ND	70.8		40-140			
Fluorene	28.4	4.9	µg/L	49.0	ND	58.0		40-140			
Hexachlorobenzene	29.6	9.8	µg/L	49.0	ND	60.4		40-140			
Hexachlorobutadiene	17.5	9.8	µg/L	49.0	ND	**35.7**	*	40-140			MS-22
Hexachlorocyclopentadiene	21.3	9.8	µg/L	49.0	ND	43.5		30-130			
Hexachloroethane	13.3	9.8	µg/L	49.0	ND	**27.1**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	39.6	4.9	µg/L	49.0	ND	80.9		40-140			
Isophorone	26.9	9.8	µg/L	49.0	ND	54.8		40-140			
1-Methylnaphthalene	20.5	4.9	µg/L	49.0	ND	41.8		40-140			
2-Methylnaphthalene	24.1	4.9	µg/L	49.0	ND	49.2		40-140			
2-Methylphenol	10.6	9.8	µg/L	49.0	ND	**21.7**	*	30-130			MS-09
3/4-Methylphenol	11.3	9.8	µg/L	49.0	ND	**23.1**	*	30-130			MS-09
Naphthalene	20.2	4.9	µg/L	49.0	ND	41.2		40-140			
2-Nitroaniline	33.8	9.8	µg/L	49.0	ND	69.0		40-140			
3-Nitroaniline	33.4	9.8	µg/L	49.0	ND	68.2		40-140			
4-Nitroaniline	37.1	9.8	µg/L	49.0	ND	75.7		40-140			
Nitrobenzene	21.2	9.8	µg/L	49.0	ND	43.2		40-140			
2-Nitrophenol	26.5	9.8	µg/L	49.0	ND	54.0		30-130			
4-Nitrophenol	21.5	9.8	µg/L	49.0	ND	43.9		30-130			
N-Nitrosodimethylamine	14.4	9.8	µg/L	49.0	ND	**29.4**	*	40-140			MS-09
N-Nitrosodiphenylamine/Diphenylamine	22.1	9.8	µg/L	49.0	ND	45.1		40-140			
N-Nitrosodi-n-propylamine	23.7	9.8	µg/L	49.0	ND	48.4		40-140			
Pentachloronitrobenzene	32.7	9.8	µg/L	49.0	ND	66.8		40-140			
Pentachlorophenol	31.3	9.8	µg/L	49.0	ND	63.8		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B311538 - SW-846 3510C												
Matrix Spike (B311538-MS1)	**Source: 22F0782-05RE1**			Prepared: 06/24/22 Analyzed: 06/27/22								
Phenanthrene	31.7	4.9	µg/L	49.0	ND	64.7		40-140				
Phenol	9.37	9.8	µg/L	49.0	ND	**19.1**	*	30-130				MS-09, J
Pyrene	35.4	4.9	µg/L	49.0	ND	72.3		40-140				
Pyridine	14.4	4.9	µg/L	49.0	ND	**29.4**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	22.5	9.8	µg/L	49.0	ND	45.9		40-140				
1,2,4-Trichlorobenzene	18.3	4.9	µg/L	49.0	ND	**37.4**	*	40-140				MS-22
2,4,5-Trichlorophenol	30.3	9.8	µg/L	49.0	ND	61.8		30-130				
2,4,6-Trichlorophenol	28.1	9.8	µg/L	49.0	ND	57.3		30-130				
Surrogate: 2-Fluorophenol	*46.7*		µg/L	196		23.8		15-110				
Surrogate: Phenol-d6	*38.3*		µg/L	196		19.5		15-110				
Surrogate: Nitrobenzene-d5	*62.5*		µg/L	98.0		63.7		30-130				
Surrogate: 2-Fluorobiphenyl	*54.3*		µg/L	98.0		55.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*117*		µg/L	196		59.7		15-110				
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	98.0		81.8		30-130				
Matrix Spike Dup (B311538-MSD1)	**Source: 22F0782-05RE1**			Prepared: 06/24/22 Analyzed: 06/27/22								
Acenaphthene	26.1	4.9	µg/L	49.0	ND	53.2		40-140	1.86		30	
Acenaphthylene	25.4	4.9	µg/L	49.0	ND	51.8		40-140	0.923		30	
Acetophenone	22.6	9.8	µg/L	49.0	ND	46.1		40-140	7.99		30	
Aniline	2.89	4.9	µg/L	49.0	ND	**5.90**	*	40-140	16.9		30	MS-09, J
Anthracene	28.5	4.9	µg/L	49.0	ND	58.0		40-140	10.7		30	
Benzidine	ND	20	µg/L	49.0	ND		*	40-140			30	MS-09, V-35
Benzo(a)anthracene	30.1	4.9	µg/L	49.0	ND	61.5		40-140	12.4		30	
Benzo(a)pyrene	29.2	4.9	µg/L	49.0	ND	59.7		40-140	11.9		30	
Benzo(b)fluoranthene	30.4	4.9	µg/L	49.0	ND	62.1		40-140	12.7		30	
Benzo(g,h,i)perylene	33.6	4.9	µg/L	49.0	ND	68.6		40-140	12.5		30	
Benzo(k)fluoranthene	32.5	4.9	µg/L	49.0	ND	66.3		40-140	13.1		30	
Benzoic Acid	20.5	9.8	µg/L	49.0	ND	41.8		40-140	6.03		30	
Bis(2-chloroethoxy)methane	26.0	9.8	µg/L	49.0	ND	53.1		40-140	0.0753		30	
Bis(2-chloroethyl)ether	22.0	9.8	µg/L	49.0	ND	44.8		40-140	10.7		30	
Bis(2-chloroisopropyl)ether	23.0	9.8	µg/L	49.0	ND	46.8		40-140	11.4		30	
Bis(2-Ethylhexyl)phthalate	32.7	9.8	µg/L	49.0	ND	66.7		40-140	14.7		30	
4-Bromophenylphenylether	28.5	9.8	µg/L	49.0	ND	58.2		40-140	6.09		30	
Butylbenzylphthalate	33.8	9.8	µg/L	49.0	ND	68.9		40-140	12.6		30	
Carbazole	29.1	9.8	µg/L	49.0	ND	59.3		40-140	12.6		30	
4-Chloroaniline	2.27	9.8	µg/L	49.0	ND	**4.64**	*	40-140	**30.8**	*	30	MS-09, R-06, V-34, J
4-Chloro-3-methylphenol	24.7	9.8	µg/L	49.0	ND	50.3		30-130	4.70		30	
2-Chloronaphthalene	22.4	9.8	µg/L	49.0	ND	45.7		40-140	3.20		30	
2-Chlorophenol	20.2	9.8	µg/L	49.0	ND	41.2		30-130	8.97		30	
4-Chlorophenylphenylether	27.8	9.8	µg/L	49.0	ND	56.6		40-140	3.95		30	
Chrysene	29.4	4.9	µg/L	49.0	ND	59.9		40-140	13.0		30	
Dibenz(a,h)anthracene	33.5	4.9	µg/L	49.0	ND	68.4		40-140	14.0		30	
Dibenzofuran	27.1	4.9	µg/L	49.0	ND	55.4		40-140	2.07		30	
Di-n-butylphthalate	30.7	9.8	µg/L	49.0	ND	62.7		40-140	13.6		30	
1,2-Dichlorobenzene	16.4	4.9	µg/L	49.0	ND	**33.4**	*	40-140	12.9		30	MS-09
1,3-Dichlorobenzene	15.2	4.9	µg/L	49.0	ND	**31.0**	*	40-140	13.0		30	MS-09
1,4-Dichlorobenzene	15.4	4.9	µg/L	49.0	ND	**31.3**	*	40-140	12.6		30	MS-09
3,3-Dichlorobenzidine	2.90	9.8	µg/L	49.0	ND	**5.92**	*	40-140	7.72		30	MS-09, J
2,4-Dichlorophenol	25.4	9.8	µg/L	49.0	ND	51.8		30-130	0.232		30	
Diethylphthalate	29.5	9.8	µg/L	49.0	ND	60.3		40-140	9.61		30	
2,4-Dimethylphenol	4.69	9.8	µg/L	49.0	ND	**9.56**	*	30-130	15.1		30	MS-09, J
Dimethylphthalate	30.4	9.8	µg/L	49.0	ND	62.0		40-140	10.7		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B311538 - SW-846 3510C											
Matrix Spike Dup (B311538-MSD1)	**Source: 22F0782-05RE1**			Prepared: 06/24/22 Analyzed: 06/27/22							
4,6-Dinitro-2-methylphenol	41.6	9.8	µg/L	49.0	ND	84.9		30-130	15.1	30	V-04, V-06
2,4-Dinitrophenol	40.7	9.8	µg/L	49.0	ND	83.1		30-130	9.67	30	V-04, V-06
2,4-Dinitrotoluene	32.1	9.8	µg/L	49.0	ND	65.5		40-140	9.14	30	
2,6-Dinitrotoluene	32.9	9.8	µg/L	49.0	ND	67.1		40-140	8.17	30	
Di-n-octylphthalate	35.5	9.8	µg/L	49.0	ND	72.5		40-140	11.2	30	
1,2-Diphenylhydrazine/Azobenzene	26.9	9.8	µg/L	49.0	ND	54.9		40-140	5.84	30	
Fluoranthene	30.4	4.9	µg/L	49.0	ND	61.9		40-140	13.4	30	
Fluorene	27.0	4.9	µg/L	49.0	ND	55.0		40-140	5.31	30	
Hexachlorobenzene	26.9	9.8	µg/L	49.0	ND	54.8		40-140	9.69	30	
Hexachlorobutadiene	19.7	9.8	µg/L	49.0	ND	40.1		40-140	11.6	30	
Hexachlorocyclopentadiene	23.7	9.8	µg/L	49.0	ND	48.3		30-130	10.5	30	
Hexachloroethane	15.3	9.8	µg/L	49.0	ND	**31.3**	*	40-140	14.4	30	MS-09
Indeno(1,2,3-cd)pyrene	35.3	4.9	µg/L	49.0	ND	72.0		40-140	11.6	30	
Isophorone	26.7	9.8	µg/L	49.0	ND	54.5		40-140	0.585	30	
1-Methylnaphthalene	21.5	4.9	µg/L	49.0	ND	43.9		40-140	4.76	30	
2-Methylnaphthalene	25.0	4.9	µg/L	49.0	ND	51.1		40-140	3.83	30	
2-Methylphenol	12.2	9.8	µg/L	49.0	ND	**24.9**	*	30-130	13.7	30	MS-09
3/4-Methylphenol	12.2	9.8	µg/L	49.0	ND	**24.9**	*	30-130	7.83	30	MS-09
Naphthalene	21.7	4.9	µg/L	49.0	ND	44.3		40-140	7.39	30	
2-Nitroaniline	31.4	9.8	µg/L	49.0	ND	64.0		40-140	7.46	30	
3-Nitroaniline	30.7	9.8	µg/L	49.0	ND	62.6		40-140	8.47	30	
4-Nitroaniline	33.0	9.8	µg/L	49.0	ND	67.4		40-140	11.5	30	
Nitrobenzene	23.4	9.8	µg/L	49.0	ND	47.6		40-140	9.78	30	
2-Nitrophenol	28.1	9.8	µg/L	49.0	ND	57.4		30-130	6.14	30	
4-Nitrophenol	18.2	9.8	µg/L	49.0	ND	37.1		30-130	16.8	30	
N-Nitrosodimethylamine	15.3	9.8	µg/L	49.0	ND	**31.2**	*	40-140	6.00	30	MS-09
N-Nitrosodiphenylamine/Diphenylamine	20.5	9.8	µg/L	49.0	ND	41.8		40-140	7.60	30	
N-Nitrosodi-n-propylamine	24.5	9.8	µg/L	49.0	ND	50.0		40-140	3.29	30	
Pentachloronitrobenzene	29.1	9.8	µg/L	49.0	ND	59.3		40-140	11.8	30	
Pentachlorophenol	26.4	9.8	µg/L	49.0	ND	53.8		30-130	17.0	30	
Phenanthrene	28.5	4.9	µg/L	49.0	ND	58.2		40-140	10.6	30	
Phenol	9.66	9.8	µg/L	49.0	ND	**19.7**	*	30-130	2.99	30	MS-09, J
Pyrene	31.4	4.9	µg/L	49.0	ND	64.1		40-140	11.9	30	
Pyridine	14.7	4.9	µg/L	49.0	ND	**30.0**	*	40-140	1.89	30	MS-09
1,2,4,5-Tetrachlorobenzene	23.3	9.8	µg/L	49.0	ND	47.5		40-140	3.51	30	
1,2,4-Trichlorobenzene	20.1	4.9	µg/L	49.0	ND	41.1		40-140	9.53	30	
2,4,5-Trichlorophenol	28.7	9.8	µg/L	49.0	ND	58.5		30-130	5.45	30	
2,4,6-Trichlorophenol	26.7	9.8	µg/L	49.0	ND	54.4		30-130	5.23	30	
Surrogate: 2-Fluorophenol	*51.1*		µg/L	196		26.1		15-110			
Surrogate: Phenol-d6	*38.8*		µg/L	196		19.8		15-110			
Surrogate: Nitrobenzene-d5	*68.5*		µg/L	98.0		69.9		30-130			
Surrogate: 2-Fluorobiphenyl	*56.6*		µg/L	98.0		57.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*108*		µg/L	196		55.0		15-110			
Surrogate: p-Terphenyl-d14	*68.6*		µg/L	98.0		69.9		30-130			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311019 - SW-846 3005A										
Blank (B311019-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B311019-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.478	0.050	mg/L	0.500		95.6	80-120			
Antimony	0.457	0.050	mg/L	0.500		91.5	80-120			
Arsenic	0.448	0.010	mg/L	0.500		89.6	80-120			
Barium	0.485	0.050	mg/L	0.500		96.9	80-120			
Beryllium	0.485	0.0040	mg/L	0.500		97.0	80-120			
Cadmium	0.469	0.0040	mg/L	0.500		93.8	80-120			
Calcium	3.87	0.50	mg/L	4.00		96.7	80-120			
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120			
Cobalt	0.483	0.010	mg/L	0.500		96.7	80-120			
Copper	0.967	0.010	mg/L	1.00		96.7	80-120			
Iron	3.90	0.050	mg/L	4.00		97.5	80-120			
Lead	0.491	0.010	mg/L	0.500		98.1	80-120			
Magnesium	3.82	0.050	mg/L	4.00		95.5	80-120			
Manganese	0.480	0.010	mg/L	0.500		96.0	80-120			
Nickel	0.511	0.010	mg/L	0.500		102	80-120			
Potassium	3.84	2.0	mg/L	4.00		96.1	80-120			
Selenium	0.462	0.050	mg/L	0.500		92.3	80-120			
Silver	0.491	0.010	mg/L	0.500		98.3	80-120			
Sodium	3.94	2.0	mg/L	4.00		98.4	80-120			
Thallium	0.463	0.050	mg/L	0.500		92.6	80-120			
Vanadium	0.477	0.010	mg/L	0.500		95.5	80-120			
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311019 - SW-846 3005A										
LCS Dup (B311019-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.482	0.050	mg/L	0.500		96.4	80-120	0.846	20	
Antimony	0.459	0.050	mg/L	0.500		91.8	80-120	0.409	20	
Arsenic	0.450	0.010	mg/L	0.500		90.0	80-120	0.439	20	
Barium	0.485	0.050	mg/L	0.500		97.0	80-120	0.0915	20	
Beryllium	0.491	0.0040	mg/L	0.500		98.2	80-120	1.15	20	
Cadmium	0.472	0.0040	mg/L	0.500		94.4	80-120	0.624	20	
Calcium	3.90	0.50	mg/L	4.00		97.6	80-120	0.867	20	
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120	0.00681	20	
Cobalt	0.486	0.010	mg/L	0.500		97.2	80-120	0.574	20	
Copper	0.950	0.010	mg/L	1.00		95.0	80-120	1.82	20	
Iron	3.95	0.050	mg/L	4.00		98.8	80-120	1.30	20	
Lead	0.495	0.010	mg/L	0.500		98.9	80-120	0.829	20	
Magnesium	3.86	0.050	mg/L	4.00		96.4	80-120	0.995	20	
Manganese	0.484	0.010	mg/L	0.500		96.9	80-120	0.932	20	
Nickel	0.490	0.010	mg/L	0.500		98.1	80-120	4.10	30	
Potassium	3.88	2.0	mg/L	4.00		97.1	80-120	1.02	20	
Selenium	0.468	0.050	mg/L	0.500		93.5	80-120	1.28	20	
Silver	0.492	0.010	mg/L	0.500		98.3	80-120	0.0442	20	
Sodium	3.99	2.0	mg/L	4.00		99.7	80-120	1.27	20	
Thallium	0.475	0.050	mg/L	0.500		95.1	80-120	2.65	20	
Vanadium	0.477	0.010	mg/L	0.500		95.4	80-120	0.0768	20	
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120	0.0388	20	
Batch B311120 - SW-846 3005A										
Blank (B311120-BLK1)				Prepared: 06/20/22 Analyzed: 06/21/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	0.0053	0.010	mg/L							J
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311120 - SW-846 3005A										
LCS (B311120-BS1)				Prepared: 06/20/22 Analyzed: 06/21/22						
Aluminum	0.501	0.050	mg/L	0.500		100	80-120			
Antimony	0.480	0.050	mg/L	0.500		96.1	80-120			
Arsenic	0.470	0.010	mg/L	0.500		94.0	80-120			
Barium	0.505	0.050	mg/L	0.500		101	80-120			
Beryllium	0.515	0.0040	mg/L	0.500		103	80-120			
Cadmium	0.486	0.0040	mg/L	0.500		97.3	80-120			
Calcium	3.98	0.50	mg/L	4.00		99.4	80-120			
Chromium	0.505	0.010	mg/L	0.500		101	80-120			
Cobalt	0.503	0.010	mg/L	0.500		101	80-120			
Copper	0.974	0.010	mg/L	1.00		97.4	80-120			
Iron	4.05	0.050	mg/L	4.00		101	80-120			
Lead	0.515	0.010	mg/L	0.500		103	80-120			
Magnesium	3.96	0.050	mg/L	4.00		99.0	80-120			
Manganese	0.496	0.010	mg/L	0.500		99.3	80-120			
Nickel	0.514	0.010	mg/L	0.500		103	80-120			
Potassium	4.00	2.0	mg/L	4.00		100	80-120			
Selenium	0.496	0.050	mg/L	0.500		99.3	80-120			
Silver	0.506	0.010	mg/L	0.500		101	80-120			
Sodium	4.17	2.0	mg/L	4.00		104	80-120			
Thallium	0.482	0.050	mg/L	0.500		96.5	80-120			
Vanadium	0.515	0.010	mg/L	0.500		103	80-120			
Zinc	1.01	0.010	mg/L	1.00		101	80-120			
LCS Dup (B311120-BSD1)				Prepared: 06/20/22 Analyzed: 06/21/22						
Aluminum	0.487	0.050	mg/L	0.500		97.4	80-120	2.75	20	
Antimony	0.483	0.050	mg/L	0.500		96.6	80-120	0.495	20	
Arsenic	0.473	0.010	mg/L	0.500		94.7	80-120	0.686	20	
Barium	0.508	0.050	mg/L	0.500		102	80-120	0.672	20	
Beryllium	0.507	0.0040	mg/L	0.500		101	80-120	1.57	20	
Cadmium	0.494	0.0040	mg/L	0.500		98.7	80-120	1.43	20	
Calcium	3.94	0.50	mg/L	4.00		98.5	80-120	0.910	20	
Chromium	0.511	0.010	mg/L	0.500		102	80-120	1.10	20	
Cobalt	0.508	0.010	mg/L	0.500		102	80-120	0.918	20	
Copper	0.982	0.010	mg/L	1.00		98.2	80-120	0.825	20	
Iron	4.03	0.050	mg/L	4.00		101	80-120	0.679	20	
Lead	0.518	0.010	mg/L	0.500		104	80-120	0.603	20	
Magnesium	3.93	0.050	mg/L	4.00		98.2	80-120	0.795	20	
Manganese	0.493	0.010	mg/L	0.500		98.7	80-120	0.604	20	
Nickel	0.516	0.010	mg/L	0.500		103	80-120	0.455	30	
Potassium	3.95	2.0	mg/L	4.00		98.7	80-120	1.45	20	
Selenium	0.500	0.050	mg/L	0.500		100	80-120	0.819	20	
Silver	0.506	0.010	mg/L	0.500		101	80-120	0.119	20	
Sodium	4.12	2.0	mg/L	4.00		103	80-120	1.12	20	
Thallium	0.488	0.050	mg/L	0.500		97.6	80-120	1.20	20	
Vanadium	0.519	0.010	mg/L	0.500		104	80-120	0.799	20	
Zinc	1.02	0.010	mg/L	1.00		102	80-120	0.478	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B311120 - SW-846 3005A											
Matrix Spike (B311120-MS1)	**Source: 22F0782-05**			Prepared: 06/20/22 Analyzed: 06/21/22							
Aluminum	8.66	0.050	mg/L	0.500	6.23	**486**	*	75-125			MS-19
Antimony	0.489	0.050	mg/L	0.500	ND	97.9		75-125			
Arsenic	0.500	0.010	mg/L	0.500	0.00826	98.4		75-125			
Barium	0.605	0.050	mg/L	0.500	0.101	101		75-125			
Beryllium	0.516	0.0040	mg/L	0.500	ND	103		75-125			
Cadmium	0.493	0.0040	mg/L	0.500	0.000868	98.5		75-125			
Calcium	76.8	0.50	mg/L	4.00	72.5	106		75-125			
Chromium	0.521	0.010	mg/L	0.500	0.0207	100		75-125			
Cobalt	0.500	0.010	mg/L	0.500	0.0107	97.9		75-125			
Copper	0.989	0.010	mg/L	1.00	0.0157	97.3		75-125			
Iron	26.1	0.050	mg/L	4.00	19.4	**168**	*	75-125			MS-19
Lead	0.496	0.010	mg/L	0.500	0.00547	98.0		75-125			
Magnesium	19.2	0.050	mg/L	4.00	15.1	101		75-125			
Manganese	6.86	0.010	mg/L	0.500	6.34	104		75-125			
Nickel	0.508	0.010	mg/L	0.500	0.0177	98.1		75-125			
Potassium	12.0	2.0	mg/L	4.00	7.86	103		75-125			
Selenium	0.496	0.050	mg/L	0.500	ND	99.1		75-125			
Silver	0.506	0.010	mg/L	0.500	ND	101		75-125			
Sodium	46.5	2.0	mg/L	4.00	42.2	106		75-125			
Thallium	0.514	0.050	mg/L	0.500	ND	103		75-125			
Vanadium	0.553	0.010	mg/L	0.500	0.0272	105		75-125			
Zinc	1.04	0.010	mg/L	1.00	0.0631	97.7		75-125			
Matrix Spike Dup (B311120-MSD1)	**Source: 22F0782-05**			Prepared: 06/20/22 Analyzed: 06/21/22							
Aluminum	7.92	0.050	mg/L	0.500	6.23	**336**	*	75-125	9.04	20	MS-19
Antimony	0.486	0.050	mg/L	0.500	ND	97.2		75-125	0.722	20	
Arsenic	0.494	0.010	mg/L	0.500	0.00826	97.2		75-125	1.27	20	
Barium	0.604	0.050	mg/L	0.500	0.101	100		75-125	0.211	20	
Beryllium	0.516	0.0040	mg/L	0.500	ND	103		75-125	0.0217	20	
Cadmium	0.492	0.0040	mg/L	0.500	0.000868	98.1		75-125	0.371	20	
Calcium	77.6	0.50	mg/L	4.00	72.5	**127**	*	75-125	1.10	20	MS-19
Chromium	0.522	0.010	mg/L	0.500	0.0207	100		75-125	0.197	20	
Cobalt	0.498	0.010	mg/L	0.500	0.0107	97.6		75-125	0.323	20	
Copper	0.990	0.010	mg/L	1.00	0.0157	97.4		75-125	0.0806	20	
Iron	24.4	0.050	mg/L	4.00	19.4	124		75-125	6.86	20	
Lead	0.495	0.010	mg/L	0.500	0.00547	97.9		75-125	0.0973	20	
Magnesium	19.2	0.050	mg/L	4.00	15.1	103		75-125	0.323	20	
Manganese	6.89	0.010	mg/L	0.500	6.34	111		75-125	0.506	20	
Nickel	0.509	0.010	mg/L	0.500	0.0177	98.3		75-125	0.142	20	
Potassium	11.9	2.0	mg/L	4.00	7.86	99.7		75-125	1.26	20	
Selenium	0.495	0.050	mg/L	0.500	ND	99.1		75-125	0.0323	20	
Silver	0.503	0.010	mg/L	0.500	ND	101		75-125	0.582	20	
Sodium	46.7	2.0	mg/L	4.00	42.2	111		75-125	0.433	20	
Thallium	0.512	0.050	mg/L	0.500	ND	102		75-125	0.339	20	
Vanadium	0.555	0.010	mg/L	0.500	0.0272	105		75-125	0.301	20	
Zinc	1.04	0.010	mg/L	1.00	0.0631	97.7		75-125	0.0489	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311554 - SW-846 7470A/7471A										
Blank (B311554-BLK1)				Prepared & Analyzed: 06/24/22						
Mercury	ND	0.00010	mg/L							
LCS (B311554-BS1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00386	0.00010	mg/L	0.00402		96.0	80-120			
LCS Dup (B311554-BSD1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00389	0.00010	mg/L	0.00402		96.8	80-120	0.843	20	
Matrix Spike (B311554-MS2)		**Source: 22F0782-05**		Prepared & Analyzed: 06/24/22						
Mercury	0.00400	0.00010	mg/L	0.00402	ND	99.6	75-125			
Matrix Spike Dup (B311554-MSD2)		**Source: 22F0782-05**		Prepared & Analyzed: 06/24/22						
Mercury	0.00349	0.00010	mg/L	0.00402	ND	86.8	75-125	13.8	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310776 - SW-846 3005A Dissolved										
Blank (B310776-BLK1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B310776-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.504	0.050	mg/L	0.500		101	80-120			
Antimony	0.460	0.050	mg/L	0.500		92.0	80-120			
Arsenic	0.459	0.010	mg/L	0.500		91.9	80-120			
Barium	0.482	0.050	mg/L	0.500		96.3	80-120			
Beryllium	0.488	0.0040	mg/L	0.500		97.5	80-120			
Cadmium	0.464	0.0040	mg/L	0.500		92.8	80-120			
Calcium	3.80	0.50	mg/L	4.00		95.0	80-120			
Chromium	0.475	0.010	mg/L	0.500		95.1	80-120			
Cobalt	0.472	0.010	mg/L	0.500		94.5	80-120			
Copper	0.939	0.010	mg/L	1.00		93.9	80-120			
Iron	4.16	0.050	mg/L	4.00		104	80-120			
Lead	0.484	0.010	mg/L	0.500		96.7	80-120			
Magnesium	3.74	0.050	mg/L	4.00		93.6	80-120			
Manganese	0.495	0.010	mg/L	0.500		99.1	80-120			
Nickel	0.474	0.010	mg/L	0.500		94.8	80-120			
Potassium	3.68	2.0	mg/L	4.00		92.1	80-120			
Selenium	0.520	0.050	mg/L	0.500		104	80-120			
Silver	0.505	0.010	mg/L	0.500		101	80-120			
Sodium	3.89	2.0	mg/L	4.00		97.3	80-120			
Thallium	0.479	0.050	mg/L	0.500		95.8	80-120			
Vanadium	0.482	0.010	mg/L	0.500		96.5	80-120			
Zinc	0.915	0.010	mg/L	1.00		91.5	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310776 - SW-846 3005A Dissolved										
LCS Dup (B310776-BSD1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.503	0.050	mg/L	0.500		101	80-120	0.330	20	
Antimony	0.472	0.050	mg/L	0.500		94.3	80-120	2.53	20	
Arsenic	0.476	0.010	mg/L	0.500		95.2	80-120	3.55	20	
Barium	0.491	0.050	mg/L	0.500		98.2	80-120	1.91	20	
Beryllium	0.494	0.0040	mg/L	0.500		98.8	80-120	1.24	20	
Cadmium	0.475	0.0040	mg/L	0.500		95.0	80-120	2.34	20	
Calcium	3.87	0.50	mg/L	4.00		96.7	80-120	1.82	20	
Chromium	0.485	0.010	mg/L	0.500		97.0	80-120	1.99	20	
Cobalt	0.483	0.010	mg/L	0.500		96.6	80-120	2.19	20	
Copper	0.960	0.010	mg/L	1.00		96.0	80-120	2.16	20	
Iron	4.15	0.050	mg/L	4.00		104	80-120	0.0544	20	
Lead	0.499	0.010	mg/L	0.500		99.7	80-120	3.06	20	
Magnesium	3.79	0.050	mg/L	4.00		94.7	80-120	1.20	20	
Manganese	0.499	0.010	mg/L	0.500		99.9	80-120	0.778	20	
Nickel	0.485	0.010	mg/L	0.500		97.0	80-120	2.30	20	
Potassium	3.72	2.0	mg/L	4.00		92.9	80-120	0.877	20	
Selenium	0.527	0.050	mg/L	0.500		105	80-120	1.46	20	
Silver	0.508	0.010	mg/L	0.500		102	80-120	0.630	20	
Sodium	3.93	2.0	mg/L	4.00		98.2	80-120	0.988	20	
Thallium	0.495	0.050	mg/L	0.500		98.9	80-120	3.25	20	
Vanadium	0.493	0.010	mg/L	0.500		98.6	80-120	2.23	20	
Zinc	0.928	0.010	mg/L	1.00		92.8	80-120	1.39	20	
Duplicate (B310776-DUP1)		**Source: 22F0782-05**		Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.0560	0.050	mg/L		ND			NC	20	R-04
Antimony	ND	0.050	mg/L		ND			NC	20	
Arsenic	ND	0.010	mg/L		ND			NC	20	
Barium	ND	0.050	mg/L		ND			NC	20	
Beryllium	ND	0.0040	mg/L		ND			NC	20	
Cadmium	ND	0.0040	mg/L		ND			NC	20	
Calcium	68.3	0.50	mg/L		67.9			0.534	20	
Chromium	ND	0.010	mg/L		ND			NC	20	
Cobalt	ND	0.010	mg/L		ND			NC	20	
Copper	ND	0.010	mg/L		ND			NC	20	
Iron	0.0860	0.050	mg/L		ND			NC	20	R-04
Lead	ND	0.010	mg/L		ND			NC	20	
Magnesium	12.5	0.050	mg/L		12.4			1.00	20	
Manganese	7.00	0.010	mg/L		6.95			0.651	20	
Nickel	ND	0.010	mg/L		ND			NC	20	
Potassium	6.44	2.0	mg/L		6.30			2.18	20	
Selenium	ND	0.050	mg/L		ND			NC	20	
Silver	ND	0.010	mg/L		ND			NC	20	
Sodium	33.4	2.0	mg/L		33.2			0.496	20	
Thallium	ND	0.050	mg/L		ND			NC	20	
Vanadium	ND	0.010	mg/L		ND			NC	20	
Zinc	0.0101	0.010	mg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310776 - SW-846 3005A Dissolved										
Matrix Spike (B310776-MS1)		**Source: 22F0782-05**		Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.539	0.050	mg/L	0.500	0.0365	101	75-125			
Antimony	0.484	0.050	mg/L	0.500	ND	96.7	75-125			
Arsenic	0.481	0.010	mg/L	0.500	ND	96.2	75-125			
Barium	0.532	0.050	mg/L	0.500	0.0394	98.6	75-125			
Beryllium	0.505	0.0040	mg/L	0.500	ND	101	75-125			
Cadmium	0.486	0.0040	mg/L	0.500	ND	97.2	75-125			
Calcium	72.1	0.50	mg/L	4.00	67.9	103	75-125			
Chromium	0.491	0.010	mg/L	0.500	ND	98.3	75-125			
Cobalt	0.474	0.010	mg/L	0.500	ND	94.8	75-125			
Copper	0.978	0.010	mg/L	1.00	ND	97.8	75-125			
Iron	4.44	0.050	mg/L	4.00	0.0469	110	75-125			
Lead	0.480	0.010	mg/L	0.500	ND	95.9	75-125			
Magnesium	16.4	0.050	mg/L	4.00	12.4	101	75-125			
Manganese	7.57	0.010	mg/L	0.500	6.95	123	75-125			
Nickel	0.475	0.010	mg/L	0.500	ND	94.9	75-125			
Potassium	10.4	2.0	mg/L	4.00	6.30	103	75-125			
Selenium	0.553	0.050	mg/L	0.500	0.0129	108	75-125			
Silver	0.533	0.010	mg/L	0.500	ND	107	75-125			
Sodium	37.3	2.0	mg/L	4.00	33.2	102	75-125			
Thallium	0.487	0.050	mg/L	0.500	ND	97.5	75-125			
Vanadium	0.513	0.010	mg/L	0.500	0.00615	101	75-125			
Zinc	0.937	0.010	mg/L	1.00	0.00848	92.9	75-125			
Batch B311581 - SW-846 7470A Dissolved										
Blank (B311581-BLK1)				Prepared & Analyzed: 06/24/22						
Mercury	ND	0.00010	mg/L							
LCS (B311581-BS1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00397	0.00010	mg/L	0.00402		98.8	80-120			
LCS Dup (B311581-BSD1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00404	0.00010	mg/L	0.00402		101	80-120	1.68	20	
Matrix Spike (B311581-MS1)		**Source: 22F0782-05**		Prepared & Analyzed: 06/24/22						
Mercury	0.00395	0.00010	mg/L	0.00402	ND	98.3	75-125			
Matrix Spike Dup (B311581-MSD1)		**Source: 22F0782-05**		Prepared & Analyzed: 06/24/22						
Mercury	0.00385	0.00010	mg/L	0.00402	ND	95.7	75-125	2.62	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310967 - SM21-23 4500 CN E										
Blank (B310967-BLK1)				Prepared & Analyzed: 06/17/22						
Cyanide	ND	0.010	mg/L							
LCS (B310967-BS1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.4	75.5-121			E
LCS Dup (B310967-BSD1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.7	75.5-121	0.262	10.2	E
Matrix Spike (B310967-MS1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/17/22						
Cyanide	0.37	0.010	mg/L	0.386	0.0060	94.3	31.6-149			
Matrix Spike Dup (B310967-MSD1)	**Source: 22F0782-05**			Prepared & Analyzed: 06/17/22						
Cyanide	0.38	0.010	mg/L	0.386	0.0060	96.1	31.6-149	1.89	28.4	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
H-06	Sample was extracted past the recommended holding time.
H-16	Initial analysis within holding time. Reanalysis to confirm matrix effect was past holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-09	Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits in initial analysis. Initial data is reported since confirmation analysis also had unacceptable surrogate, confirming matrix interference.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NY,NH,ME,VA,NC
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,NC,VA
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	MA,NY,CT,NH,NC,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,NC,VA
Cobalt	CT,NH,NY,NC,ME,VA
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Magnesium	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,NC,VA
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,NC,VA
Sodium	CT,NH,NY,NC,ME,VA
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,RI,NC,VA
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,VA,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8270E in Soil	
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®

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Fax: 612-607-6344

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Doc # 380 Rev 1_03242017

22F0782

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Class & Rom. / NYSDEC

Address: 225 Atlantic Ave

Phone: (631)-447-6400 x155

Project Name: Crown Lyman

Project Location: Glen Cove, NY

Project Number: NYSDEC Site # 130064

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC EQuIS EDDs
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	ANALYSIS REQUESTED: VOCs 8260	SVOCs 8270	TAL Metals 6010	Cyanide 9012	Dissolved TAL Metals 6010
								H	H	N	X	N			
								V	A	P	P	P			
1	MW-21D-06082022	↑	0920		X	GW	U.	2	2	1	1	1			
2	MW-22RD-06082022		1640		X	GW	U.	2	2	1	1	X			
3	MW-22RS-06082022		1000		X	GW	U.	2	2	1	1	1			
4	MW-7RS-06082022	JUN	1135		X	GW	U.	2	2	1	1	X			
5	MW-7RD-06082022	08	1230		X	GW	U.	2	2	1	1	1			
1	MW-7RD-06082022-MS		1230		X	GW	U.	2	2	1	1	1			
	MW-7RD-06082022-MSD	↓	1230		X	GW	U.	2	2	1	1	1			

Comments: Cat. B deliverables, email deliverables to Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Smith (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	1500 8 JUN 22
Received by: (signature)	Date/Time:
EAR - FEDEX	1500 8 Jun 22
Relinquished by: (signature)	Date/Time:
	6-9-22
Received by: (signature)	Date/Time:
	1500
Relinquished by: (signature)	Date/Time:
	6-9-22 1715
Received by: (signature)	Date/Time:
Fedex Ground	6/10/22 1865

2.6/32

Program & Regulatory Information
- ☐ AWQ STDS
- ☐ NY TOGS
- ☐ NYC Sewer Discharge
- ☐ NY CP-51
- ☐ Part 360 GW (Landfill)
- ☐ NY Restricted Use
- ☐ NY Unrestricted Use
- ☐ NY Part 375

Deliverables
- ☐ Enhanced Data Package
- ☒ NYSDEC EQuIS EDD
- ☐ EQuIS (Standard) EDD
- ☐ NY Regulatory EDD
- ☐ NY Regs Hits-Only EDD

Other: NELAC and AIHA-LAP, LLC Accredited

Other
- ☐ Chromatogram
- ☐ AIHA-LAP,LLC

Project Entity
- ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
- ☐ Federal ☐ 21 J ☐ School
- ☐ City ☐ Brownfield ☐ MBTA

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

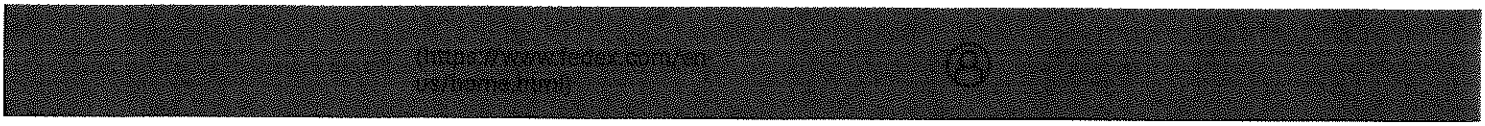
[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

PCB ONLY
- ☐ Soxhlet
- ☐ Non Soxhlet

Table of Contents



FedEx® Tracking

584490588420

ADD NICKNAME

Delivered
Saturday, 6/11/2022 at 10:20 am

SHIPMENT IS 1 OF 4 PIECES

DELIVERED

Signed for by: L.LIONEL

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
MELVILLE, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

4 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
584490588409 (master)	Delivered	6/10/22	6/11/22	0	MELVILLE NY	EAST LONGMEADOW MA
584490588410	Delivered	6/10/22	6/11/22	0	MELVILLE NY	EAST LONGMEADOW MA
584490588420	Delivered	6/10/22	6/11/22	0	MELVILLE NY	EAST LONGMEADOW MA
584490588431	Delivered	6/10/22	6/11/22	0	MELVILLE NY	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Pace

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NY EAC

Received By US Date 6/11 Time 1020

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 5 Actual Temp - 2.6, 3.2

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name F

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	14	1 Liter Plastic		16 oz Amb.	
HCL-	14	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	19	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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August 10, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glencove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22F0868

Enclosed are results of analyses for samples as received by the laboratory on June 14, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 8/10/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F0868

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glencove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-23S-06102022	22F0868-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-23D-06102022	22F0868-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1D-06102022	22F0868-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1DD-06102022	22F0868-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-X-06102022	22F0868-05	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1-06102022	22F0868-06	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISION: Sample IDs have been updated to reflect the updated COC provided by client. KKS 8/10/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SM21-23 4500 CN E

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Cyanide
B310967-BS1, B310967-BSD1

SW-846 8260D

Qualifications:

DL-01

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022]

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane
B310724-BSD1

Chloromethane
B310724-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-06[MW-1-06102022]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1
Chloromethane
22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1
Naphthalene
22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B310724-BS1, B310724-BSD1, S072823-CCV1

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V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1

Chloromethane

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310724-BLK1, B310724-BS1, B310724-BSD1, S072823-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachloroethane

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,3-Dichlorobenzene

B310961-BS1

1,4-Dichlorobenzene

B310961-BS1

Benzidine

B310961-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene

B310961-BS1

Hexachlorobutadiene

B310961-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B310961-BLK1, B310961-BS1, B310961-BSD1

1,2-Dichlorobenzene

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BSD1

2-Nitrophenol

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

Acetophenone

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

Bis(2-chloroethyl)ether

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

Bis(2-chloroisopropyl)ether

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

Hexachlorobutadiene

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BSD1

Nitrobenzene

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1

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V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1, S073042-CCV1, S073269-CCV1

4,6-Dinitro-2-methylphenol

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1, S073042-CCV1, S073269-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], S073269-CCV1

N-Nitrosodimethylamine

S073269-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

S073269-CCV1

4,6-Dinitro-2-methylphenol

S073269-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022]

4,6-Dinitro-2-methylphenol

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022]

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

22F0868-01[MW-23S-06102022], 22F0868-02[MW-23D-06102022], 22F0868-03[MW-1D-06102022], 22F0868-04[MW-1DD-06102022], 22F0868-05[MW-X-06102022], 22F0868-06[MW-1-06102022], B310961-BLK1, B310961-BS1, B310961-BSD1, S073042-CCV1, S073269-CCV1, S074726-ICV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

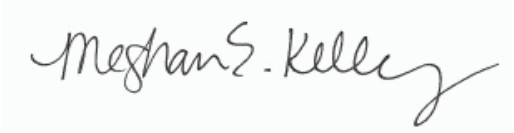
S074726-ICV1

Benzidine

B310961-BLK1, B310961-BS1, B310961-BSD1, S073042-CCV1, S073269-CCV1, S074726-ICV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Management Supervisor

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
cis-1,2-Dichloroethylene	310	2.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
trans-1,2-Dichloroethylene	1.9	2.0	0.34	µg/L	2	J	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Naphthalene	ND	4.0	0.49	µg/L	2	V-05	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Tetrachloroethylene	170	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Tetrahydrofuran	5.8	20	0.98	µg/L	2	J	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Trichloroethylene	100	2.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
Vinyl Chloride	2.7	4.0	0.42	µg/L	2	J	SW-846 8260D	6/15/22	6/15/22 16:24	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/15/22	6/15/22 16:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.9	70-130		6/15/22 16:24
Toluene-d8	98.9	70-130		6/15/22 16:24
4-Bromofluorobenzene	102	70-130		6/15/22 16:24

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Acetophenone	ND	9.8	0.52	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzidine	ND	20	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 14:45	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 14:45	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	28.3	15-110		6/28/22 14:45
Phenol-d6	20.2	15-110		6/28/22 14:45
Nitrobenzene-d5	63.0	30-130		6/28/22 14:45
2-Fluorobiphenyl	53.2	30-130		6/28/22 14:45
2,4,6-Tribromophenol	52.4	15-110		6/28/22 14:45
p-Terphenyl-d14	77.5	30-130		6/28/22 14:45

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.082	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Barium	0.043	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Calcium	69	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Iron	0.22	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Manganese	3.8	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/27/22	6/27/22 18:02	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Potassium	4.3	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Silver	0.0049	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:24	MJH
Sodium	58	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Vanadium	0.0033	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:44	MJH
Zinc	0.48	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:44	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23S-06102022 | Sampled: 6/10/2022 09:45

Sample ID: 22F0868-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0073	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Acrylonitrile	ND	25	2.7	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.5	0.71	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Bromobenzene	ND	5.0	0.75	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Bromomethane	ND	25	7.7	µg/L	5	V-34	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
2-Butanone (MEK)	ND	100	8.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
tert-Butyl Alcohol (TBA)	ND	100	23	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
n-Butylbenzene	ND	5.0	0.76	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
sec-Butylbenzene	ND	5.0	0.55	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
tert-Butylbenzene	ND	5.0	0.64	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	0.74	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Chloromethane	ND	10	2.6	µg/L	5	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
2-Chlorotoluene	ND	5.0	0.57	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
4-Chlorotoluene	ND	5.0	0.59	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Dibromomethane	ND	5.0	1.8	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
trans-1,4-Dichloro-2-butene	ND	10	8.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1-Dichloroethylene	2.9	5.0	0.71	µg/L	5	J	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
cis-1,2-Dichloroethylene	580	5.0	0.73	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
trans-1,2-Dichloroethylene	4.0	5.0	0.84	µg/L	5	J	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,3-Dichloropropane	ND	2.5	0.65	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
2,2-Dichloropropane	ND	5.0	1.6	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1-Dichloropropene	ND	10	0.75	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Diethyl Ether	ND	10	0.91	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	0.64	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Hexachlorobutadiene	ND	3.0	2.3	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	5.0	0.49	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Naphthalene	ND	10	1.2	µg/L	5	V-05	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
n-Propylbenzene	ND	5.0	0.43	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1,1,2-Tetrachloroethane	ND	5.0	0.89	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Tetrachloroethylene	130	5.0	0.94	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Tetrahydrofuran	ND	50	2.5	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,3,5-Trichlorobenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Trichloroethylene	110	5.0	0.95	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2,3-Trichloropropane	ND	10	1.4	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,2,4-Trimethylbenzene	ND	5.0	0.99	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
1,3,5-Trimethylbenzene	ND	5.0	0.57	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
Vinyl Chloride	12	10	1.0	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
m+p Xylene	ND	10	2.3	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF
o-Xylene	ND	5.0	1.1	µg/L	5		SW-846 8260D	6/15/22	6/15/22 16:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.4	70-130		6/15/22 16:50
Toluene-d8	97.1	70-130		6/15/22 16:50
4-Bromofluorobenzene	97.2	70-130		6/15/22 16:50

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Acenaphthylene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Acetophenone	ND	9.9	0.52	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Aniline	ND	4.9	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzidine	ND	20	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Butylbenzylphthalate	ND	9.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Di-n-butylphthalate	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,2-Dichlorobenzene	ND	4.9	0.66	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,4-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4,6-Dinitro-2-methylphenol	ND	9.9	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4-Dinitrophenol	ND	9.9	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4-Dinitrotoluene	ND	9.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Hexachlorobutadiene	ND	9.9	0.76	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Hexachloroethane	ND	9.9	0.73	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Isophorone	ND	9.9	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Naphthalene	ND	4.9	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Nitroaniline	ND	9.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Nitrobenzene	ND	9.9	0.62	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2-Nitrophenol	ND	9.9	0.51	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:12	IMR
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
N-Nitrosodimethylamine	ND	9.9	0.77	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
N-Nitrosodi-n-propylamine	ND	9.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Pentachloronitrobenzene	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Phenol	ND	9.9	0.22	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.64	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR
2,4,6-Trichlorophenol	ND	9.9	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:12	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.5	15-110		6/28/22 15:12
Phenol-d6	23.0	15-110		6/28/22 15:12
Nitrobenzene-d5	67.5	30-130		6/28/22 15:12
2-Fluorobiphenyl	55.3	30-130		6/28/22 15:12
2,4,6-Tribromophenol	54.2	15-110		6/28/22 15:12
p-Terphenyl-d14	77.8	30-130		6/28/22 15:12

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.43	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Arsenic	0.018	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Barium	0.031	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Calcium	42	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Copper	0.0040	0.010	0.0036	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Iron	5.2	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Magnesium	9.5	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Manganese	0.23	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/27/22	6/27/22 18:03	TDK
Nickel	0.0090	0.010	0.0088	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Potassium	4.0	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	6/17/22	6/21/22 20:30	MJH
Sodium	40	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Vanadium	0.0044	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:49	MJH
Zinc	1.3	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:49	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-23D-06102022 | Sampled: 6/10/2022 10:30

Sample ID: 22F0868-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0041	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Bromomethane	ND	20	6.2	µg/L	4	V-34	SW-846 8260D	6/15/22	6/15/22 17:16	MFF
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Chloromethane	ND	8.0	2.1	µg/L	4	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 17:16	MFF
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
cis-1,2-Dichloroethylene	410	4.0	0.59	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
trans-1,2-Dichloroethylene	3.1	4.0	0.67	µg/L	4	J	SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Naphthalene	ND	8.0	0.97	µg/L	4	V-05	SW-846 8260D	6/15/22	6/15/22 17:16	MFF
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Tetrachloroethylene	54	4.0	0.75	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Tetrahydrofuran	ND	40	2.0	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Trichloroethylene	58	4.0	0.76	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
Vinyl Chloride	13	8.0	0.83	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	6/15/22	6/15/22 17:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.7	70-130		6/15/22 17:16
Toluene-d8	99.0	70-130		6/15/22 17:16
4-Bromofluorobenzene	98.3	70-130		6/15/22 17:16

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Acetophenone	ND	9.7	0.52	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzidine	ND	19	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Nitrobenzene	ND	9.7	0.61	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 15:39	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 15:39	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.3	15-110		6/28/22 15:39
Phenol-d6	29.1	15-110		6/28/22 15:39
Nitrobenzene-d5	78.8	30-130		6/28/22 15:39
2-Fluorobiphenyl	66.4	30-130		6/28/22 15:39
2,4,6-Tribromophenol	63.9	15-110		6/28/22 15:39
p-Terphenyl-d14	94.8	30-130		6/28/22 15:39

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.061	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Arsenic	0.0048	0.010	0.0047	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Barium	0.10	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Calcium	52	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Cobalt	0.0014	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Iron	1.8	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Magnesium	11	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Manganese	6.2	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/27/22	6/27/22 18:05	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Potassium	4.5	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Silver	0.0076	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:36	MJH
Sodium	92	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Vanadium	0.0037	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:54	MJH
Zinc	0.076	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:54	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1D-06102022 | Sampled: 6/10/2022 11:45

Sample ID: 22F0868-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0080	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/15/22	6/15/22 15:31	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 15:31	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
cis-1,2-Dichloroethylene	58	2.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Naphthalene	ND	4.0	0.49	µg/L	2	V-05	SW-846 8260D	6/15/22	6/15/22 15:31	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Tetrachloroethylene	21	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Trichloroethylene	11	2.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.7	70-130		6/15/22 15:31
Toluene-d8	97.5	70-130		6/15/22 15:31
4-Bromofluorobenzene	96.0	70-130		6/15/22 15:31

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Acetophenone	ND	9.8	0.52	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzidine	ND	20	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:07	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:07	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.4	15-110		6/28/22 16:07
Phenol-d6	24.9	15-110		6/28/22 16:07
Nitrobenzene-d5	68.5	30-130		6/28/22 16:07
2-Fluorobiphenyl	56.2	30-130		6/28/22 16:07
2,4,6-Tribromophenol	56.1	15-110		6/28/22 16:07
p-Terphenyl-d14	81.3	30-130		6/28/22 16:07

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.2	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Arsenic	0.011	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Barium	0.026	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Calcium	16	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Chromium	0.0040	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Cobalt	0.0034	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Copper	0.0065	0.010	0.0036	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Iron	4.4	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Lead	0.0032	0.010	0.0030	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Magnesium	2.4	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Manganese	0.97	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/27/22	6/27/22 18:07	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Potassium	3.0	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Silver	0.0062	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 20:42	MJH
Sodium	110	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Vanadium	0.0060	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 4:59	MJH
Zinc	0.33	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 4:59	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:18	ATP
Antimony	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:18	ATP
Barium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Calcium	14	0.50	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Chromium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Copper	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Iron	0.077	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Lead	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:18	ATP
Magnesium	2.0	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Manganese	0.79	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/24/22	6/24/22 16:58	TDK
Nickel	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Potassium	2.5	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:18	ATP
Silver	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/17/22 18:09	MJH
Sodium	110	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Thallium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:18	ATP
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP
Zinc	0.21	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:20	ATP

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1DD-06102022 | Sampled: 6/10/2022 12:15

Sample ID: 22F0868-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0054	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/15/22	6/15/22 15:57	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 15:57	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
cis-1,2-Dichloroethylene	49	2.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
trans-1,2-Dichloroethylene	0.70	2.0	0.34	µg/L	2	J	SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Naphthalene	ND	4.0	0.49	µg/L	2	V-05	SW-846 8260D	6/15/22	6/15/22 15:57	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Tetrachloroethylene	17	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Trichloroethylene	8.6	2.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/15/22	6/15/22 15:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.3	70-130		6/15/22 15:57
Toluene-d8	99.3	70-130		6/15/22 15:57
4-Bromofluorobenzene	96.8	70-130		6/15/22 15:57

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Acetophenone	ND	9.9	0.53	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzidine	ND	20	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Chloroaniline	ND	9.9	0.57	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Hexachloroethane	ND	9.9	0.73	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Nitrobenzene	ND	9.9	0.62	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2-Nitrophenol	ND	9.9	0.51	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 16:34	IMR
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 16:34	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.5	15-110		6/28/22 16:34
Phenol-d6	25.9	15-110		6/28/22 16:34
Nitrobenzene-d5	75.6	30-130		6/28/22 16:34
2-Fluorobiphenyl	65.0	30-130		6/28/22 16:34
2,4,6-Tribromophenol	64.7	15-110		6/28/22 16:34
p-Terphenyl-d14	90.6	30-130		6/28/22 16:34

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.2	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Arsenic	0.012	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Barium	0.024	0.050	0.0056	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Calcium	15	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Chromium	0.0036	0.010	0.0025	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Cobalt	0.0036	0.010	0.0014	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Copper	0.013	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Iron	4.2	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Magnesium	2.3	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Manganese	0.90	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	6/27/22	6/27/22 18:09	TDK
Nickel	0.014	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Potassium	2.8	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Silver	0.0076	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/23/22 12:55	ATP
Sodium	110	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Vanadium	0.0059	0.010	0.0031	mg/L	1	J	SW-846 6010D	6/17/22	6/21/22 5:06	MJH
Zinc	0.30	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:06	MJH

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:24	ATP
Antimony	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:24	ATP
Barium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Calcium	19	0.50	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Chromium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Copper	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Iron	0.073	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Lead	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:24	ATP
Magnesium	2.4	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Manganese	0.71	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/24/22	6/24/22 16:59	TDK
Nickel	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Potassium	2.9	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:24	ATP
Silver	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/17/22 18:15	MJH
Sodium	110	2.0	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Thallium	ND	0.050	mg/L	1		SW-846 6010D	6/15/22	6/16/22 23:24	ATP
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP
Zinc	0.23	0.010	mg/L	1		SW-846 6010D	6/15/22	6/16/22 22:26	ATP

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-X-06102022 | Sampled: 6/10/2022 00:00

Sample ID: 22F0868-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0041	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/15/22	6/15/22 17:42	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/15/22	6/15/22 17:42	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
cis-1,2-Dichloroethylene	230	2.0	0.29	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
trans-1,2-Dichloroethylene	1.3	2.0	0.34	µg/L	2	J	SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Naphthalene	ND	4.0	0.49	µg/L	2	V-05	SW-846 8260D	6/15/22	6/15/22 17:42	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Tetrachloroethylene	120	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	L-04, V-05	SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Trichloroethylene	61	2.0	0.38	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
Vinyl Chloride	6.2	4.0	0.42	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/15/22	6/15/22 17:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		6/15/22 17:42
Toluene-d8	94.6	70-130		6/15/22 17:42
4-Bromofluorobenzene	97.7	70-130		6/15/22 17:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Acetophenone	ND	9.7	0.52	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzidine	ND	19	10	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1	R-05, V-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1	V-04, V-20	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1	L-04	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Nitrobenzene	ND	9.7	0.61	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1	R-05	SW-846 8270E	6/17/22	6/28/22 17:01	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	6/17/22	6/28/22 17:01	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.7	15-110		6/28/22 17:01
Phenol-d6	23.5	15-110		6/28/22 17:01
Nitrobenzene-d5	68.2	30-130		6/28/22 17:01
2-Fluorobiphenyl	58.7	30-130		6/28/22 17:01
2,4,6-Tribromophenol	59.4	15-110		6/28/22 17:01
p-Terphenyl-d14	83.2	30-130		6/28/22 17:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	12	0.050	0.015	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Arsenic	0.027	0.010	0.0047	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Barium	0.19	0.050	0.0056	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Calcium	76	0.50	0.11	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Chromium	0.042	0.010	0.0025	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Cobalt	0.015	0.010	0.0014	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Copper	0.070	0.010	0.0036	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Iron	29	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Lead	0.087	0.010	0.0030	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Magnesium	16	0.050	0.0095	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Manganese	5.7	0.010	0.0017	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Mercury	0.000047	0.00010	0.000040	mg/L	1	J	SW-846 7470A	6/27/22	6/27/22 18:11	TDK
Nickel	0.022	0.010	0.0088	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Potassium	6.5	2.0	0.30	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Silver	0.0076	0.010	0.0032	mg/L	1	J	SW-846 6010D	6/17/22	6/23/22 13:01	ATP
Sodium	70	2.0	0.53	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Vanadium	0.044	0.010	0.0031	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH
Zinc	7.4	0.010	0.0042	mg/L	1		SW-846 6010D	6/17/22	6/21/22 5:13	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glencove, NY | Sample Description: | Work Order: 22F0868

Date Received: 6/14/2022

Field Sample #: MW-1-06102022 | Sampled: 6/10/2022 12:45

Sample ID: 22F0868-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0067	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	6/17/22	6/17/22 10:00	DRA

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310724 - SW-846 5030B										
Blank (B310724-BLK1)				Prepared & Analyzed: 06/15/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B											
Blank (B310724-BLK1)				Prepared & Analyzed: 06/15/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L							L-04, V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7	70-130				
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22							
Acetone	91.0	50	µg/L	100		91.0	70-160				†
Acrylonitrile	10.6	5.0	µg/L	10.0		106	70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107	70-130				
Benzene	9.91	1.0	µg/L	10.0		99.1	70-130				
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130				
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130				
Bromoform	9.74	1.0	µg/L	10.0		97.4	70-130				
Bromomethane	15.2	2.0	µg/L	10.0		152	40-160			V-20, V-34	†
2-Butanone (MEK)	89.1	20	µg/L	100		89.1	40-160				†
tert-Butyl Alcohol (TBA)	95.7	20	µg/L	100		95.7	40-160				†
n-Butylbenzene	9.63	1.0	µg/L	10.0		96.3	70-130				
sec-Butylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130				
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.96	0.50	µg/L	10.0		99.6	70-130				
Carbon Disulfide	100	5.0	µg/L	100		100	70-130				
Carbon Tetrachloride	10.0	5.0	µg/L	10.0		100	70-130				
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130				
Chloroethane	9.76	2.0	µg/L	10.0		97.6	70-130				
Chloroform	10.6	2.0	µg/L	10.0		106	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22								
Chloromethane	3.96	2.0	µg/L	10.0		**39.6**	*	40-160			L-07, V-05, V-34	†
2-Chlorotoluene	9.94	1.0	µg/L	10.0		99.4		70-130				
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.84	5.0	µg/L	10.0		88.4		70-130				
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112		70-130				
Dibromomethane	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dichlorobenzene	9.27	1.0	µg/L	10.0		92.7		70-130				
1,3-Dichlorobenzene	9.61	1.0	µg/L	10.0		96.1		70-130				
1,4-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
trans-1,4-Dichloro-2-butene	9.25	2.0	µg/L	10.0		92.5		70-130				
Dichlorodifluoromethane (Freon 12)	9.42	2.0	µg/L	10.0		94.2		40-160				†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130				
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130				
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105		70-130				
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130				
2,2-Dichloropropane	10.4	1.0	µg/L	10.0		104		40-130				†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105		70-130				
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1		70-130				
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6		70-130				
Diethyl Ether	9.55	2.0	µg/L	10.0		95.5		70-130				
Diisopropyl Ether (DIPE)	9.61	0.50	µg/L	10.0		96.1		70-130				
1,4-Dioxane	97.4	50	µg/L	100		97.4		40-130				†
Ethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Hexachlorobutadiene	7.99	0.60	µg/L	10.0		79.9		70-130				
2-Hexanone (MBK)	94.8	10	µg/L	100		94.8		70-160				†
Isopropylbenzene (Cumene)	9.91	1.0	µg/L	10.0		99.1		70-130				
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Acetate	8.39	1.0	µg/L	10.0		83.9		70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104		70-130				
Methylene Chloride	10.1	5.0	µg/L	10.0		101		70-130				
4-Methyl-2-pentanone (MIBK)	98.9	10	µg/L	100		98.9		70-160				†
Naphthalene	6.92	2.0	µg/L	10.0		69.2		40-130			V-05	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Styrene	10.1	1.0	µg/L	10.0		101		70-130				
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104		70-130				
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130				
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
Tetrahydrofuran	9.46	10	µg/L	10.0		94.6		70-130			J	
Toluene	10.1	1.0	µg/L	10.0		101		70-130				
1,2,3-Trichlorobenzene	6.66	5.0	µg/L	10.0		**66.6**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	8.16	1.0	µg/L	10.0		81.6		70-130				
1,3,5-Trichlorobenzene	8.80	1.0	µg/L	10.0		88.0		70-130				
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	9.42	2.0	µg/L	10.0		94.2		70-130				
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS (B310724-BS1)				Prepared & Analyzed: 06/15/22								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112		70-130				
1,2,4-Trimethylbenzene	9.79	1.0	µg/L	10.0		97.9		70-130				
1,3,5-Trimethylbenzene	9.85	1.0	µg/L	10.0		98.5		70-130				
Vinyl Chloride	9.66	2.0	µg/L	10.0		96.6		40-160				†
m+p Xylene	20.5	2.0	µg/L	20.0		102		70-130				
o-Xylene	10.0	1.0	µg/L	10.0		100		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.7		70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.3		70-130				
LCS Dup (B310724-BSD1)				Prepared & Analyzed: 06/15/22								
Acetone	88.3	50	µg/L	100		88.3		70-160	3.06	25		†
Acrylonitrile	11.3	5.0	µg/L	10.0		113		70-130	6.22	25		
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109		70-130	1.30	25		
Benzene	10.2	1.0	µg/L	10.0		102		70-130	3.08	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106		70-130	4.42	25		
Bromochloromethane	11.2	1.0	µg/L	10.0		112		70-130	0.533	25		
Bromodichloromethane	10.8	0.50	µg/L	10.0		108		70-130	3.87	25		
Bromoform	9.89	1.0	µg/L	10.0		98.9		70-130	1.53	25		
Bromomethane	16.5	2.0	µg/L	10.0		**165**	*	40-160	7.81	25	L-07, V-20, V-34	†
2-Butanone (MEK)	88.2	20	µg/L	100		88.2		40-160	0.993	25		†
tert-Butyl Alcohol (TBA)	94.2	20	µg/L	100		94.2		40-160	1.64	25		†
n-Butylbenzene	9.67	1.0	µg/L	10.0		96.7		70-130	0.415	25		
sec-Butylbenzene	9.78	1.0	µg/L	10.0		97.8		70-130	0.307	25		
tert-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130	1.40	25		
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101		70-130	1.40	25		
Carbon Disulfide	103	5.0	µg/L	100		103		70-130	2.71	25		
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103		70-130	2.66	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	2.17	25		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104		70-130	2.94	25		
Chloroethane	10.4	2.0	µg/L	10.0		104		70-130	5.96	25		
Chloroform	11.0	2.0	µg/L	10.0		110		70-130	3.90	25		
Chloromethane	4.12	2.0	µg/L	10.0		41.2		40-160	3.96	25	V-05, V-34	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130	3.36	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130	3.05	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.46	5.0	µg/L	10.0		84.6		70-130	4.39	25		
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111		70-130	0.986	25		
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130	2.16	25		
1,2-Dichlorobenzene	9.29	1.0	µg/L	10.0		92.9		70-130	0.216	25		
1,3-Dichlorobenzene	9.76	1.0	µg/L	10.0		97.6		70-130	1.55	25		
1,4-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3		70-130	1.03	25		
trans-1,4-Dichloro-2-butene	8.90	2.0	µg/L	10.0		89.0		70-130	3.86	25		
Dichlorodifluoromethane (Freon 12)	9.83	2.0	µg/L	10.0		98.3		40-160	4.26	25		†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	0.758	25		
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108		70-130	1.97	25		
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130	4.23	25		
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130	0.190	25		
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130	2.97	25		
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112		70-130	5.98	25		
1,3-Dichloropropane	10.9	0.50	µg/L	10.0		109		70-130	3.28	25		
2,2-Dichloropropane	10.6	1.0	µg/L	10.0		106		40-130	1.72	25		†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110		70-130	4.28	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310724 - SW-846 5030B												
LCS Dup (B310724-BSD1)				Prepared & Analyzed: 06/15/22								
cis-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9		70-130	1.82	25		
trans-1,3-Dichloropropene	9.74	0.50	µg/L	10.0		97.4		70-130	1.87	25		
Diethyl Ether	9.79	2.0	µg/L	10.0		97.9		70-130	2.48	25		
Diisopropyl Ether (DIPE)	9.86	0.50	µg/L	10.0		98.6		70-130	2.57	25		
1,4-Dioxane	106	50	µg/L	100		106		40-130	8.68	50		† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	1.28	25		
Hexachlorobutadiene	8.11	0.60	µg/L	10.0		81.1		70-130	1.49	25		
2-Hexanone (MBK)	95.8	10	µg/L	100		95.8		70-160	1.06	25		†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105		70-130	5.50	25		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130	0.575	25		
Methyl Acetate	8.61	1.0	µg/L	10.0		86.1		70-130	2.59	25		
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106		70-130	2.38	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108		70-130	3.68	25		
Methylene Chloride	10.3	5.0	µg/L	10.0		103		70-130	1.47	25		
4-Methyl-2-pentanone (MIBK)	98.9	10	µg/L	100		98.9		70-160	0.0202	25		†
Naphthalene	6.71	2.0	µg/L	10.0		67.1		40-130	3.08	25	V-05	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130	2.15	25		
Styrene	10.4	1.0	µg/L	10.0		104		70-130	2.63	25		
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110		70-130	5.22	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130	2.64	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.873	25		
Tetrahydrofuran	9.71	10	µg/L	10.0		97.1		70-130	2.61	25	J	
Toluene	10.3	1.0	µg/L	10.0		103		70-130	1.67	25		
1,2,3-Trichlorobenzene	6.54	5.0	µg/L	10.0		**65.4**	*	70-130	1.82	25	L-04, V-05	
1,2,4-Trichlorobenzene	7.92	1.0	µg/L	10.0		79.2		70-130	2.99	25		
1,3,5-Trichlorobenzene	8.81	1.0	µg/L	10.0		88.1		70-130	0.114	25		
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130	4.18	25		
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111		70-130	4.51	25		
Trichloroethylene	11.3	1.0	µg/L	10.0		113		70-130	1.25	25		
Trichlorofluoromethane (Freon 11)	9.39	2.0	µg/L	10.0		93.9		70-130	0.319	25		
1,2,3-Trichloropropane	11.3	2.0	µg/L	10.0		113		70-130	4.33	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	1.0	µg/L	10.0		118		70-130	5.40	25		
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100		70-130	2.12	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130	3.69	25		
Vinyl Chloride	9.92	2.0	µg/L	10.0		99.2		40-160	2.66	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104		70-130	1.50	25		
o-Xylene	10.3	1.0	µg/L	10.0		103		70-130	2.86	25		
Surrogate: 1,2-Dichloroethane-d4	*22.5*		µg/L	25.0		89.9		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310961 - SW-846 3510C										
Blank (B310961-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							R-05
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							R-05
Bis(2-chloroisopropyl)ether	ND	10	µg/L							R-05
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							R-05
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							V-04
2,4-Dinitrophenol	ND	10	µg/L							V-04
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							R-05
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B310961 - SW-846 3510C											
Blank (B310961-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22							
2-Methylphenol	ND	10	µg/L								
3/4-Methylphenol	ND	10	µg/L								
Naphthalene	ND	5.0	µg/L								
2-Nitroaniline	ND	10	µg/L								
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								R-05
2-Nitrophenol	ND	10	µg/L								R-05
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodimethylamine	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								R-05
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*79.8*		µg/L	200		39.9		15-110			
Surrogate: Phenol-d6	*55.6*		µg/L	200		27.8		15-110			
Surrogate: Nitrobenzene-d5	*76.7*		µg/L	100		76.7		30-130			
Surrogate: 2-Fluorobiphenyl	*60.5*		µg/L	100		60.5		30-130			
Surrogate: 2,4,6-Tribromophenol	*137*		µg/L	200		68.5		15-110			
Surrogate: p-Terphenyl-d14	*80.6*		µg/L	100		80.6		30-130			
LCS (B310961-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22							
Acenaphthene	29.8	5.0	µg/L	50.0		59.7		40-140			
Acenaphthylene	29.0	5.0	µg/L	50.0		58.1		40-140			
Acetophenone	27.8	10	µg/L	50.0		55.6		40-140			R-05
Aniline	34.5	5.0	µg/L	50.0		69.0		40-140			
Anthracene	32.6	5.0	µg/L	50.0		65.2		40-140			
Benzidine	73.8	20	µg/L	50.0		**148**	*	40-140			L-07, V-35
Benzo(a)anthracene	33.4	5.0	µg/L	50.0		66.9		40-140			
Benzo(a)pyrene	31.3	5.0	µg/L	50.0		62.6		40-140			
Benzo(b)fluoranthene	31.7	5.0	µg/L	50.0		63.3		40-140			
Benzo(g,h,i)perylene	36.2	5.0	µg/L	50.0		72.4		40-140			
Benzo(k)fluoranthene	33.2	5.0	µg/L	50.0		66.4		40-140			
Benzoic Acid	22.8	10	µg/L	50.0		45.6		10-130			†
Bis(2-chloroethoxy)methane	30.8	10	µg/L	50.0		61.7		40-140			
Bis(2-chloroethyl)ether	28.1	10	µg/L	50.0		56.2		40-140			R-05
Bis(2-chloroisopropyl)ether	30.4	10	µg/L	50.0		60.7		40-140			R-05
Bis(2-Ethylhexyl)phthalate	35.6	10	µg/L	50.0		71.1		40-140			
4-Bromophenylphenylether	32.0	10	µg/L	50.0		64.0		40-140			
Butylbenzylphthalate	36.8	10	µg/L	50.0		73.5		40-140			
Carbazole	33.0	10	µg/L	50.0		66.0		40-140			
4-Chloroaniline	34.5	10	µg/L	50.0		69.0		40-140			V-34
4-Chloro-3-methylphenol	32.9	10	µg/L	50.0		65.8		30-130			
2-Chloronaphthalene	24.6	10	µg/L	50.0		49.2		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B310961 - SW-846 3510C												
LCS (B310961-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22								
2-Chlorophenol	28.1	10	µg/L	50.0		56.2		30-130				
4-Chlorophenylphenylether	31.5	10	µg/L	50.0		63.0		40-140				
Chrysene	33.2	5.0	µg/L	50.0		66.5		40-140				
Dibenz(a,h)anthracene	37.3	5.0	µg/L	50.0		74.6		40-140				
Dibenzofuran	31.1	5.0	µg/L	50.0		62.1		40-140				
Di-n-butylphthalate	34.4	10	µg/L	50.0		68.9		40-140				
1,2-Dichlorobenzene	18.4	5.0	µg/L	50.0		**36.8**	*	40-140			L-07A	
1,3-Dichlorobenzene	16.9	5.0	µg/L	50.0		**33.9**	*	40-140			L-07	
1,4-Dichlorobenzene	17.4	5.0	µg/L	50.0		**34.7**	*	40-140			L-07	
3,3-Dichlorobenzidine	40.6	10	µg/L	50.0		81.2		40-140				
2,4-Dichlorophenol	30.6	10	µg/L	50.0		61.1		30-130				
Diethylphthalate	33.2	10	µg/L	50.0		66.3		40-140				
2,4-Dimethylphenol	30.8	10	µg/L	50.0		61.6		30-130				
Dimethylphthalate	33.4	10	µg/L	50.0		66.9		40-140				
4,6-Dinitro-2-methylphenol	41.3	10	µg/L	50.0		82.6		30-130			V-04	
2,4-Dinitrophenol	39.1	10	µg/L	50.0		78.3		30-130			V-04	
2,4-Dinitrotoluene	34.1	10	µg/L	50.0		68.2		40-140				
2,6-Dinitrotoluene	35.6	10	µg/L	50.0		71.2		40-140				
Di-n-octylphthalate	30.0	10	µg/L	50.0		59.9		40-140				
1,2-Diphenylhydrazine/Azobenzene	32.0	10	µg/L	50.0		64.0		40-140				
Fluoranthene	33.2	5.0	µg/L	50.0		66.5		40-140				
Fluorene	31.4	5.0	µg/L	50.0		62.8		40-140				
Hexachlorobenzene	31.9	10	µg/L	50.0		63.8		40-140				
Hexachlorobutadiene	19.1	10	µg/L	50.0		**38.2**	*	40-140			L-07A	
Hexachlorocyclopentadiene	25.1	10	µg/L	50.0		50.3		30-140				†
Hexachloroethane	16.2	10	µg/L	50.0		**32.5**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	38.0	5.0	µg/L	50.0		75.9		40-140				
Isophorone	31.5	10	µg/L	50.0		63.0		40-140				
1-Methylnaphthalene	23.7	5.0	µg/L	50.0		47.5		40-140				
2-Methylnaphthalene	27.6	5.0	µg/L	50.0		55.1		40-140				
2-Methylphenol	29.2	10	µg/L	50.0		58.4		30-130				
3/4-Methylphenol	27.2	10	µg/L	50.0		54.4		30-130				
Naphthalene	24.5	5.0	µg/L	50.0		49.0		40-140				
2-Nitroaniline	41.6	10	µg/L	50.0		83.3		40-140				
3-Nitroaniline	39.8	10	µg/L	50.0		79.6		40-140				
4-Nitroaniline	37.6	10	µg/L	50.0		75.3		40-140				
Nitrobenzene	28.0	10	µg/L	50.0		56.0		40-140			R-05	
2-Nitrophenol	33.0	10	µg/L	50.0		66.0		30-130			R-05	
4-Nitrophenol	20.9	10	µg/L	50.0		41.8		10-130				†
N-Nitrosodimethylamine	22.0	10	µg/L	50.0		44.0		40-140				
N-Nitrosodiphenylamine/Diphenylamine	33.8	10	µg/L	50.0		67.7		40-140				
N-Nitrosodi-n-propylamine	30.4	10	µg/L	50.0		60.8		40-140				
Pentachloronitrobenzene	32.6	10	µg/L	50.0		65.1		40-140				
Pentachlorophenol	30.9	10	µg/L	50.0		61.9		30-130				
Phenanthrene	32.2	5.0	µg/L	50.0		64.3		40-140				
Phenol	15.7	10	µg/L	50.0		31.4		20-130				†
Pyrene	33.8	5.0	µg/L	50.0		67.5		40-140				
Pyridine	20.1	5.0	µg/L	50.0		40.2		10-140				†
1,2,4,5-Tetrachlorobenzene	26.9	10	µg/L	50.0		53.8		40-140				
1,2,4-Trichlorobenzene	21.6	5.0	µg/L	50.0		43.2		40-140			R-05	
2,4,5-Trichlorophenol	33.3	10	µg/L	50.0		66.6		30-130				
2,4,6-Trichlorophenol	32.1	10	µg/L	50.0		64.2		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B310961 - SW-846 3510C												
LCS (B310961-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22								
Surrogate: 2-Fluorophenol	*86.7*		µg/L	200		43.3	15-110					
Surrogate: Phenol-d6	*62.2*		µg/L	200		31.1	15-110					
Surrogate: Nitrobenzene-d5	*81.5*		µg/L	100		81.5	30-130					
Surrogate: 2-Fluorobiphenyl	*63.8*		µg/L	100		63.8	30-130					
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.6	15-110					
Surrogate: p-Terphenyl-d14	*75.6*		µg/L	100		75.6	30-130					
LCS Dup (B310961-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22								
Acenaphthene	33.9	5.0	µg/L	50.0		67.8	40-140	12.8		20		
Acenaphthylene	33.0	5.0	µg/L	50.0		65.9	40-140	12.6		20		
Acetophenone	34.1	10	µg/L	50.0		68.2	40-140	**20.4**	*	20	R-05	
Aniline	38.9	5.0	µg/L	50.0		77.9	40-140	12.0		50		‡
Anthracene	36.6	5.0	µg/L	50.0		73.2	40-140	11.6		20		
Benzidine	66.6	20	µg/L	50.0		133	40-140	10.3		20	V-35	
Benzo(a)anthracene	37.3	5.0	µg/L	50.0		74.7	40-140	11.0		20		
Benzo(a)pyrene	35.0	5.0	µg/L	50.0		70.0	40-140	11.2		20		
Benzo(b)fluoranthene	35.1	5.0	µg/L	50.0		70.1	40-140	10.2		20		
Benzo(g,h,i)perylene	40.0	5.0	µg/L	50.0		80.0	40-140	10.1		20		
Benzo(k)fluoranthene	37.2	5.0	µg/L	50.0		74.3	40-140	11.2		20		
Benzoic Acid	24.0	10	µg/L	50.0		48.0	10-130	5.04		50		† ‡
Bis(2-chloroethoxy)methane	36.7	10	µg/L	50.0		73.4	40-140	17.4		20		
Bis(2-chloroethyl)ether	34.9	10	µg/L	50.0		69.8	40-140	**21.7**	*	20	R-05	
Bis(2-chloroisopropyl)ether	37.4	10	µg/L	50.0		74.8	40-140	**20.8**	*	20	R-05	
Bis(2-Ethylhexyl)phthalate	39.1	10	µg/L	50.0		78.2	40-140	9.48		20		
4-Bromophenylphenylether	36.9	10	µg/L	50.0		73.9	40-140	14.4		20		
Butylbenzylphthalate	40.5	10	µg/L	50.0		81.0	40-140	9.68		20		
Carbazole	36.2	10	µg/L	50.0		72.4	40-140	9.13		20		
4-Chloroaniline	35.5	10	µg/L	50.0		70.9	40-140	2.74		20	V-34	
4-Chloro-3-methylphenol	36.9	10	µg/L	50.0		73.7	30-130	11.4		20		
2-Chloronaphthalene	28.6	10	µg/L	50.0		57.2	40-140	15.2		20		
2-Chlorophenol	34.0	10	µg/L	50.0		68.0	30-130	19.1		20		
4-Chlorophenylphenylether	35.1	10	µg/L	50.0		70.2	40-140	10.8		20		
Chrysene	37.4	5.0	µg/L	50.0		74.8	40-140	11.8		20		
Dibenz(a,h)anthracene	41.0	5.0	µg/L	50.0		82.1	40-140	9.55		20		
Dibenzofuran	35.1	5.0	µg/L	50.0		70.2	40-140	12.2		20		
Di-n-butylphthalate	37.6	10	µg/L	50.0		75.3	40-140	8.85		20		
1,2-Dichlorobenzene	22.6	5.0	µg/L	50.0		45.2	40-140	**20.5**	*	20	R-05	
1,3-Dichlorobenzene	20.6	5.0	µg/L	50.0		41.1	40-140	19.4		20		
1,4-Dichlorobenzene	21.1	5.0	µg/L	50.0		42.2	40-140	19.4		20		
3,3-Dichlorobenzidine	44.9	10	µg/L	50.0		89.8	40-140	10.0		20		
2,4-Dichlorophenol	36.4	10	µg/L	50.0		72.9	30-130	17.6		20		
Diethylphthalate	35.2	10	µg/L	50.0		70.4	40-140	6.00		20		
2,4-Dimethylphenol	35.8	10	µg/L	50.0		71.7	30-130	15.2		20		
Dimethylphthalate	36.0	10	µg/L	50.0		71.9	40-140	7.26		50		‡
4,6-Dinitro-2-methylphenol	45.8	10	µg/L	50.0		91.5	30-130	10.3		50	V-04	‡
2,4-Dinitrophenol	41.8	10	µg/L	50.0		83.5	30-130	6.50		50	V-04	‡
2,4-Dinitrotoluene	36.4	10	µg/L	50.0		72.9	40-140	6.63		20		
2,6-Dinitrotoluene	39.6	10	µg/L	50.0		79.2	40-140	10.6		20		
Di-n-octylphthalate	32.1	10	µg/L	50.0		64.1	40-140	6.81		20		
1,2-Diphenylhydrazine/Azobenzene	36.6	10	µg/L	50.0		73.3	40-140	13.5		20		
Fluoranthene	36.4	5.0	µg/L	50.0		72.7	40-140	8.94		20		
Fluorene	34.6	5.0	µg/L	50.0		69.3	40-140	9.82		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B310961 - SW-846 3510C											
LCS Dup (B310961-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22							
Hexachlorobenzene	36.6	10	µg/L	50.0		73.2	40-140	13.7	20		
Hexachlorobutadiene	23.9	10	µg/L	50.0		47.7	40-140	**22.2** *	20	R-05	
Hexachlorocyclopentadiene	31.4	10	µg/L	50.0		62.9	30-140	22.3	50		† ‡
Hexachloroethane	19.6	10	µg/L	50.0		**39.2** *	40-140	18.9	50	L-04	‡
Indeno(1,2,3-cd)pyrene	42.3	5.0	µg/L	50.0		84.5	40-140	10.7	50		‡
Isophorone	37.1	10	µg/L	50.0		74.3	40-140	16.4	20		
1-Methylnaphthalene	28.8	5.0	µg/L	50.0		57.7	40-140	19.4	20		
2-Methylnaphthalene	33.6	5.0	µg/L	50.0		67.3	40-140	19.9	20		
2-Methylphenol	34.4	10	µg/L	50.0		68.7	30-130	16.3	20		
3/4-Methylphenol	31.5	10	µg/L	50.0		63.0	30-130	14.7	20		
Naphthalene	29.9	5.0	µg/L	50.0		59.8	40-140	19.9	20		
2-Nitroaniline	44.9	10	µg/L	50.0		89.8	40-140	7.56	20		
3-Nitroaniline	40.0	10	µg/L	50.0		80.1	40-140	0.626	20		
4-Nitroaniline	38.1	10	µg/L	50.0		76.2	40-140	1.21	20		
Nitrobenzene	34.4	10	µg/L	50.0		68.7	40-140	**20.4** *	20	R-05	
2-Nitrophenol	40.6	10	µg/L	50.0		81.2	30-130	**20.6** *	20	R-05	
4-Nitrophenol	20.3	10	µg/L	50.0		40.6	10-130	2.77	50		† ‡
N-Nitrosodimethylamine	26.3	10	µg/L	50.0		52.5	40-140	17.6	20		
N-Nitrosodiphenylamine/Diphenylamine	38.6	10	µg/L	50.0		77.2	40-140	13.1	20		
N-Nitrosodi-n-propylamine	36.7	10	µg/L	50.0		73.3	40-140	18.7	20		
Pentachloronitrobenzene	37.0	10	µg/L	50.0		74.0	40-140	12.8	20		
Pentachlorophenol	34.8	10	µg/L	50.0		69.6	30-130	11.8	50		‡
Phenanthrene	36.2	5.0	µg/L	50.0		72.3	40-140	11.7	20		
Phenol	17.8	10	µg/L	50.0		35.7	20-130	12.8	20		†
Pyrene	37.6	5.0	µg/L	50.0		75.2	40-140	10.8	20		
Pyridine	22.3	5.0	µg/L	50.0		44.6	10-140	10.5	50		† ‡
1,2,4,5-Tetrachlorobenzene	32.2	10	µg/L	50.0		64.4	40-140	18.1	20		
1,2,4-Trichlorobenzene	26.6	5.0	µg/L	50.0		53.2	40-140	**20.7** *	20	R-05	
2,4,5-Trichlorophenol	37.4	10	µg/L	50.0		74.8	30-130	11.6	20		
2,4,6-Trichlorophenol	36.5	10	µg/L	50.0		72.9	30-130	12.8	50		‡
Surrogate: 2-Fluorophenol	*102*		µg/L	200		50.8	15-110				
Surrogate: Phenol-d6	*70.0*		µg/L	200		35.0	15-110				
Surrogate: Nitrobenzene-d5	*97.6*		µg/L	100		97.6	30-130				
Surrogate: 2-Fluorobiphenyl	*73.1*		µg/L	100		73.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*159*		µg/L	200		79.7	15-110				
Surrogate: p-Terphenyl-d14	*81.8*		µg/L	100		81.8	30-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311019 - SW-846 3005A										
Blank (B311019-BLK1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B311019-BS1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.478	0.050	mg/L	0.500		95.6	80-120			
Antimony	0.457	0.050	mg/L	0.500		91.5	80-120			
Arsenic	0.448	0.010	mg/L	0.500		89.6	80-120			
Barium	0.485	0.050	mg/L	0.500		96.9	80-120			
Beryllium	0.485	0.0040	mg/L	0.500		97.0	80-120			
Cadmium	0.469	0.0040	mg/L	0.500		93.8	80-120			
Calcium	3.87	0.50	mg/L	4.00		96.7	80-120			
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120			
Cobalt	0.483	0.010	mg/L	0.500		96.7	80-120			
Copper	0.967	0.010	mg/L	1.00		96.7	80-120			
Iron	3.90	0.050	mg/L	4.00		97.5	80-120			
Lead	0.491	0.010	mg/L	0.500		98.1	80-120			
Magnesium	3.82	0.050	mg/L	4.00		95.5	80-120			
Manganese	0.480	0.010	mg/L	0.500		96.0	80-120			
Nickel	0.511	0.010	mg/L	0.500		102	80-120			
Potassium	3.84	2.0	mg/L	4.00		96.1	80-120			
Selenium	0.462	0.050	mg/L	0.500		92.3	80-120			
Silver	0.491	0.010	mg/L	0.500		98.3	80-120			
Sodium	3.94	2.0	mg/L	4.00		98.4	80-120			
Thallium	0.463	0.050	mg/L	0.500		92.6	80-120			
Vanadium	0.477	0.010	mg/L	0.500		95.5	80-120			
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311019 - SW-846 3005A										
LCS Dup (B311019-BSD1)				Prepared: 06/17/22 Analyzed: 06/20/22						
Aluminum	0.482	0.050	mg/L	0.500		96.4	80-120	0.846	20	
Antimony	0.459	0.050	mg/L	0.500		91.8	80-120	0.409	20	
Arsenic	0.450	0.010	mg/L	0.500		90.0	80-120	0.439	20	
Barium	0.485	0.050	mg/L	0.500		97.0	80-120	0.0915	20	
Beryllium	0.491	0.0040	mg/L	0.500		98.2	80-120	1.15	20	
Cadmium	0.472	0.0040	mg/L	0.500		94.4	80-120	0.624	20	
Calcium	3.90	0.50	mg/L	4.00		97.6	80-120	0.867	20	
Chromium	0.483	0.010	mg/L	0.500		96.6	80-120	0.00681	20	
Cobalt	0.486	0.010	mg/L	0.500		97.2	80-120	0.574	20	
Copper	0.950	0.010	mg/L	1.00		95.0	80-120	1.82	20	
Iron	3.95	0.050	mg/L	4.00		98.8	80-120	1.30	20	
Lead	0.495	0.010	mg/L	0.500		98.9	80-120	0.829	20	
Magnesium	3.86	0.050	mg/L	4.00		96.4	80-120	0.995	20	
Manganese	0.484	0.010	mg/L	0.500		96.9	80-120	0.932	20	
Nickel	0.490	0.010	mg/L	0.500		98.1	80-120	4.10	30	
Potassium	3.88	2.0	mg/L	4.00		97.1	80-120	1.02	20	
Selenium	0.468	0.050	mg/L	0.500		93.5	80-120	1.28	20	
Silver	0.492	0.010	mg/L	0.500		98.3	80-120	0.0442	20	
Sodium	3.99	2.0	mg/L	4.00		99.7	80-120	1.27	20	
Thallium	0.475	0.050	mg/L	0.500		95.1	80-120	2.65	20	
Vanadium	0.477	0.010	mg/L	0.500		95.4	80-120	0.0768	20	
Zinc	0.967	0.010	mg/L	1.00		96.7	80-120	0.0388	20	
Batch B311678 - SW-846 7470A/7471A										
Blank (B311678-BLK1)				Prepared & Analyzed: 06/27/22						
Mercury	ND	0.00010	mg/L							
LCS (B311678-BS1)				Prepared & Analyzed: 06/27/22						
Mercury	0.00378	0.00010	mg/L	0.00402		94.1	80-120			
LCS Dup (B311678-BSD1)				Prepared & Analyzed: 06/27/22						
Mercury	0.00386	0.00010	mg/L	0.00402		95.9	80-120	1.94	20	
Duplicate (B311678-DUP1)		**Source: 22F0868-01**		Prepared & Analyzed: 06/27/22						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B311678-MS1)		**Source: 22F0868-01**		Prepared & Analyzed: 06/27/22						
Mercury	0.00372	0.00010	mg/L	0.00402	ND	92.5	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310776 - SW-846 3005A Dissolved										
Blank (B310776-BLK1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B310776-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.504	0.050	mg/L	0.500		101	80-120			
Antimony	0.460	0.050	mg/L	0.500		92.0	80-120			
Arsenic	0.459	0.010	mg/L	0.500		91.9	80-120			
Barium	0.482	0.050	mg/L	0.500		96.3	80-120			
Beryllium	0.488	0.0040	mg/L	0.500		97.5	80-120			
Cadmium	0.464	0.0040	mg/L	0.500		92.8	80-120			
Calcium	3.80	0.50	mg/L	4.00		95.0	80-120			
Chromium	0.475	0.010	mg/L	0.500		95.1	80-120			
Cobalt	0.472	0.010	mg/L	0.500		94.5	80-120			
Copper	0.939	0.010	mg/L	1.00		93.9	80-120			
Iron	4.16	0.050	mg/L	4.00		104	80-120			
Lead	0.484	0.010	mg/L	0.500		96.7	80-120			
Magnesium	3.74	0.050	mg/L	4.00		93.6	80-120			
Manganese	0.495	0.010	mg/L	0.500		99.1	80-120			
Nickel	0.474	0.010	mg/L	0.500		94.8	80-120			
Potassium	3.68	2.0	mg/L	4.00		92.1	80-120			
Selenium	0.520	0.050	mg/L	0.500		104	80-120			
Silver	0.505	0.010	mg/L	0.500		101	80-120			
Sodium	3.89	2.0	mg/L	4.00		97.3	80-120			
Thallium	0.479	0.050	mg/L	0.500		95.8	80-120			
Vanadium	0.482	0.010	mg/L	0.500		96.5	80-120			
Zinc	0.915	0.010	mg/L	1.00		91.5	80-120			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310776 - SW-846 3005A Dissolved										
LCS Dup (B310776-BSD1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Aluminum	0.503	0.050	mg/L	0.500		101	80-120	0.330	20	
Antimony	0.472	0.050	mg/L	0.500		94.3	80-120	2.53	20	
Arsenic	0.476	0.010	mg/L	0.500		95.2	80-120	3.55	20	
Barium	0.491	0.050	mg/L	0.500		98.2	80-120	1.91	20	
Beryllium	0.494	0.0040	mg/L	0.500		98.8	80-120	1.24	20	
Cadmium	0.475	0.0040	mg/L	0.500		95.0	80-120	2.34	20	
Calcium	3.87	0.50	mg/L	4.00		96.7	80-120	1.82	20	
Chromium	0.485	0.010	mg/L	0.500		97.0	80-120	1.99	20	
Cobalt	0.483	0.010	mg/L	0.500		96.6	80-120	2.19	20	
Copper	0.960	0.010	mg/L	1.00		96.0	80-120	2.16	20	
Iron	4.15	0.050	mg/L	4.00		104	80-120	0.0544	20	
Lead	0.499	0.010	mg/L	0.500		99.7	80-120	3.06	20	
Magnesium	3.79	0.050	mg/L	4.00		94.7	80-120	1.20	20	
Manganese	0.499	0.010	mg/L	0.500		99.9	80-120	0.778	20	
Nickel	0.485	0.010	mg/L	0.500		97.0	80-120	2.30	20	
Potassium	3.72	2.0	mg/L	4.00		92.9	80-120	0.877	20	
Selenium	0.527	0.050	mg/L	0.500		105	80-120	1.46	20	
Silver	0.508	0.010	mg/L	0.500		102	80-120	0.630	20	
Sodium	3.93	2.0	mg/L	4.00		98.2	80-120	0.988	20	
Thallium	0.495	0.050	mg/L	0.500		98.9	80-120	3.25	20	
Vanadium	0.493	0.010	mg/L	0.500		98.6	80-120	2.23	20	
Zinc	0.928	0.010	mg/L	1.00		92.8	80-120	1.39	20	
Batch B311581 - SW-846 7470A Dissolved										
Blank (B311581-BLK1)				Prepared & Analyzed: 06/24/22						
Mercury	ND	0.00010	mg/L							
LCS (B311581-BS1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00397	0.00010	mg/L	0.00402		98.8	80-120			
LCS Dup (B311581-BSD1)				Prepared & Analyzed: 06/24/22						
Mercury	0.00404	0.00010	mg/L	0.00402		101	80-120	1.68	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310967 - SM21-23 4500 CN E										
Blank (B310967-BLK1)				Prepared & Analyzed: 06/17/22						
Cyanide	ND	0.010	mg/L							
LCS (B310967-BS1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.4	75.5-121			E
LCS Dup (B310967-BSD1)				Prepared & Analyzed: 06/17/22						
Cyanide	0.73	0.010	mg/L	0.760		96.7	75.5-121	0.262	10.2	E

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NY,NH,ME,VA,NC
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,NC,VA
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	MA,NY,CT,NH,NC,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Cadmium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,NC,VA
Cobalt	CT,NH,NY,NC,ME,VA
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Magnesium	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,NC,ME,VA
Manganese	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,NC,VA
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,NC,VA
Sodium	CT,NH,NY,NC,ME,VA
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,RI,NC,VA
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,VA,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical

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Minneapolis, MN 55414

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Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Class & Rem. / NYSDEC
Address: 225 Atlantic Ave
Phone: 1031-447-6400 X155
Project Name: Crown Dykman
Project Location: Glen Cove, NY
Project Number: NYSDEC Site # 130054
Project Manager: Trisha Vicale
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC EQuIS EDDs
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	VOCs 8260	SVOCs 8270	TAL Metals 6010	Cyanide 9014	Dissolved TAL Metals 6010
1	MW-23S-06102022	6/10/22	0945		x	GW	U	2	2	1	1	X			
2	MW-23D-06102022	6/10/22	1030		x	GW	U	2	2	1	1	X			
3	MW-01D-06102022	6/10/22	1145		x	GW	U	2	2	1	1	X			
4	MW-01S-06102022	6/10/22	1215		x	GW	U	2	2	1	1	1			
5	MW-X-06102022	6/10/22	X		x	GW	U	2	2	1	1	1			
6	MW-1S-06102022	6/10/22	1245		x	GW	U	2	2	1	1	X			

ANALYSIS REQUESTED

Comments: Cat. B deliverables, email deliverables to Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Saviitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature) EDD SAMPLE STORAGE/Storage	Date/Time:
Relinquished by: (signature)	Date/Time: 6/13/22 1135
Received by: (signature)	Date/Time: 1135 6-13-22
Relinquished by: (signature)	Date/Time: 6/13/22 1840
Received by: (signature) 2.0/5.8	Date/Time: 6/14

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

NELAC and AIHA-LAP, LLC Accredited

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Table of Contents

FedEx® Tracking

584490589037

ADD NICKNAME

Delivered
Tuesday, 6/14/2022 at 10:24 am

SHIPMENT IS 1 OF 2 PIECES

DELIVERED

Signed for by: A.RIOS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
MELVILLE, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

2 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
584490589026 (master)	Delivered	6/13/22	6/14/22	0	MELVILLE NY	EAST LONGMEADOW MA
584490589037	Delivered	6/13/22	6/14/22	0	MELVILLE NY	EAST LONGMEADOW MA

Travel History

TIME ZONE
Local Scan Time

Tuesday, June 14, 2022

10:24 AM	EAST LONGMEADOW, MA	Delivered
9:17 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace Pace

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EAR

Received By ZA Date 6/14/20 Time 1024

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 2.0/5.8

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T Who was notified? _____

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	12	1 Liter Plastic		16 oz Amb.	
HCL-	12	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	14	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York) 22-0868

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: ENVIRONMENTAL CLASS & REM. / NYSDEC
Address: 225 ATLANTIC AVE
Phone: 1031-447-0400 X155
Project Name: Crown Lyxman
Project Location: Glen Cove, NY
Project Number: NYSDEC Site # 130054
Project Manager: Trisha Vicale
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC EQUIS EDDS
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	VOCs 8260	SVOCs 8270	TAL Metals 6010	Cyanide 9010	Dissolved TAL Metals 6010
1	MW-23S-06102022	6/10/22	0945		x	GW	U	2	2	1	1	X			
2	MW-23D-06102022	6/10/22	1030		x	GW	U	2	2	1	1	X			
MW-1D-06102022 3	~~MW-9D-06102022~~	6/10/22	1145		x	GW	U	2	2	1	1	X			
MW-1DD-06102022 4	~~MW-9I-06102022~~	6/10/22	1215		x	GW	U	2	2	1	1	1			
5	MW-X-06102022	6/10/22	X		x	GW	U	2	2	1	1	X			
MW-1-06102022 6	~~MW-1S-06102022~~	6/10/22	1245		x	GW	U	2	2	1	1	X			
sample ID revision (TV)															

Comments: Cat. B deliverables, email deliverables to Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salwitti (EAR), and Greg Mann (EAR)

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Relinquished by: (signature)	Date/Time:
	10 JUN 22 1500
Received by: (signature)	Date/Time:
EDD SAMPLE STORAGE ISSUE	
Relinquished by: (signature)	Date/Time:
	6/13/22 1135
Received by: (signature)	Date/Time:
	6-13-22 1135
Relinquished by: (signature)	Date/Time:
	6/13/22 1840
Received by: (signature)	Date/Time:
2.0/5.8	6/14

Program & Regulatory Information
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☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
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☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

NELAC and AIHA-LAP, LLC Accredited

Other
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T = Tedlar Bag
O = Other (please define)

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con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 18, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glen Cove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22I1499

Enclosed are results of analyses for samples as received by the laboratory on September 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 10/18/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1499

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glen Cove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-7RS-09222022	22I1499-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-7D-09222022	22I1499-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-30D-09222022	22I1499-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SM21-23 4500 CN E

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B318742-BSD1

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

22I1499-01[MW-7RS-09222022], 22I1499-03[MW-30D-09222022]

Copper
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022]

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

22I1499-02[MW-7D-09222022]

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

22I1499-02[MW-7D-09222022], B318759-MS1

Calcium
B318759-MSD1

Sodium
22I1499-02[MW-7D-09222022], B318759-MS1

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022]

SW-846 8270E

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

22I1499-03RE1[MW-30D-09222022]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzidine
B318373-BS1, B318373-BSD1

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BS1, B318373-BSD1

1,3-Dichlorobenzene
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1

1,4-Dichlorobenzene
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1

Hexachlorocyclopentadiene
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1

Hexachloroethane
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzoic Acid
B318373-BSD1

Hexachloroethane
B319872-BS1

N-Nitrosodimethylamine
B319872-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
B319872-BS1

1,3-Dichlorobenzene
B319872-BS1

1,4-Dichlorobenzene
B319872-BS1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Benzoic Acid
22I1499-02[MW-7D-09222022], B318373-MS1, B318373-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BSD1

1,3-Dichlorobenzene
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BSD1

1,4-Dichlorobenzene
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BSD1

Hexachlorobutadiene
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BS1, B319872-BSD1

S-03

Surrogate recovery outside of control limits due to suspected sample matrix interference.

Analyte & Samples(s) Qualified:

2-Fluorophenol
22I1499-03RE1[MW-30D-09222022]

Phenol-d6
22I1499-03RE1[MW-30D-09222022]

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S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:

2-Fluorophenol
22I1499-03[MW-30D-09222022]

Phenol-d6
22I1499-03[MW-30D-09222022]

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, S077682-CCV1

Benzidine
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, S077682-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, S077682-CCV1

Aniline
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BS1, B319872-BSD1, S078021-CCV1

Benzidine
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], 22I1499-03RE1[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, B319872-BLK1, B319872-BS1, B319872-BSD1, S077682-CCV1, S078021-CCV1

Hexachlorocyclopentadiene
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, S077682-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4,6-Dinitro-2-methylphenol
22I1499-03RE1[MW-30D-09222022], B319872-BLK1, B319872-BS1, B319872-BSD1, S078021-CCV1

Benzidine
22I1499-01[MW-7RS-09222022], 22I1499-02[MW-7D-09222022], 22I1499-03[MW-30D-09222022], 22I1499-03RE1[MW-30D-09222022], B318373-BLK1, B318373-BS1, B318373-BSD1, B318373-MS1, B318373-MSD1, B319872-BLK1, B319872-BS1, B319872-BSD1, S074943-ICV1, S077682-CCV1, S078021-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
tert-Butylbenzene	2.1	10	1.3	µg/L	10	J	SW-846 8260D	9/27/22	9/27/22 18:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Chloromethane	ND	20	5.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1-Dichloroethylene	2.9	10	1.4	µg/L	10	J	SW-846 8260D	9/27/22	9/27/22 18:36	EEH
cis-1,2-Dichloroethylene	620	10	1.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Methyl tert-Butyl Ether (MTBE)	3.7	10	1.7	µg/L	10	J	SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Naphthalene	ND	20	2.4	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Tetrachloroethylene	21	10	1.9	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Trichloroethylene	23	10	1.9	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
Vinyl Chloride	55	20	2.1	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	9/27/22	9/27/22 18:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		9/27/22 18:36
Toluene-d8	100	70-130		9/27/22 18:36
4-Bromofluorobenzene	98.7	70-130		9/27/22 18:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/29/22	10/6/22 16:40	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.2	15-110		10/6/22 16:40
Phenol-d6	28.7	15-110		10/6/22 16:40
Nitrobenzene-d5	82.5	30-130		10/6/22 16:40
2-Fluorobiphenyl	70.1	30-130		10/6/22 16:40
2,4,6-Tribromophenol	78.2	15-110		10/6/22 16:40
p-Terphenyl-d14	80.8	30-130		10/6/22 16:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Antimony	0.0095	0.050	0.0089	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Barium	0.028	0.050	0.0056	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Calcium	53	0.50	0.11	mg/L	1		SW-846 6010D	10/4/22	10/12/22 16:36	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Cobalt	0.0074	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Copper	0.0097	0.010	0.0036	mg/L	1	B, J	SW-846 6010D	10/4/22	10/12/22 16:36	MJH
Iron	0.020	0.050	0.019	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Magnesium	16	0.050	0.0095	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Manganese	6.0	0.010	0.0017	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:10	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Potassium	4.0	2.0	0.30	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Selenium	0.013	0.050	0.011	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Sodium	65	2.0	0.53	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Vanadium	0.0067	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW
Zinc	0.0068	0.010	0.0042	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:09	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7RS-09222022 | Sampled: 9/22/2022 09:27

Sample ID: 22I1499-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0042	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	9/27/22	9/28/22 11:05	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1-Dichloroethylene	1.3	4.0	0.57	µg/L	4	J	SW-846 8260D	9/28/22	9/30/22 15:21	EEH
cis-1,2-Dichloroethylene	290	4.0	0.59	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
trans-1,2-Dichloroethylene	ND	4.0	0.67	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Methyl tert-Butyl Ether (MTBE)	1.7	4.0	0.69	µg/L	4	J	SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Tetrachloroethylene	13	4.0	0.75	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Tetrahydrofuran	9.4	40	2.0	µg/L	4	J	SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Trichloroethylene	7.2	4.0	0.76	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
Vinyl Chloride	3.0	8.0	0.83	µg/L	4	J	SW-846 8260D	9/28/22	9/30/22 15:21	EEH
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	9/28/22	9/30/22 15:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		9/30/22 15:21
Toluene-d8	99.5	70-130		9/30/22 15:21
4-Bromofluorobenzene	98.1	70-130		9/30/22 15:21

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1	MS-09	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:02	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.2	15-110		10/6/22 17:02
Phenol-d6	27.3	15-110		10/6/22 17:02
Nitrobenzene-d5	84.1	30-130		10/6/22 17:02
2-Fluorobiphenyl	66.6	30-130		10/6/22 17:02
2,4,6-Tribromophenol	74.6	15-110		10/6/22 17:02
p-Terphenyl-d14	76.1	30-130		10/6/22 17:02

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.80	0.050	0.015	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Antimony	0.014	0.050	0.0089	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Barium	0.061	0.050	0.0056	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Calcium	70	0.50	0.11	mg/L	1		SW-846 6010D	10/4/22	10/12/22 16:31	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Cobalt	0.0027	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Copper	0.012	0.010	0.0036	mg/L	1	B	SW-846 6010D	10/4/22	10/12/22 16:31	MJH
Iron	2.7	0.050	0.019	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Manganese	7.3	0.010	0.0017	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:12	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Potassium	8.0	2.0	0.30	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Sodium	48	2.0	0.53	mg/L	1	MS-19	SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Vanadium	0.0080	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:04	QNW
Zinc	0.12	0.010	0.0042	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:04	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-7D-09222022 | Sampled: 9/22/2022 10:25

Sample ID: 22I1499-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.011	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Acrylonitrile	ND	25	2.7	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	0.71	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Bromobenzene	ND	5.0	0.75	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
2-Butanone (MEK)	ND	100	8.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
tert-Butyl Alcohol (TBA)	ND	100	23	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
n-Butylbenzene	ND	5.0	0.76	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
sec-Butylbenzene	ND	5.0	0.55	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
tert-Butylbenzene	ND	5.0	0.64	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	0.74	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
2-Chlorotoluene	ND	5.0	0.57	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
4-Chlorotoluene	ND	5.0	0.59	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Dibromomethane	ND	5.0	1.8	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
trans-1,4-Dichloro-2-butene	ND	10	8.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1-Dichloroethylene	ND	5.0	0.71	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
cis-1,2-Dichloroethylene	490	5.0	0.73	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
trans-1,2-Dichloroethylene	5.4	5.0	0.84	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,3-Dichloropropane	ND	2.5	0.65	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
2,2-Dichloropropane	ND	5.0	1.6	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1-Dichloropropene	ND	10	0.75	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Diethyl Ether	ND	10	0.91	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	0.64	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Hexachlorobutadiene	ND	3.0	2.3	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	0.49	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Naphthalene	ND	10	1.2	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
n-Propylbenzene	ND	5.0	0.43	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	0.89	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Tetrachloroethylene	10	5.0	0.94	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Tetrahydrofuran	8.4	50	2.5	µg/L	5	J	SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Toluene	1.4	5.0	1.1	µg/L	5	J	SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,3,5-Trichlorobenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Trichloroethylene	13	5.0	0.95	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2,3-Trichloropropane	ND	10	1.4	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,2,4-Trimethylbenzene	ND	5.0	0.99	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
1,3,5-Trimethylbenzene	ND	5.0	0.57	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
Vinyl Chloride	8.2	10	1.0	µg/L	5	J	SW-846 8260D	9/27/22	9/27/22 19:29	EEH
m+p Xylene	ND	10	2.3	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH
o-Xylene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/27/22	9/27/22 19:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		9/27/22 19:29
Toluene-d8	101	70-130		9/27/22 19:29
4-Bromofluorobenzene	97.3	70-130		9/27/22 19:29

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Aniline	ND	4.9	0.68	µg/L	1	V-05	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzidine	ND	20	10	µg/L	1	V-05, V-35	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1	R-05	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1	R-05	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1	R-05	SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1	L-04	SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	10/13/22	10/15/22 17:25	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/29/22	10/6/22 17:25	CLA

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**11.4**	*	15-110	S-03	10/15/22 17:25
2-Fluorophenol	**7.70**	*	15-110	S-19	10/6/22 17:25
Phenol-d6	**8.74**	*	15-110	S-03	10/15/22 17:25
Phenol-d6	**5.44**	*	15-110	S-19	10/6/22 17:25
Nitrobenzene-d5	55.1		30-130		10/15/22 17:25
Nitrobenzene-d5	82.8		30-130		10/6/22 17:25
2-Fluorobiphenyl	92.7		30-130		10/15/22 17:25
2-Fluorobiphenyl	64.6		30-130		10/6/22 17:25
2,4,6-Tribromophenol	72.9		15-110		10/15/22 17:25
2,4,6-Tribromophenol	41.2		15-110		10/6/22 17:25
p-Terphenyl-d14	112		30-130		10/15/22 17:25
p-Terphenyl-d14	72.7		30-130		10/6/22 17:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.029	0.050	0.015	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Antimony	0.013	0.050	0.0089	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Barium	0.058	0.050	0.0056	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Calcium	55	0.50	0.11	mg/L	1		SW-846 6010D	10/4/22	10/12/22 16:41	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Copper	0.019	0.010	0.0036	mg/L	1	B	SW-846 6010D	10/4/22	10/12/22 16:41	MJH
Iron	0.31	0.050	0.019	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Manganese	7.3	0.010	0.0017	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Mercury	0.00019	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 12:37	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Potassium	7.1	2.0	0.30	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Sodium	150	2.0	0.53	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Vanadium	0.0094	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:15	QNW
Zinc	0.0096	0.010	0.0042	mg/L	1	J	SW-846 6010D	10/4/22	10/5/22 19:15	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1499

Date Received: 9/24/2022

Field Sample #: MW-30D-09222022 | Sampled: 9/22/2022 12:00

Sample ID: 22I1499-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	9/27/22	9/28/22 11:05	DRA

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Sample Extraction Data

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-01 [MW-7RS-09222022]	B318164	50.0	50.0	09/27/22
22I1499-03 [MW-30D-09222022]	B318164	50.0	50.0	09/27/22

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-02 [MW-7D-09222022]	B318742	50.0	50.0	10/04/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-01 [MW-7RS-09222022]	B318759	50.0	50.0	10/04/22
22I1499-02 [MW-7D-09222022]	B318759	50.0	50.0	10/04/22
22I1499-03 [MW-30D-09222022]	B318759	50.0	50.0	10/04/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-03 [MW-30D-09222022]	B318267	10.0	10.0	09/29/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-01 [MW-7RS-09222022]	B318269	10.0	10.0	09/28/22
22I1499-02 [MW-7D-09222022]	B318269	10.0	10.0	09/28/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-01 [MW-7RS-09222022]	B318150	0.5	5.00	09/27/22
22I1499-03 [MW-30D-09222022]	B318150	1	5.00	09/27/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-02 [MW-7D-09222022]	B318244	1.25	5.00	09/28/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-01 [MW-7RS-09222022]	B318373	1020	1.00	09/29/22
22I1499-02 [MW-7D-09222022]	B318373	1020	1.00	09/29/22
22I1499-03 [MW-30D-09222022]	B318373	1020	1.00	09/29/22

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Sample Extraction Data

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1499-03RE1 [MW-30D-09222022]	B319872	1020	1.00	10/13/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
Blank (B318150-BLK1)				Prepared & Analyzed: 09/27/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
Blank (B318150-BLK1)				Prepared & Analyzed: 09/27/22						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
Acetone	111	50	µg/L	100		111	70-160			†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130			
tert-Amyl Methyl Ether (TAME)	10.8	0.50	µg/L	10.0		108	70-130			
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	10.2	1.0	µg/L	10.0		102	70-130			
Bromomethane	12.3	2.0	µg/L	10.0		123	40-160			†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160			†
tert-Butyl Alcohol (TBA)	108	20	µg/L	100		108	40-160			†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130			
Carbon Disulfide	113	5.0	µg/L	100		113	70-130			
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	11.2	2.0	µg/L	10.0		112	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,4-Dichloro-2-butene	9.54	2.0	µg/L	10.0		95.4	70-130			
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
2,2-Dichloropropane	9.44	1.0	µg/L	10.0		94.4	40-130			†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
Diethyl Ether	10.7	2.0	µg/L	10.0		107	70-130			
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dioxane	93.3	50	µg/L	100		93.3	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Naphthalene	10.8	2.0	µg/L	10.0		108	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	10.9	5.0	µg/L	10.0		109	70-130			
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Vinyl Chloride	10.9	2.0	µg/L	10.0		109	40-160			†
m+p Xylene	20.9	2.0	µg/L	20.0		104	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.8	70-130			
LCS Dup (B318150-BSD1)				Prepared & Analyzed: 09/27/22						
Acetone	108	50	µg/L	100		108	70-160	2.97	25	†
Acrylonitrile	9.97	5.0	µg/L	10.0		99.7	70-130	1.89	25	
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130	1.74	25	
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.22	25	
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.189	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	4.09	25	
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	2.42	25	
Bromoform	10.5	1.0	µg/L	10.0		105	70-130	2.61	25	
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160	1.54	25	†
2-Butanone (MEK)	108	20	µg/L	100		108	40-160	2.09	25	†
tert-Butyl Alcohol (TBA)	106	20	µg/L	100		106	40-160	1.94	25	†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.46	25	
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.31	25	
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25	
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130	0.468	25	
Carbon Disulfide	117	5.0	µg/L	100		117	70-130	3.83	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	1.93	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.90	25	
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	1.81	25	
Chloroethane	11.4	2.0	µg/L	10.0		114	70-130	1.77	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	4.58	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	6.14	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	3.40	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	0.681	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.24	25	
Dibromomethane	11.1	1.0	µg/L	10.0		111	70-130	0.271	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.379	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.23	25	
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.23	25	
trans-1,4-Dichloro-2-butene	9.23	2.0	µg/L	10.0		92.3	70-130	3.30	25	
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160	0.561	25	†
1,1-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130	4.79	25	
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.15	25	
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	5.23	25	
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.76	25	
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	4.37	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	1.10	25	
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130	1.62	25	
2,2-Dichloropropane	9.81	1.0	µg/L	10.0		98.1	40-130	3.84	25	†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	2.12	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS Dup (B318150-BSD1)				Prepared & Analyzed: 09/27/22						
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.476	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	1.24	25	
Diethyl Ether	10.8	2.0	µg/L	10.0		108	70-130	1.49	25	
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130	0.471	25	
1,4-Dioxane	92.3	50	µg/L	100		92.3	40-130	1.09	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.97	25	
Hexachlorobutadiene	9.53	0.60	µg/L	10.0		95.3	70-130	6.20	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	2.20	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130	2.19	25	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103	70-130	1.36	25	
Methyl Acetate	10.5	1.0	µg/L	10.0		105	70-130	1.88	25	
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130	3.04	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	3.68	25	
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130	3.80	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	1.29	25	†
Naphthalene	10.3	2.0	µg/L	10.0		103	40-130	3.98	25	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130	2.29	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	2.41	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.65	25	
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	2.10	25	
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.01	25	
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130	0.859	25	
Toluene	11.0	1.0	µg/L	10.0		110	70-130	2.95	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	6.35	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.80	25	
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.27	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	4.80	25	
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.819	25	
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	70-130	6.22	25	
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130	1.03	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	1.0	µg/L	10.0		118	70-130	4.44	25	
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.81	25	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	2.20	25	
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160	5.61	25	†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130	2.46	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	2.11	25	
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130			
Batch B318244 - SW-846 5030B										
Blank (B318244-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Blank (B318244-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Difluorochloromethane (Freon 22)	ND	1.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Blank (B318244-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.4	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0	70-130			
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	100	50	µg/L	100		100	70-160			†
Acrylonitrile	9.50	5.0	µg/L	10.0		95.0	70-130			
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130			
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130			
Bromoform	9.66	1.0	µg/L	10.0		96.6	70-130			
Bromomethane	9.49	2.0	µg/L	10.0		94.9	40-160			†
2-Butanone (MEK)	99.6	20	µg/L	100		99.6	40-160			†
tert-Butyl Alcohol (TBA)	98.1	20	µg/L	100		98.1	40-160			†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.97	0.50	µg/L	10.0		99.7	70-130			
Carbon Disulfide	115	5.0	µg/L	100		115	70-130			
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130			
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	9.18	2.0	µg/L	10.0		91.8	40-160			†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,4-Dichloro-2-butene	8.39	2.0	µg/L	10.0		83.9	70-130			
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160			†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichloroethane	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130			
2,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	40-130			†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130			
Difluorochloromethane (Freon 22)	10.4	1.0	µg/L	10.0		104	70-130			
Diisopropyl Ether (DIPE)	9.78	0.50	µg/L	10.0		97.8	70-130			
1,4-Dioxane	88.4	50	µg/L	100		88.4	40-130			†
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Hexachlorobutadiene	9.42	0.60	µg/L	10.0		94.2	70-130			
2-Hexanone (MBK)	96.7	10	µg/L	100		96.7	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	9.38	1.0	µg/L	10.0		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	97.3	10	µg/L	100		97.3	70-160			†
Naphthalene	9.88	2.0	µg/L	10.0		98.8	40-130			†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
Tetrahydrofuran	9.35	10	µg/L	10.0		93.5	70-130			J
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	9.97	5.0	µg/L	10.0		99.7	70-130			
1,2,4-Trichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130			
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130			
1,2,3-Trichloropropane	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130			
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160			†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.5	70-130			
LCS Dup (B318244-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	104	50	µg/L	100		104	70-160	3.68	25	†
Acrylonitrile	9.53	5.0	µg/L	10.0		95.3	70-130	0.315	25	
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130	0.680	25	
Benzene	10.6	1.0	µg/L	10.0		106	70-130	1.34	25	
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.08	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	2.27	25	
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	0.689	25	
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	4.06	25	
Bromomethane	10.2	2.0	µg/L	10.0		102	40-160	6.72	25	†
2-Butanone (MEK)	102	20	µg/L	100		102	40-160	1.90	25	†
tert-Butyl Alcohol (TBA)	98.3	20	µg/L	100		98.3	40-160	0.255	25	†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.37	25	
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.394	25	
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.87	25	
tert-Butyl Ethyl Ether (TBEE)	10.3	0.50	µg/L	10.0		103	70-130	3.06	25	
Carbon Disulfide	113	5.0	µg/L	100		113	70-130	2.20	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	1.47	25	
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.378	25	
Chlorodibromomethane	9.86	0.50	µg/L	10.0		98.6	70-130	1.41	25	
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130	2.19	25	
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.0988	25	
Chloromethane	9.11	2.0	µg/L	10.0		91.1	40-160	0.765	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	2.24	25	
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	0.860	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.44	5.0	µg/L	10.0		94.4	70-130	1.82	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	0.862	25	
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	1.57	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.786	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.18	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.65	25	
trans-1,4-Dichloro-2-butene	8.44	2.0	µg/L	10.0		84.4	70-130	0.594	25	
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	5.23	25	†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.280	25	
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	1.53	25	
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.70	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.41	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.22	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	1.04	25	
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	0.839	25	
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130	1.45	25	†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	1.40	25	
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	1.45	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.00	25	
Diethyl Ether	10.5	2.0	µg/L	10.0		105	70-130	2.11	25	
Difluorochloromethane (Freon 22)	10.3	1.0	µg/L	10.0		103	70-130	0.675	25	
Diisopropyl Ether (DIPE)	9.89	0.50	µg/L	10.0		98.9	70-130	1.12	25	
1,4-Dioxane	92.0	50	µg/L	100		92.0	40-130	3.94	50	† ‡

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
LCS Dup (B318244-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.03	25	
Hexachlorobutadiene	9.80	0.60	µg/L	10.0		98.0	70-130	3.95	25	
2-Hexanone (MBK)	97.7	10	µg/L	100		97.7	70-160	1.05	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	2.12	25	
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130	1.78	25	
Methyl Acetate	10.0	1.0	µg/L	10.0		100	70-130	6.70	25	
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	3.09	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	3.38	25	
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	98.0	10	µg/L	100		98.0	70-160	0.768	25	†
Naphthalene	9.83	2.0	µg/L	10.0		98.3	40-130	0.507	25	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.40	25	
Styrene	10.5	1.0	µg/L	10.0		105	70-130	1.89	25	
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	1.46	25	
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	1.57	25	
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	3.04	25	
Tetrahydrofuran	9.12	10	µg/L	10.0		91.2	70-130	2.49	25	J
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.78	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	2.77	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.19	25	
1,3,5-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	2.66	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.480	25	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	1.16	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	5.13	25	
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	2.29	25	
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130	2.55	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0		114	70-130	1.13	25	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25	
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	2.28	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	0.854	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	1.56	25	
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130			
Matrix Spike (B318244-MS1)		**Source: 22I1499-02**		Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	422	200	µg/L	400	ND	106	70-130			
Acrylonitrile	37.8	20	µg/L	40.0	ND	94.4	70-130			
tert-Amyl Methyl Ether (TAME)	42.2	2.0	µg/L	40.0	ND	106	70-130			
Benzene	44.6	4.0	µg/L	40.0	ND	112	70-130			
Bromobenzene	40.3	4.0	µg/L	40.0	ND	101	70-130			
Bromochloromethane	44.9	4.0	µg/L	40.0	ND	112	70-130			
Bromodichloromethane	41.6	2.0	µg/L	40.0	ND	104	70-130			
Bromoform	37.8	4.0	µg/L	40.0	ND	94.4	70-130			
Bromomethane	40.1	8.0	µg/L	40.0	ND	100	70-130			
2-Butanone (MEK)	408	80	µg/L	400	ND	102	70-130			
tert-Butyl Alcohol (TBA)	395	80	µg/L	400	ND	98.7	70-130			
n-Butylbenzene	41.1	4.0	µg/L	40.0	ND	103	70-130			
sec-Butylbenzene	42.6	4.0	µg/L	40.0	ND	106	70-130			
tert-Butylbenzene	43.0	4.0	µg/L	40.0	ND	107	70-130			
tert-Butyl Ethyl Ether (TBEE)	41.2	2.0	µg/L	40.0	ND	103	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Matrix Spike (B318244-MS1)	**Source: 22I1499-02**			Prepared: 09/28/22 Analyzed: 09/30/22						
Carbon Disulfide	491	20	µg/L	400	ND	123	70-130			
Carbon Tetrachloride	43.2	20	µg/L	40.0	ND	108	70-130			
Chlorobenzene	43.0	4.0	µg/L	40.0	ND	107	70-130			
Chlorodibromomethane	39.0	2.0	µg/L	40.0	ND	97.5	70-130			
Chloroethane	50.7	8.0	µg/L	40.0	ND	127	70-130			
Chloroform	41.9	8.0	µg/L	40.0	ND	105	70-130			
Chloromethane	36.8	8.0	µg/L	40.0	ND	92.1	70-130			
2-Chlorotoluene	40.9	4.0	µg/L	40.0	ND	102	70-130			
4-Chlorotoluene	42.0	4.0	µg/L	40.0	ND	105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	34.0	20	µg/L	40.0	ND	84.9	70-130			
1,2-Dibromoethane (EDB)	41.9	2.0	µg/L	40.0	ND	105	70-130			
Dibromomethane	42.3	4.0	µg/L	40.0	ND	106	70-130			
1,2-Dichlorobenzene	41.7	4.0	µg/L	40.0	ND	104	70-130			
1,3-Dichlorobenzene	41.0	4.0	µg/L	40.0	ND	103	70-130			
1,4-Dichlorobenzene	41.6	4.0	µg/L	40.0	ND	104	70-130			
trans-1,4-Dichloro-2-butene	30.6	8.0	µg/L	40.0	ND	76.5	70-130			
Dichlorodifluoromethane (Freon 12)	47.2	8.0	µg/L	40.0	ND	118	70-130			
1,1-Dichloroethane	46.3	4.0	µg/L	40.0	ND	116	70-130			
1,2-Dichloroethane	41.5	4.0	µg/L	40.0	ND	104	70-130			
1,1-Dichloroethylene	49.4	4.0	µg/L	40.0	1.32	120	70-130			
cis-1,2-Dichloroethylene	331	4.0	µg/L	40.0	287	110	70-130			
trans-1,2-Dichloroethylene	45.5	4.0	µg/L	40.0	ND	114	70-130			
1,2-Dichloropropane	44.2	4.0	µg/L	40.0	ND	110	70-130			
1,3-Dichloropropane	43.0	2.0	µg/L	40.0	ND	108	70-130			
2,2-Dichloropropane	36.9	4.0	µg/L	40.0	ND	92.2	70-130			
1,1-Dichloropropene	46.4	8.0	µg/L	40.0	ND	116	70-130			
cis-1,3-Dichloropropene	40.0	2.0	µg/L	40.0	ND	100	70-130			
trans-1,3-Dichloropropene	39.0	2.0	µg/L	40.0	ND	97.4	70-130			
Diethyl Ether	42.7	8.0	µg/L	40.0	ND	107	70-130			
Difluorochloromethane (Freon 22)	48.2	4.0	µg/L	40.0	ND	120	70-130			
Diisopropyl Ether (DIPE)	41.1	2.0	µg/L	40.0	ND	103	70-130			
1,4-Dioxane	362	200	µg/L	400	ND	90.5	70-130			
Ethylbenzene	43.6	4.0	µg/L	40.0	ND	109	70-130			
Hexachlorobutadiene	40.9	2.4	µg/L	40.0	ND	102	70-130			
2-Hexanone (MBK)	395	40	µg/L	400	ND	98.6	70-130			
Isopropylbenzene (Cumene)	42.7	4.0	µg/L	40.0	ND	107	70-130			
p-Isopropyltoluene (p-Cymene)	41.4	4.0	µg/L	40.0	ND	103	70-130			
Methyl Acetate	37.2	4.0	µg/L	40.0	ND	92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	42.4	4.0	µg/L	40.0	1.68	102	70-130			
Methyl Cyclohexane	44.8	4.0	µg/L	40.0	ND	112	70-130			
Methylene Chloride	42.7	20	µg/L	40.0	ND	107	70-130			
4-Methyl-2-pentanone (MIBK)	396	40	µg/L	400	ND	99.0	70-130			
Naphthalene	38.4	8.0	µg/L	40.0	ND	96.1	70-130			
n-Propylbenzene	42.6	4.0	µg/L	40.0	ND	106	70-130			
Styrene	42.6	4.0	µg/L	40.0	ND	107	70-130			
1,1,1,2-Tetrachloroethane	41.1	4.0	µg/L	40.0	ND	103	70-130			
1,1,2,2-Tetrachloroethane	40.7	2.0	µg/L	40.0	ND	102	70-130			
Tetrachloroethylene	57.4	4.0	µg/L	40.0	12.9	111	70-130			
Tetrahydrofuran	48.0	40	µg/L	40.0	9.44	96.3	70-130			
Toluene	44.5	4.0	µg/L	40.0	ND	111	70-130			
1,2,3-Trichlorobenzene	39.4	20	µg/L	40.0	ND	98.4	70-130			
1,2,4-Trichlorobenzene	40.1	4.0	µg/L	40.0	ND	100	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Matrix Spike (B318244-MS1)	**Source: 22I1499-02**			Prepared: 09/28/22 Analyzed: 09/30/22						
1,3,5-Trichlorobenzene	40.4	4.0	µg/L	40.0	ND	101	70-130			
1,1,1-Trichloroethane	45.2	4.0	µg/L	40.0	ND	113	70-130			
1,1,2-Trichloroethane	43.5	4.0	µg/L	40.0	ND	109	70-130			
Trichloroethylene	52.8	4.0	µg/L	40.0	7.24	114	70-130			
Trichlorofluoromethane (Freon 11)	49.1	8.0	µg/L	40.0	ND	123	70-130			
1,2,3-Trichloropropane	40.5	8.0	µg/L	40.0	ND	101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.2	4.0	µg/L	40.0	ND	128	70-130			
1,2,4-Trimethylbenzene	42.1	4.0	µg/L	40.0	ND	105	70-130			
1,3,5-Trimethylbenzene	42.3	4.0	µg/L	40.0	ND	106	70-130			
Vinyl Chloride	53.4	8.0	µg/L	40.0	3.00	126	70-130			
m+p Xylene	86.8	8.0	µg/L	80.0	ND	108	70-130			
o-Xylene	41.9	4.0	µg/L	40.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.5	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130			
Matrix Spike Dup (B318244-MSD1)	**Source: 22I1499-02**			Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	387	200	µg/L	400	ND	96.6	70-130	8.87	30	
Acrylonitrile	36.6	20	µg/L	40.0	ND	91.5	70-130	3.12	30	
tert-Amyl Methyl Ether (TAME)	40.2	2.0	µg/L	40.0	ND	100	70-130	4.95	30	
Benzene	43.0	4.0	µg/L	40.0	ND	107	70-130	3.75	30	
Bromobenzene	39.7	4.0	µg/L	40.0	ND	99.2	70-130	1.60	30	
Bromochloromethane	43.1	4.0	µg/L	40.0	ND	108	70-130	4.09	30	
Bromodichloromethane	39.5	2.0	µg/L	40.0	ND	98.8	70-130	5.13	30	
Bromoform	36.2	4.0	µg/L	40.0	ND	90.4	70-130	4.33	30	
Bromomethane	34.8	8.0	µg/L	40.0	ND	87.0	70-130	14.1	30	
2-Butanone (MEK)	380	80	µg/L	400	ND	94.9	70-130	7.19	30	
tert-Butyl Alcohol (TBA)	361	80	µg/L	400	ND	90.2	70-130	8.99	30	
n-Butylbenzene	39.0	4.0	µg/L	40.0	ND	97.6	70-130	5.09	30	
sec-Butylbenzene	39.6	4.0	µg/L	40.0	ND	99.0	70-130	7.21	30	
tert-Butylbenzene	39.8	4.0	µg/L	40.0	ND	99.5	70-130	7.64	30	
tert-Butyl Ethyl Ether (TBEE)	39.6	2.0	µg/L	40.0	ND	98.9	70-130	4.06	30	
Carbon Disulfide	453	20	µg/L	400	ND	113	70-130	7.99	30	
Carbon Tetrachloride	41.2	20	µg/L	40.0	ND	103	70-130	4.83	30	
Chlorobenzene	40.6	4.0	µg/L	40.0	ND	101	70-130	5.75	30	
Chlorodibromomethane	37.2	2.0	µg/L	40.0	ND	93.1	70-130	4.62	30	
Chloroethane	43.8	8.0	µg/L	40.0	ND	109	70-130	14.7	30	
Chloroform	40.3	8.0	µg/L	40.0	ND	101	70-130	3.89	30	
Chloromethane	36.5	8.0	µg/L	40.0	ND	91.3	70-130	0.872	30	
2-Chlorotoluene	39.5	4.0	µg/L	40.0	ND	98.7	70-130	3.48	30	
4-Chlorotoluene	39.9	4.0	µg/L	40.0	ND	99.8	70-130	5.08	30	
1,2-Dibromo-3-chloropropane (DBCP)	32.6	20	µg/L	40.0	ND	81.5	70-130	4.09	30	
1,2-Dibromoethane (EDB)	39.4	2.0	µg/L	40.0	ND	98.4	70-130	6.30	30	
Dibromomethane	41.5	4.0	µg/L	40.0	ND	104	70-130	1.81	30	
1,2-Dichlorobenzene	38.7	4.0	µg/L	40.0	ND	96.8	70-130	7.46	30	
1,3-Dichlorobenzene	38.0	4.0	µg/L	40.0	ND	95.0	70-130	7.69	30	
1,4-Dichlorobenzene	39.3	4.0	µg/L	40.0	ND	98.3	70-130	5.73	30	
trans-1,4-Dichloro-2-butene	29.4	8.0	µg/L	40.0	ND	73.5	70-130	4.00	30	
Dichlorodifluoromethane (Freon 12)	40.6	8.0	µg/L	40.0	ND	101	70-130	15.1	30	
1,1-Dichloroethane	42.7	4.0	µg/L	40.0	ND	107	70-130	8.00	30	
1,2-Dichloroethane	39.8	4.0	µg/L	40.0	ND	99.4	70-130	4.23	30	
1,1-Dichloroethylene	45.6	4.0	µg/L	40.0	1.32	111	70-130	8.00	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Matrix Spike Dup (B318244-MSD1)	**Source: 22I1499-02**			Prepared: 09/28/22 Analyzed: 09/30/22						
cis-1,2-Dichloroethylene	328	4.0	µg/L	40.0	287	102	70-130	1.04	30	
trans-1,2-Dichloroethylene	44.4	4.0	µg/L	40.0	ND	111	70-130	2.49	30	
1,2-Dichloropropane	41.7	4.0	µg/L	40.0	ND	104	70-130	5.77	30	
1,3-Dichloropropane	39.7	2.0	µg/L	40.0	ND	99.3	70-130	7.93	30	
2,2-Dichloropropane	34.9	4.0	µg/L	40.0	ND	87.2	70-130	5.57	30	
1,1-Dichloropropene	43.5	8.0	µg/L	40.0	ND	109	70-130	6.41	30	
cis-1,3-Dichloropropene	37.8	2.0	µg/L	40.0	ND	94.5	70-130	5.76	30	
trans-1,3-Dichloropropene	36.6	2.0	µg/L	40.0	ND	91.5	70-130	6.25	30	
Diethyl Ether	40.8	8.0	µg/L	40.0	ND	102	70-130	4.50	30	
Difluorochloromethane (Freon 22)	44.1	4.0	µg/L	40.0	ND	110	70-130	8.84	30	
Diisopropyl Ether (DIPE)	39.5	2.0	µg/L	40.0	ND	98.7	70-130	3.97	30	
1,4-Dioxane	342	200	µg/L	400	ND	85.5	70-130	5.62	30	
Ethylbenzene	41.2	4.0	µg/L	40.0	ND	103	70-130	5.85	30	
Hexachlorobutadiene	37.8	2.4	µg/L	40.0	ND	94.6	70-130	7.82	30	
2-Hexanone (MBK)	366	40	µg/L	400	ND	91.5	70-130	7.50	30	
Isopropylbenzene (Cumene)	40.2	4.0	µg/L	40.0	ND	100	70-130	6.08	30	
p-Isopropyltoluene (p-Cymene)	38.7	4.0	µg/L	40.0	ND	96.7	70-130	6.70	30	
Methyl Acetate	33.7	4.0	µg/L	40.0	ND	84.2	70-130	9.82	30	
Methyl tert-Butyl Ether (MTBE)	39.8	4.0	µg/L	40.0	1.68	95.3	70-130	6.23	30	
Methyl Cyclohexane	42.2	4.0	µg/L	40.0	ND	106	70-130	5.98	30	
Methylene Chloride	40.4	20	µg/L	40.0	ND	101	70-130	5.68	30	
4-Methyl-2-pentanone (MIBK)	371	40	µg/L	400	ND	92.7	70-130	6.55	30	
Naphthalene	36.6	8.0	µg/L	40.0	ND	91.4	70-130	5.01	30	
n-Propylbenzene	40.2	4.0	µg/L	40.0	ND	100	70-130	5.80	30	
Styrene	40.2	4.0	µg/L	40.0	ND	101	70-130	5.79	30	
1,1,1,2-Tetrachloroethane	38.5	4.0	µg/L	40.0	ND	96.2	70-130	6.54	30	
1,1,2,2-Tetrachloroethane	38.2	2.0	µg/L	40.0	ND	95.6	70-130	6.28	30	
Tetrachloroethylene	55.1	4.0	µg/L	40.0	12.9	106	70-130	3.98	30	
Tetrahydrofuran	45.8	40	µg/L	40.0	9.44	90.8	70-130	4.69	30	
Toluene	41.5	4.0	µg/L	40.0	ND	104	70-130	6.88	30	
1,2,3-Trichlorobenzene	37.4	20	µg/L	40.0	ND	93.5	70-130	5.11	30	
1,2,4-Trichlorobenzene	38.6	4.0	µg/L	40.0	ND	96.6	70-130	3.76	30	
1,3,5-Trichlorobenzene	38.0	4.0	µg/L	40.0	ND	95.1	70-130	6.02	30	
1,1,1-Trichloroethane	42.1	4.0	µg/L	40.0	ND	105	70-130	7.06	30	
1,1,2-Trichloroethane	40.2	4.0	µg/L	40.0	ND	100	70-130	8.03	30	
Trichloroethylene	48.4	4.0	µg/L	40.0	7.24	103	70-130	8.62	30	
Trichlorofluoromethane (Freon 11)	45.4	8.0	µg/L	40.0	ND	114	70-130	7.78	30	
1,2,3-Trichloropropane	37.2	8.0	µg/L	40.0	ND	92.9	70-130	8.65	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.6	4.0	µg/L	40.0	ND	117	70-130	9.32	30	
1,2,4-Trimethylbenzene	39.3	4.0	µg/L	40.0	ND	98.3	70-130	6.78	30	
1,3,5-Trimethylbenzene	39.9	4.0	µg/L	40.0	ND	99.8	70-130	5.74	30	
Vinyl Chloride	49.0	8.0	µg/L	40.0	3.00	115	70-130	8.60	30	
m+p Xylene	82.2	8.0	µg/L	80.0	ND	103	70-130	5.35	20	
o-Xylene	40.1	4.0	µg/L	40.0	ND	100	70-130	4.29	30	
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.2	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318373 - SW-846 3510C										
Blank (B318373-BLK1)				Prepared: 09/29/22 Analyzed: 10/06/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-04, V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							L-04
1,4-Dichlorobenzene	ND	5.0	µg/L							L-04
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	10	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318373 - SW-846 3510C											
Blank (B318373-BLK1)				Prepared: 09/29/22 Analyzed: 10/06/22							
2-Methylphenol	ND	10	µg/L								
3/4-Methylphenol	ND	10	µg/L								
Naphthalene	ND	5.0	µg/L								
2-Nitroaniline	ND	10	µg/L								
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodimethylamine	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*80.2*		µg/L	200		40.1		15-110			
Surrogate: Phenol-d6	*62.1*		µg/L	200		31.0		15-110			
Surrogate: Nitrobenzene-d5	*90.2*		µg/L	100		90.2		30-130			
Surrogate: 2-Fluorobiphenyl	*63.6*		µg/L	100		63.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*146*		µg/L	200		73.2		15-110			
Surrogate: p-Terphenyl-d14	*76.6*		µg/L	100		76.6		30-130			
LCS (B318373-BS1)				Prepared: 09/29/22 Analyzed: 10/06/22							
Acenaphthene	30.0	5.0	µg/L	50.0		60.0		40-140			
Acenaphthylene	32.7	5.0	µg/L	50.0		65.5		40-140			
Acetophenone	29.8	10	µg/L	50.0		59.7		40-140			
Aniline	35.0	5.0	µg/L	50.0		70.0		40-140			
Anthracene	35.0	5.0	µg/L	50.0		70.1		40-140			
Benzidine	77.4	20	µg/L	50.0		**155**	*	40-140			L-02, V-04, V-05, V-35
Benzo(a)anthracene	33.5	5.0	µg/L	50.0		67.1		40-140			
Benzo(a)pyrene	32.2	5.0	µg/L	50.0		64.3		40-140			
Benzo(b)fluoranthene	29.4	5.0	µg/L	50.0		58.9		40-140			
Benzo(g,h,i)perylene	28.5	5.0	µg/L	50.0		57.0		40-140			
Benzo(k)fluoranthene	35.6	5.0	µg/L	50.0		71.2		40-140			
Benzoic Acid	10.1	10	µg/L	50.0		20.2		10-130			†
Bis(2-chloroethoxy)methane	32.3	10	µg/L	50.0		64.6		40-140			
Bis(2-chloroethyl)ether	30.1	10	µg/L	50.0		60.2		40-140			
Bis(2-chloroisopropyl)ether	36.0	10	µg/L	50.0		71.9		40-140			
Bis(2-Ethylhexyl)phthalate	31.7	10	µg/L	50.0		63.4		40-140			
4-Bromophenylphenylether	33.0	10	µg/L	50.0		65.9		40-140			
Butylbenzylphthalate	33.0	10	µg/L	50.0		65.9		40-140			
Carbazole	37.0	10	µg/L	50.0		74.0		40-140			
4-Chloroaniline	36.7	10	µg/L	50.0		73.4		40-140			
4-Chloro-3-methylphenol	37.3	10	µg/L	50.0		74.7		30-130			
2-Chloronaphthalene	26.0	10	µg/L	50.0		52.0		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318373 - SW-846 3510C												
LCS (B318373-BS1)				Prepared: 09/29/22 Analyzed: 10/06/22								
2-Chlorophenol	27.7	10	µg/L	50.0		55.3		30-130				
4-Chlorophenylphenylether	34.1	10	µg/L	50.0		68.2		40-140				
Chrysene	33.6	5.0	µg/L	50.0		67.3		40-140				
Dibenz(a,h)anthracene	29.1	5.0	µg/L	50.0		58.3		40-140				
Dibenzofuran	34.6	5.0	µg/L	50.0		69.2		40-140				
Di-n-butylphthalate	37.0	10	µg/L	50.0		73.9		40-140				
1,2-Dichlorobenzene	19.9	5.0	µg/L	50.0		**39.9**	*	40-140			L-04	
1,3-Dichlorobenzene	18.4	5.0	µg/L	50.0		**36.8**	*	40-140			L-04	
1,4-Dichlorobenzene	18.9	5.0	µg/L	50.0		**37.8**	*	40-140			L-04	
3,3-Dichlorobenzidine	38.3	10	µg/L	50.0		76.6		40-140				
2,4-Dichlorophenol	32.8	10	µg/L	50.0		65.6		30-130				
Diethylphthalate	35.3	10	µg/L	50.0		70.6		40-140				
2,4-Dimethylphenol	35.2	10	µg/L	50.0		70.5		30-130				
Dimethylphthalate	36.8	10	µg/L	50.0		73.7		40-140				
4,6-Dinitro-2-methylphenol	34.2	10	µg/L	50.0		68.5		30-130				
2,4-Dinitrophenol	22.7	10	µg/L	50.0		45.4		30-130			V-04, V-05	
2,4-Dinitrotoluene	36.4	10	µg/L	50.0		72.7		40-140				
2,6-Dinitrotoluene	36.4	10	µg/L	50.0		72.8		40-140				
Di-n-octylphthalate	28.0	10	µg/L	50.0		56.1		40-140				
1,2-Diphenylhydrazine/Azobenzene	31.8	10	µg/L	50.0		63.6		40-140				
Fluoranthene	39.1	5.0	µg/L	50.0		78.1		40-140				
Fluorene	34.9	5.0	µg/L	50.0		69.7		40-140				
Hexachlorobenzene	33.3	10	µg/L	50.0		66.6		40-140				
Hexachlorobutadiene	21.8	10	µg/L	50.0		43.5		40-140				
Hexachlorocyclopentadiene	6.89	10	µg/L	50.0		**13.8**	*	30-140			L-04, V-05, J	†
Hexachloroethane	17.1	10	µg/L	50.0		**34.2**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	37.3	5.0	µg/L	50.0		74.6		40-140				
Isophorone	35.6	10	µg/L	50.0		71.1		40-140				
1-Methylnaphthalene	27.1	5.0	µg/L	50.0		54.2		40-140				
2-Methylnaphthalene	31.9	5.0	µg/L	50.0		63.8		40-140				
2-Methylphenol	28.8	10	µg/L	50.0		57.7		30-130				
3/4-Methylphenol	28.7	10	µg/L	50.0		57.5		30-130				
Naphthalene	27.8	5.0	µg/L	50.0		55.7		40-140				
2-Nitroaniline	34.8	10	µg/L	50.0		69.6		40-140				
3-Nitroaniline	38.6	10	µg/L	50.0		77.2		40-140				
4-Nitroaniline	37.0	10	µg/L	50.0		74.0		40-140				
Nitrobenzene	29.6	10	µg/L	50.0		59.2		40-140				
2-Nitrophenol	32.5	10	µg/L	50.0		64.9		30-130				
4-Nitrophenol	21.0	10	µg/L	50.0		42.0		10-130				†
N-Nitrosodimethylamine	22.8	10	µg/L	50.0		45.5		40-140				
N-Nitrosodiphenylamine/Diphenylamine	35.5	10	µg/L	50.0		70.9		40-140				
N-Nitrosodi-n-propylamine	35.1	10	µg/L	50.0		70.3		40-140				
Pentachloronitrobenzene	36.8	10	µg/L	50.0		73.5		40-140				
Pentachlorophenol	24.7	10	µg/L	50.0		49.3		30-130				
Phenanthrene	34.9	5.0	µg/L	50.0		69.8		40-140				
Phenol	15.2	10	µg/L	50.0		30.5		20-130				†
Pyrene	34.2	5.0	µg/L	50.0		68.5		40-140				
Pyridine	17.7	5.0	µg/L	50.0		35.4		10-140				†
1,2,4,5-Tetrachlorobenzene	28.4	10	µg/L	50.0		56.9		40-140				
1,2,4-Trichlorobenzene	24.0	5.0	µg/L	50.0		48.0		40-140				
2,4,5-Trichlorophenol	33.7	10	µg/L	50.0		67.4		30-130				
2,4,6-Trichlorophenol	33.3	10	µg/L	50.0		66.6		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318373 - SW-846 3510C												
LCS (B318373-BS1)				Prepared: 09/29/22 Analyzed: 10/06/22								
Surrogate: 2-Fluorophenol	*79.9*		µg/L	200		39.9		15-110				
Surrogate: Phenol-d6	*63.2*		µg/L	200		31.6		15-110				
Surrogate: Nitrobenzene-d5	*86.9*		µg/L	100		86.9		30-130				
Surrogate: 2-Fluorobiphenyl	*68.5*		µg/L	100		68.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*151*		µg/L	200		75.4		15-110				
Surrogate: p-Terphenyl-d14	*76.0*		µg/L	100		76.0		30-130				
LCS Dup (B318373-BSD1)				Prepared: 09/29/22 Analyzed: 10/06/22								
Acenaphthene	28.7	5.0	µg/L	50.0		57.4		40-140	4.39	20		
Acenaphthylene	31.5	5.0	µg/L	50.0		63.0		40-140	3.86	20		
Acetophenone	29.3	10	µg/L	50.0		58.6		40-140	1.89	20		
Aniline	35.2	5.0	µg/L	50.0		70.4		40-140	0.570	50		‡
Anthracene	33.5	5.0	µg/L	50.0		67.0		40-140	4.55	20		
Benzidine	86.7	20	µg/L	50.0		**173**	*	40-140	11.4	20	L-02, V-04, V-05, V-35	
Benzo(a)anthracene	32.5	5.0	µg/L	50.0		65.0		40-140	3.12	20		
Benzo(a)pyrene	30.8	5.0	µg/L	50.0		61.7		40-140	4.13	20		
Benzo(b)fluoranthene	28.0	5.0	µg/L	50.0		56.0		40-140	4.94	20		
Benzo(g,h,i)perylene	29.5	5.0	µg/L	50.0		59.0		40-140	3.52	20		
Benzo(k)fluoranthene	34.7	5.0	µg/L	50.0		69.4		40-140	2.45	20		
Benzoic Acid	ND	10	µg/L	50.0			*	10-130		50	L-07	† ‡
Bis(2-chloroethoxy)methane	31.7	10	µg/L	50.0		63.4		40-140	1.81	20		
Bis(2-chloroethyl)ether	29.8	10	µg/L	50.0		59.6		40-140	0.969	20		
Bis(2-chloroisopropyl)ether	35.6	10	µg/L	50.0		71.2		40-140	1.03	20		
Bis(2-Ethylhexyl)phthalate	31.9	10	µg/L	50.0		63.8		40-140	0.692	20		
4-Bromophenylphenylether	31.0	10	µg/L	50.0		62.0		40-140	6.13	20		
Butylbenzylphthalate	32.4	10	µg/L	50.0		64.8		40-140	1.68	20		
Carbazole	36.3	10	µg/L	50.0		72.7		40-140	1.85	20		
4-Chloroaniline	37.4	10	µg/L	50.0		74.8		40-140	1.92	20		
4-Chloro-3-methylphenol	37.4	10	µg/L	50.0		74.9		30-130	0.267	20		
2-Chloronaphthalene	25.8	10	µg/L	50.0		51.7		40-140	0.694	20		
2-Chlorophenol	27.3	10	µg/L	50.0		54.6		30-130	1.38	20		
4-Chlorophenylphenylether	32.6	10	µg/L	50.0		65.3		40-140	4.41	20		
Chrysene	32.0	5.0	µg/L	50.0		64.1		40-140	4.84	20		
Dibenz(a,h)anthracene	30.0	5.0	µg/L	50.0		60.0		40-140	3.01	20		
Dibenzofuran	33.2	5.0	µg/L	50.0		66.5		40-140	4.04	20		
Di-n-butylphthalate	36.0	10	µg/L	50.0		72.0		40-140	2.63	20		
1,2-Dichlorobenzene	19.7	5.0	µg/L	50.0		**39.4**	*	40-140	1.26	20	L-04	
1,3-Dichlorobenzene	17.8	5.0	µg/L	50.0		**35.6**	*	40-140	3.09	20	L-04	
1,4-Dichlorobenzene	18.6	5.0	µg/L	50.0		**37.1**	*	40-140	1.92	20	L-04	
3,3-Dichlorobenzidine	37.2	10	µg/L	50.0		74.4		40-140	2.97	20		
2,4-Dichlorophenol	32.4	10	µg/L	50.0		64.8		30-130	1.23	20		
Diethylphthalate	34.6	10	µg/L	50.0		69.2		40-140	1.97	20		
2,4-Dimethylphenol	35.3	10	µg/L	50.0		70.7		30-130	0.312	20		
Dimethylphthalate	35.8	10	µg/L	50.0		71.6		40-140	2.86	50		‡
4,6-Dinitro-2-methylphenol	33.8	10	µg/L	50.0		67.7		30-130	1.23	50		‡
2,4-Dinitrophenol	22.8	10	µg/L	50.0		45.6		30-130	0.308	50	V-04, V-05	‡
2,4-Dinitrotoluene	35.4	10	µg/L	50.0		70.8		40-140	2.65	20		
2,6-Dinitrotoluene	35.6	10	µg/L	50.0		71.2		40-140	2.28	20		
Di-n-octylphthalate	28.5	10	µg/L	50.0		57.1		40-140	1.70	20		
1,2-Diphenylhydrazine/Azobenzene	30.5	10	µg/L	50.0		61.1		40-140	4.11	20		
Fluoranthene	37.5	5.0	µg/L	50.0		75.0		40-140	4.13	20		
Fluorene	33.6	5.0	µg/L	50.0		67.2		40-140	3.65	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318373 - SW-846 3510C												
LCS Dup (B318373-BSD1)				Prepared: 09/29/22 Analyzed: 10/06/22								
Hexachlorobenzene	31.4	10	µg/L	50.0		62.9		40-140	5.71	20		
Hexachlorobutadiene	20.0	10	µg/L	50.0		40.1		40-140	8.23	20		
Hexachlorocyclopentadiene	5.49	10	µg/L	50.0		**11.0**	*	30-140	22.6	50	L-04, V-05, J	† ‡
Hexachloroethane	16.6	10	µg/L	50.0		**33.1**	*	40-140	3.21	50	L-04	‡
Indeno(1,2,3-cd)pyrene	38.0	5.0	µg/L	50.0		76.1		40-140	1.96	50		‡
Isophorone	35.3	10	µg/L	50.0		70.5		40-140	0.847	20		
1-Methylnaphthalene	26.1	5.0	µg/L	50.0		52.2		40-140	3.72	20		
2-Methylnaphthalene	30.2	5.0	µg/L	50.0		60.4		40-140	5.44	20		
2-Methylphenol	28.9	10	µg/L	50.0		57.9		30-130	0.346	20		
3/4-Methylphenol	29.1	10	µg/L	50.0		58.2		30-130	1.28	20		
Naphthalene	26.7	5.0	µg/L	50.0		53.3		40-140	4.33	20		
2-Nitroaniline	34.9	10	µg/L	50.0		69.7		40-140	0.230	20		
3-Nitroaniline	39.0	10	µg/L	50.0		78.0		40-140	0.954	20		
4-Nitroaniline	36.0	10	µg/L	50.0		72.0		40-140	2.79	20		
Nitrobenzene	29.4	10	µg/L	50.0		58.7		40-140	0.916	20		
2-Nitrophenol	31.4	10	µg/L	50.0		62.9		30-130	3.16	20		
4-Nitrophenol	21.2	10	µg/L	50.0		42.3		10-130	0.806	50		† ‡
N-Nitrosodimethylamine	22.6	10	µg/L	50.0		45.2		40-140	0.750	20		
N-Nitrosodiphenylamine/Diphenylamine	33.5	10	µg/L	50.0		67.1		40-140	5.60	20		
N-Nitrosodi-n-propylamine	34.6	10	µg/L	50.0		69.3		40-140	1.43	20		
Pentachloronitrobenzene	35.3	10	µg/L	50.0		70.7		40-140	3.99	20		
Pentachlorophenol	23.9	10	µg/L	50.0		47.7		30-130	3.30	50		‡
Phenanthrene	33.3	5.0	µg/L	50.0		66.7		40-140	4.60	20		
Phenol	15.6	10	µg/L	50.0		31.2		20-130	2.27	20		†
Pyrene	32.6	5.0	µg/L	50.0		65.3		40-140	4.84	20		
Pyridine	17.4	5.0	µg/L	50.0		34.8		10-140	1.48	50		† ‡
1,2,4,5-Tetrachlorobenzene	26.4	10	µg/L	50.0		52.9		40-140	7.22	20		
1,2,4-Trichlorobenzene	22.7	5.0	µg/L	50.0		45.4		40-140	5.53	20		
2,4,5-Trichlorophenol	32.2	10	µg/L	50.0		64.5		30-130	4.34	20		
2,4,6-Trichlorophenol	32.2	10	µg/L	50.0		64.4		30-130	3.39	50		‡
Surrogate: 2-Fluorophenol	*77.8*		µg/L	200		38.9		15-110				
Surrogate: Phenol-d6	*62.7*		µg/L	200		31.4		15-110				
Surrogate: Nitrobenzene-d5	*85.3*		µg/L	100		85.3		30-130				
Surrogate: 2-Fluorobiphenyl	*65.8*		µg/L	100		65.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*143*		µg/L	200		71.5		15-110				
Surrogate: p-Terphenyl-d14	*72.5*		µg/L	100		72.5		30-130				
Matrix Spike (B318373-MS1)		**Source: 22I1499-02**		Prepared: 09/29/22 Analyzed: 10/06/22								
Acenaphthene	30.5	4.9	µg/L	48.5	ND	62.8		40-140				
Acenaphthylene	33.4	4.9	µg/L	48.5	ND	68.8		40-140				
Acetophenone	31.2	9.7	µg/L	48.5	ND	64.2		40-140				
Aniline	36.8	4.9	µg/L	48.5	ND	75.8		40-140				
Anthracene	36.1	4.9	µg/L	48.5	ND	74.4		40-140				
Benzidine	38.8	19	µg/L	48.5	ND	79.9		40-140			V-04, V-05, V-35	
Benzo(a)anthracene	34.4	4.9	µg/L	48.5	ND	70.9		40-140				
Benzo(a)pyrene	33.2	4.9	µg/L	48.5	ND	68.3		40-140				
Benzo(b)fluoranthene	30.3	4.9	µg/L	48.5	ND	62.3		40-140				
Benzo(g,h,i)perylene	31.5	4.9	µg/L	48.5	ND	65.0		40-140				
Benzo(k)fluoranthene	36.5	4.9	µg/L	48.5	ND	75.3		40-140				
Benzoic Acid	15.3	9.7	µg/L	48.5	ND	**31.4**	*	40-140			MS-09	
Bis(2-chloroethoxy)methane	33.1	9.7	µg/L	48.5	ND	68.2		40-140				
Bis(2-chloroethyl)ether	32.7	9.7	µg/L	48.5	ND	67.3		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318373 - SW-846 3510C											
Matrix Spike (B318373-MS1)	**Source: 22I1499-02**			Prepared: 09/29/22 Analyzed: 10/06/22							
Bis(2-chloroisopropyl)ether	41.2	9.7	µg/L	48.5	ND	84.9		40-140			
Bis(2-Ethylhexyl)phthalate	34.9	9.7	µg/L	48.5	ND	71.8		40-140			
4-Bromophenylphenylether	33.2	9.7	µg/L	48.5	ND	68.3		40-140			
Butylbenzylphthalate	35.0	9.7	µg/L	48.5	ND	72.2		40-140			
Carbazole	38.3	9.7	µg/L	48.5	ND	78.9		40-140			
4-Chloroaniline	32.6	9.7	µg/L	48.5	ND	67.1		40-140			
4-Chloro-3-methylphenol	39.3	9.7	µg/L	48.5	ND	80.9		30-130			
2-Chloronaphthalene	28.2	9.7	µg/L	48.5	ND	58.1		40-140			
2-Chlorophenol	29.1	9.7	µg/L	48.5	ND	60.0		30-130			
4-Chlorophenylphenylether	34.0	9.7	µg/L	48.5	ND	70.0		40-140			
Chrysene	34.3	4.9	µg/L	48.5	ND	70.7		40-140			
Dibenz(a,h)anthracene	32.4	4.9	µg/L	48.5	ND	66.7		40-140			
Dibenzofuran	35.1	4.9	µg/L	48.5	ND	72.2		40-140			
Di-n-butylphthalate	39.2	9.7	µg/L	48.5	ND	80.8		40-140			
1,2-Dichlorobenzene	24.0	4.9	µg/L	48.5	ND	49.4		40-140			
1,3-Dichlorobenzene	22.0	4.9	µg/L	48.5	ND	45.4		40-140			
1,4-Dichlorobenzene	22.7	4.9	µg/L	48.5	ND	46.7		40-140			
3,3-Dichlorobenzidine	34.5	9.7	µg/L	48.5	ND	71.0		40-140			
2,4-Dichlorophenol	33.5	9.7	µg/L	48.5	ND	69.0		30-130			
Diethylphthalate	36.5	9.7	µg/L	48.5	ND	75.1		40-140			
2,4-Dimethylphenol	35.9	9.7	µg/L	48.5	ND	74.0		30-130			
Dimethylphthalate	37.4	9.7	µg/L	48.5	ND	77.1		40-140			
4,6-Dinitro-2-methylphenol	34.5	9.7	µg/L	48.5	ND	71.1		30-130			
2,4-Dinitrophenol	23.4	9.7	µg/L	48.5	ND	48.3		30-130			V-04, V-05
2,4-Dinitrotoluene	36.5	9.7	µg/L	48.5	ND	75.1		40-140			
2,6-Dinitrotoluene	36.7	9.7	µg/L	48.5	ND	75.7		40-140			
Di-n-octylphthalate	31.4	9.7	µg/L	48.5	ND	64.7		40-140			
1,2-Diphenylhydrazine/Azobenzene	35.1	9.7	µg/L	48.5	ND	72.4		40-140			
Fluoranthene	39.5	4.9	µg/L	48.5	ND	81.4		40-140			
Fluorene	35.1	4.9	µg/L	48.5	ND	72.4		40-140			
Hexachlorobenzene	34.1	9.7	µg/L	48.5	ND	70.2		40-140			
Hexachlorobutadiene	25.2	9.7	µg/L	48.5	ND	51.9		40-140			
Hexachlorocyclopentadiene	7.44	9.7	µg/L	48.5	ND	**15.3**	*	30-130			V-05, J
Hexachloroethane	21.5	9.7	µg/L	48.5	ND	44.2		40-140			
Indeno(1,2,3-cd)pyrene	41.3	4.9	µg/L	48.5	ND	85.0		40-140			
Isophorone	37.3	9.7	µg/L	48.5	ND	76.8		40-140			
1-Methylnaphthalene	28.0	4.9	µg/L	48.5	ND	57.8		40-140			
2-Methylnaphthalene	32.7	4.9	µg/L	48.5	ND	67.4		40-140			
2-Methylphenol	30.3	9.7	µg/L	48.5	ND	62.4		30-130			
3/4-Methylphenol	30.2	9.7	µg/L	48.5	ND	62.3		30-130			
Naphthalene	30.3	4.9	µg/L	48.5	ND	62.4		40-140			
2-Nitroaniline	37.5	9.7	µg/L	48.5	ND	77.2		40-140			
3-Nitroaniline	40.4	9.7	µg/L	48.5	ND	83.3		40-140			
4-Nitroaniline	37.0	9.7	µg/L	48.5	ND	76.2		40-140			
Nitrobenzene	31.2	9.7	µg/L	48.5	ND	64.2		40-140			
2-Nitrophenol	32.6	9.7	µg/L	48.5	ND	67.2		30-130			
4-Nitrophenol	25.6	9.7	µg/L	48.5	ND	52.7		30-130			
N-Nitrosodimethylamine	25.6	9.7	µg/L	48.5	ND	52.8		40-140			
N-Nitrosodiphenylamine/Diphenylamine	36.7	9.7	µg/L	48.5	ND	75.7		40-140			
N-Nitrosodi-n-propylamine	37.4	9.7	µg/L	48.5	ND	77.0		40-140			
Pentachloronitrobenzene	37.7	9.7	µg/L	48.5	ND	77.7		40-140			
Pentachlorophenol	26.0	9.7	µg/L	48.5	ND	53.5		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318373 - SW-846 3510C											
Matrix Spike (B318373-MS1)	**Source: 22I1499-02**			Prepared: 09/29/22 Analyzed: 10/06/22							
Phenanthrene	35.7	4.9	µg/L	48.5	ND	73.6		40-140			
Phenol	15.5	9.7	µg/L	48.5	ND	31.9		30-130			
Pyrene	35.4	4.9	µg/L	48.5	ND	72.8		40-140			
Pyridine	19.8	4.9	µg/L	48.5	ND	40.9		40-140			
1,2,4,5-Tetrachlorobenzene	29.0	9.7	µg/L	48.5	ND	59.8		40-140			
1,2,4-Trichlorobenzene	26.3	4.9	µg/L	48.5	ND	54.2		40-140			
2,4,5-Trichlorophenol	34.9	9.7	µg/L	48.5	ND	71.9		30-130			
2,4,6-Trichlorophenol	33.1	9.7	µg/L	48.5	ND	68.3		30-130			
Surrogate: 2-Fluorophenol	*78.5*		µg/L	194		40.4		15-110			
Surrogate: Phenol-d6	*61.7*		µg/L	194		31.8		15-110			
Surrogate: Nitrobenzene-d5	*88.1*		µg/L	97.1		90.8		30-130			
Surrogate: 2-Fluorobiphenyl	*69.9*		µg/L	97.1		72.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*140*		µg/L	194		72.2		15-110			
Surrogate: p-Terphenyl-d14	*75.1*		µg/L	97.1		77.4		30-130			
Matrix Spike Dup (B318373-MSD1)	**Source: 22I1499-02**			Prepared: 09/29/22 Analyzed: 10/06/22							
Acenaphthene	31.1	4.9	µg/L	49.0	ND	63.4		40-140	1.89	30	
Acenaphthylene	34.0	4.9	µg/L	49.0	ND	69.5		40-140	1.87	30	
Acetophenone	32.0	9.8	µg/L	49.0	ND	65.4		40-140	2.80	30	
Aniline	34.8	4.9	µg/L	49.0	ND	70.9		40-140	5.65	30	
Anthracene	35.0	4.9	µg/L	49.0	ND	71.4		40-140	3.14	30	
Benzidine	32.4	20	µg/L	49.0	ND	66.2		40-140	17.8	30	V-04, V-05, V-35
Benzo(a)anthracene	33.8	4.9	µg/L	49.0	ND	69.0		40-140	1.71	30	
Benzo(a)pyrene	32.6	4.9	µg/L	49.0	ND	66.4		40-140	1.84	30	
Benzo(b)fluoranthene	30.5	4.9	µg/L	49.0	ND	62.2		40-140	0.847	30	
Benzo(g,h,i)perylene	30.0	4.9	µg/L	49.0	ND	61.2		40-140	4.99	30	
Benzo(k)fluoranthene	35.6	4.9	µg/L	49.0	ND	72.7		40-140	2.51	30	
Benzoic Acid	15.3	9.8	µg/L	49.0	ND	**31.3**	*	40-140	0.465	30	MS-09
Bis(2-chloroethoxy)methane	33.5	9.8	µg/L	49.0	ND	68.3		40-140	1.12	30	
Bis(2-chloroethyl)ether	33.3	9.8	µg/L	49.0	ND	67.9		40-140	1.80	30	
Bis(2-chloroisopropyl)ether	41.4	9.8	µg/L	49.0	ND	84.5		40-140	0.574	30	
Bis(2-Ethylhexyl)phthalate	33.2	9.8	µg/L	49.0	ND	67.7		40-140	4.96	30	
4-Bromophenylphenylether	32.6	9.8	µg/L	49.0	ND	66.5		40-140	1.78	30	
Butylbenzylphthalate	33.9	9.8	µg/L	49.0	ND	69.2		40-140	3.30	30	
Carbazole	37.3	9.8	µg/L	49.0	ND	76.1		40-140	2.64	30	
4-Chloroaniline	30.9	9.8	µg/L	49.0	ND	63.1		40-140	5.20	30	
4-Chloro-3-methylphenol	38.7	9.8	µg/L	49.0	ND	78.9		30-130	1.48	30	
2-Chloronaphthalene	28.9	9.8	µg/L	49.0	ND	58.9		40-140	2.41	30	
2-Chlorophenol	29.8	9.8	µg/L	49.0	ND	60.7		30-130	2.20	30	
4-Chlorophenylphenylether	34.8	9.8	µg/L	49.0	ND	71.1		40-140	2.45	30	
Chrysene	33.5	4.9	µg/L	49.0	ND	68.3		40-140	2.54	30	
Dibenz(a,h)anthracene	30.9	4.9	µg/L	49.0	ND	63.1		40-140	4.54	30	
Dibenzofuran	35.6	4.9	µg/L	49.0	ND	72.6		40-140	1.45	30	
Di-n-butylphthalate	37.2	9.8	µg/L	49.0	ND	75.9		40-140	5.30	30	
1,2-Dichlorobenzene	25.6	4.9	µg/L	49.0	ND	52.3		40-140	6.52	30	
1,3-Dichlorobenzene	23.5	4.9	µg/L	49.0	ND	47.8		40-140	6.30	30	
1,4-Dichlorobenzene	24.1	4.9	µg/L	49.0	ND	49.2		40-140	6.11	30	
3,3-Dichlorobenzidine	32.6	9.8	µg/L	49.0	ND	66.5		40-140	5.69	30	
2,4-Dichlorophenol	33.8	9.8	µg/L	49.0	ND	68.9		30-130	0.802	30	
Diethylphthalate	36.5	9.8	µg/L	49.0	ND	74.5		40-140	0.173	30	
2,4-Dimethylphenol	36.0	9.8	µg/L	49.0	ND	73.5		30-130	0.297	30	
Dimethylphthalate	37.5	9.8	µg/L	49.0	ND	76.5		40-140	0.168	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318373 - SW-846 3510C											
Matrix Spike Dup (B318373-MSD1)	**Source: 22I1499-02**			Prepared: 09/29/22 Analyzed: 10/06/22							
4,6-Dinitro-2-methylphenol	34.0	9.8	µg/L	49.0	ND	69.4		30-130	1.45	30	
2,4-Dinitrophenol	24.7	9.8	µg/L	49.0	ND	50.5		30-130	5.35	30	V-04, V-05
2,4-Dinitrotoluene	36.3	9.8	µg/L	49.0	ND	74.0		40-140	0.554	30	
2,6-Dinitrotoluene	37.7	9.8	µg/L	49.0	ND	76.8		40-140	2.52	30	
Di-n-octylphthalate	29.5	9.8	µg/L	49.0	ND	60.2		40-140	6.20	30	
1,2-Diphenylhydrazine/Azobenzene	33.7	9.8	µg/L	49.0	ND	68.7		40-140	4.21	30	
Fluoranthene	38.8	4.9	µg/L	49.0	ND	79.1		40-140	1.89	30	
Fluorene	35.7	4.9	µg/L	49.0	ND	72.9		40-140	1.69	30	
Hexachlorobenzene	33.0	9.8	µg/L	49.0	ND	67.3		40-140	3.21	30	
Hexachlorobutadiene	26.3	9.8	µg/L	49.0	ND	53.7		40-140	4.50	30	
Hexachlorocyclopentadiene	8.36	9.8	µg/L	49.0	ND	**17.1**	*	30-130	11.7	30	V-05, J
Hexachloroethane	22.9	9.8	µg/L	49.0	ND	46.7		40-140	6.52	30	
Indeno(1,2,3-cd)pyrene	39.5	4.9	µg/L	49.0	ND	80.6		40-140	4.44	30	
Isophorone	37.3	9.8	µg/L	49.0	ND	76.2		40-140	0.191	30	
1-Methylnaphthalene	28.8	4.9	µg/L	49.0	ND	58.7		40-140	2.59	30	
2-Methylnaphthalene	33.4	4.9	µg/L	49.0	ND	68.1		40-140	2.04	30	
2-Methylphenol	30.4	9.8	µg/L	49.0	ND	62.0		30-130	0.333	30	
3/4-Methylphenol	29.9	9.8	µg/L	49.0	ND	60.9		30-130	1.20	30	
Naphthalene	31.3	4.9	µg/L	49.0	ND	63.9		40-140	3.35	30	
2-Nitroaniline	37.3	9.8	µg/L	49.0	ND	76.2		40-140	0.355	30	
3-Nitroaniline	37.9	9.8	µg/L	49.0	ND	77.4		40-140	6.37	30	
4-Nitroaniline	36.5	9.8	µg/L	49.0	ND	74.6		40-140	1.20	30	
Nitrobenzene	31.5	9.8	µg/L	49.0	ND	64.3		40-140	1.13	30	
2-Nitrophenol	34.0	9.8	µg/L	49.0	ND	69.3		30-130	4.02	30	
4-Nitrophenol	25.4	9.8	µg/L	49.0	ND	51.9		30-130	0.669	30	
N-Nitrosodimethylamine	27.1	9.8	µg/L	49.0	ND	55.3		40-140	5.71	30	
N-Nitrosodiphenylamine/Diphenylamine	35.9	9.8	µg/L	49.0	ND	73.2		40-140	2.36	30	
N-Nitrosodi-n-propylamine	38.3	9.8	µg/L	49.0	ND	78.1		40-140	2.39	30	
Pentachloronitrobenzene	36.7	9.8	µg/L	49.0	ND	74.9		40-140	2.62	30	
Pentachlorophenol	25.1	9.8	µg/L	49.0	ND	51.2		30-130	3.45	30	
Phenanthrene	34.9	4.9	µg/L	49.0	ND	71.2		40-140	2.42	30	
Phenol	15.4	9.8	µg/L	49.0	ND	31.4		30-130	0.732	30	
Pyrene	35.0	4.9	µg/L	49.0	ND	71.3		40-140	1.11	30	
Pyridine	20.6	4.9	µg/L	49.0	ND	41.9		40-140	3.58	30	
1,2,4,5-Tetrachlorobenzene	30.0	9.8	µg/L	49.0	ND	61.2		40-140	3.35	30	
1,2,4-Trichlorobenzene	28.1	4.9	µg/L	49.0	ND	57.3		40-140	6.39	30	
2,4,5-Trichlorophenol	35.3	9.8	µg/L	49.0	ND	72.1		30-130	1.20	30	
2,4,6-Trichlorophenol	33.9	9.8	µg/L	49.0	ND	69.2		30-130	2.34	30	
Surrogate: 2-Fluorophenol	*81.3*		µg/L	196		41.4		15-110			
Surrogate: Phenol-d6	*62.2*		µg/L	196		31.7		15-110			
Surrogate: Nitrobenzene-d5	*90.8*		µg/L	98.0		92.6		30-130			
Surrogate: 2-Fluorobiphenyl	*72.0*		µg/L	98.0		73.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*147*		µg/L	196		74.7		15-110			
Surrogate: p-Terphenyl-d14	*74.8*		µg/L	98.0		76.3		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319872 - SW-846 3510C										
Blank (B319872-BLK1)				Prepared: 10/13/22 Analyzed: 10/15/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	4.5	5.0	µg/L							V-05, J
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							R-05
1,3-Dichlorobenzene	ND	5.0	µg/L							R-05
1,4-Dichlorobenzene	ND	5.0	µg/L							R-05
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							V-35
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							R-05
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319872 - SW-846 3510C										
Blank (B319872-BLK1)				Prepared: 10/13/22 Analyzed: 10/15/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*69.4*		µg/L	200		34.7	15-110			
Surrogate: Phenol-d6	*51.7*		µg/L	200		25.9	15-110			
Surrogate: Nitrobenzene-d5	*35.2*		µg/L	100		35.2	30-130			
Surrogate: 2-Fluorobiphenyl	*54.4*		µg/L	100		54.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*180*		µg/L	200		90.1	15-110			
Surrogate: p-Terphenyl-d14	*80.1*		µg/L	100		80.1	30-130			
LCS (B319872-BS1)				Prepared: 10/13/22 Analyzed: 10/15/22						
Acenaphthene	33.1	5.0	µg/L	50.0		66.2	40-140			
Acenaphthylene	34.8	5.0	µg/L	50.0		69.6	40-140			
Acetophenone	30.6	10	µg/L	50.0		61.2	40-140			
Aniline	26.6	5.0	µg/L	50.0		53.1	40-140			V-05
Anthracene	39.1	5.0	µg/L	50.0		78.3	40-140			
Benzidine	48.6	20	µg/L	50.0		97.3	40-140			V-05, V-35
Benzo(a)anthracene	38.3	5.0	µg/L	50.0		76.7	40-140			
Benzo(a)pyrene	36.7	5.0	µg/L	50.0		73.4	40-140			
Benzo(b)fluoranthene	37.7	5.0	µg/L	50.0		75.3	40-140			
Benzo(g,h,i)perylene	42.8	5.0	µg/L	50.0		85.5	40-140			
Benzo(k)fluoranthene	40.8	5.0	µg/L	50.0		81.7	40-140			
Benzoic Acid	15.9	10	µg/L	50.0		31.9	10-130			†
Bis(2-chloroethoxy)methane	31.9	10	µg/L	50.0		63.9	40-140			
Bis(2-chloroethyl)ether	28.1	10	µg/L	50.0		56.1	40-140			
Bis(2-chloroisopropyl)ether	28.4	10	µg/L	50.0		56.8	40-140			
Bis(2-Ethylhexyl)phthalate	38.5	10	µg/L	50.0		77.1	40-140			
4-Bromophenylphenylether	40.0	10	µg/L	50.0		80.0	40-140			
Butylbenzylphthalate	37.8	10	µg/L	50.0		75.7	40-140			
Carbazole	38.2	10	µg/L	50.0		76.5	40-140			
4-Chloroaniline	36.2	10	µg/L	50.0		72.5	40-140			
4-Chloro-3-methylphenol	37.3	10	µg/L	50.0		74.6	30-130			
2-Chloronaphthalene	32.4	10	µg/L	50.0		64.7	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B319872 - SW-846 3510C												
LCS (B319872-BS1)				Prepared: 10/13/22 Analyzed: 10/15/22								
2-Chlorophenol	26.0	10	µg/L	50.0		52.1		30-130				
4-Chlorophenylphenylether	38.6	10	µg/L	50.0		77.3		40-140				
Chrysene	37.9	5.0	µg/L	50.0		75.9		40-140				
Dibenz(a,h)anthracene	44.8	5.0	µg/L	50.0		89.5		40-140				
Dibenzofuran	38.0	5.0	µg/L	50.0		76.0		40-140				
Di-n-butylphthalate	37.8	10	µg/L	50.0		75.7		40-140				
1,2-Dichlorobenzene	19.4	5.0	µg/L	50.0		**38.9**	*	40-140			L-07A	
1,3-Dichlorobenzene	18.4	5.0	µg/L	50.0		**36.8**	*	40-140			L-07A	
1,4-Dichlorobenzene	18.9	5.0	µg/L	50.0		**37.8**	*	40-140			L-07A	
3,3-Dichlorobenzidine	46.8	10	µg/L	50.0		93.6		40-140				
2,4-Dichlorophenol	34.9	10	µg/L	50.0		69.8		30-130				
Diethylphthalate	37.8	10	µg/L	50.0		75.5		40-140				
2,4-Dimethylphenol	34.1	10	µg/L	50.0		68.1		30-130				
Dimethylphthalate	37.7	10	µg/L	50.0		75.4		40-140				
4,6-Dinitro-2-methylphenol	39.6	10	µg/L	50.0		79.1		30-130			V-35	
2,4-Dinitrophenol	36.5	10	µg/L	50.0		72.9		30-130				
2,4-Dinitrotoluene	38.5	10	µg/L	50.0		77.0		40-140				
2,6-Dinitrotoluene	40.4	10	µg/L	50.0		80.9		40-140				
Di-n-octylphthalate	37.4	10	µg/L	50.0		74.9		40-140				
1,2-Diphenylhydrazine/Azobenzene	35.6	10	µg/L	50.0		71.2		40-140				
Fluoranthene	38.2	5.0	µg/L	50.0		76.4		40-140				
Fluorene	37.3	5.0	µg/L	50.0		74.6		40-140				
Hexachlorobenzene	41.6	10	µg/L	50.0		83.1		40-140				
Hexachlorobutadiene	21.6	10	µg/L	50.0		43.2		40-140			R-05	
Hexachlorocyclopentadiene	26.5	10	µg/L	50.0		53.0		30-140				†
Hexachloroethane	17.6	10	µg/L	50.0		**35.1**	*	40-140			L-07	
Indeno(1,2,3-cd)pyrene	45.6	5.0	µg/L	50.0		91.1		40-140				
Isophorone	32.3	10	µg/L	50.0		64.5		40-140				
1-Methylnaphthalene	31.8	5.0	µg/L	50.0		63.7		40-140				
2-Methylnaphthalene	33.2	5.0	µg/L	50.0		66.5		40-140				
2-Methylphenol	27.8	10	µg/L	50.0		55.6		30-130				
3/4-Methylphenol	28.4	10	µg/L	50.0		56.7		30-130				
Naphthalene	26.7	5.0	µg/L	50.0		53.5		40-140				
2-Nitroaniline	34.5	10	µg/L	50.0		68.9		40-140				
3-Nitroaniline	39.5	10	µg/L	50.0		79.0		40-140				
4-Nitroaniline	40.5	10	µg/L	50.0		81.0		40-140				
Nitrobenzene	24.1	10	µg/L	50.0		48.2		40-140				
2-Nitrophenol	27.9	10	µg/L	50.0		55.8		30-130				
4-Nitrophenol	18.7	10	µg/L	50.0		37.5		10-130				†
N-Nitrosodimethylamine	17.3	10	µg/L	50.0		**34.5**	*	40-140			L-07	
N-Nitrosodiphenylamine/Diphenylamine	39.8	10	µg/L	50.0		79.7		40-140				
N-Nitrosodi-n-propylamine	29.2	10	µg/L	50.0		58.5		40-140				
Pentachloronitrobenzene	44.5	10	µg/L	50.0		89.0		40-140				
Pentachlorophenol	37.6	10	µg/L	50.0		75.1		30-130				
Phenanthrene	38.6	5.0	µg/L	50.0		77.3		40-140				
Phenol	14.8	10	µg/L	50.0		29.5		20-130				†
Pyrene	37.0	5.0	µg/L	50.0		74.0		40-140				
Pyridine	15.0	5.0	µg/L	50.0		30.0		10-140				†
1,2,4,5-Tetrachlorobenzene	34.2	10	µg/L	50.0		68.4		40-140				
1,2,4-Trichlorobenzene	25.2	5.0	µg/L	50.0		50.3		40-140				
2,4,5-Trichlorophenol	40.1	10	µg/L	50.0		80.3		30-130				
2,4,6-Trichlorophenol	37.5	10	µg/L	50.0		75.0		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B319872 - SW-846 3510C												
LCS (B319872-BS1)				Prepared: 10/13/22 Analyzed: 10/15/22								
Surrogate: 2-Fluorophenol	*78.6*		µg/L	200		39.3	15-110					
Surrogate: Phenol-d6	*61.3*		µg/L	200		30.6	15-110					
Surrogate: Nitrobenzene-d5	*39.7*		µg/L	100		39.7	30-130					
Surrogate: 2-Fluorobiphenyl	*70.2*		µg/L	100		70.2	30-130					
Surrogate: 2,4,6-Tribromophenol	*190*		µg/L	200		94.9	15-110					
Surrogate: p-Terphenyl-d14	*79.8*		µg/L	100		79.8	30-130					
LCS Dup (B319872-BSD1)				Prepared: 10/13/22 Analyzed: 10/15/22								
Acenaphthene	31.5	5.0	µg/L	50.0		63.1	40-140	4.86		20		
Acenaphthylene	33.0	5.0	µg/L	50.0		66.1	40-140	5.25		20		
Acetophenone	33.8	10	µg/L	50.0		67.7	40-140	9.99		20		
Aniline	30.6	5.0	µg/L	50.0		61.2	40-140	14.1		50	V-05	‡
Anthracene	36.1	5.0	µg/L	50.0		72.2	40-140	8.00		20		
Benzidine	59.0	20	µg/L	50.0		118	40-140	19.2		20	V-05, V-35	
Benzo(a)anthracene	35.1	5.0	µg/L	50.0		70.2	40-140	8.80		20		
Benzo(a)pyrene	33.7	5.0	µg/L	50.0		67.3	40-140	8.64		20		
Benzo(b)fluoranthene	34.4	5.0	µg/L	50.0		68.8	40-140	9.11		20		
Benzo(g,h,i)perylene	40.7	5.0	µg/L	50.0		81.4	40-140	4.91		20		
Benzo(k)fluoranthene	37.8	5.0	µg/L	50.0		75.6	40-140	7.73		20		
Benzoic Acid	12.7	10	µg/L	50.0		25.4	10-130	22.4		50		† ‡
Bis(2-chloroethoxy)methane	33.7	10	µg/L	50.0		67.3	40-140	5.30		20		
Bis(2-chloroethyl)ether	33.0	10	µg/L	50.0		66.0	40-140	16.2		20		
Bis(2-chloroisopropyl)ether	34.1	10	µg/L	50.0		68.2	40-140	18.3		20		
Bis(2-Ethylhexyl)phthalate	35.4	10	µg/L	50.0		70.8	40-140	8.47		20		
4-Bromophenylphenylether	37.2	10	µg/L	50.0		74.3	40-140	7.36		20		
Butylbenzylphthalate	35.3	10	µg/L	50.0		70.5	40-140	7.09		20		
Carbazole	34.7	10	µg/L	50.0		69.3	40-140	9.79		20		
4-Chloroaniline	36.6	10	µg/L	50.0		73.1	40-140	0.879		20		
4-Chloro-3-methylphenol	34.8	10	µg/L	50.0		69.6	30-130	6.99		20		
2-Chloronaphthalene	29.2	10	µg/L	50.0		58.5	40-140	10.1		20		
2-Chlorophenol	30.7	10	µg/L	50.0		61.3	30-130	16.3		20		
4-Chlorophenylphenylether	36.7	10	µg/L	50.0		73.4	40-140	5.10		20		
Chrysene	34.9	5.0	µg/L	50.0		69.8	40-140	8.35		20		
Dibenz(a,h)anthracene	42.1	5.0	µg/L	50.0		84.2	40-140	6.06		20		
Dibenzofuran	35.3	5.0	µg/L	50.0		70.6	40-140	7.48		20		
Di-n-butylphthalate	34.8	10	µg/L	50.0		69.5	40-140	8.43		20		
1,2-Dichlorobenzene	24.4	5.0	µg/L	50.0		48.8	40-140	**22.5**	*	20	R-05	
1,3-Dichlorobenzene	23.6	5.0	µg/L	50.0		47.3	40-140	**24.9**	*	20	R-05	
1,4-Dichlorobenzene	23.8	5.0	µg/L	50.0		47.6	40-140	**22.9**	*	20	R-05	
3,3-Dichlorobenzidine	43.2	10	µg/L	50.0		86.4	40-140	8.00		20		
2,4-Dichlorophenol	35.1	10	µg/L	50.0		70.2	30-130	0.657		20		
Diethylphthalate	34.4	10	µg/L	50.0		68.7	40-140	9.37		20		
2,4-Dimethylphenol	33.8	10	µg/L	50.0		67.7	30-130	0.677		20		
Dimethylphthalate	35.3	10	µg/L	50.0		70.5	40-140	6.72		50		‡
4,6-Dinitro-2-methylphenol	35.7	10	µg/L	50.0		71.5	30-130	10.1		50	V-35	‡
2,4-Dinitrophenol	32.2	10	µg/L	50.0		64.4	30-130	12.5		50		‡
2,4-Dinitrotoluene	35.1	10	µg/L	50.0		70.2	40-140	9.19		20		
2,6-Dinitrotoluene	37.9	10	µg/L	50.0		75.8	40-140	6.46		20		
Di-n-octylphthalate	34.2	10	µg/L	50.0		68.5	40-140	8.93		20		
1,2-Diphenylhydrazine/Azobenzene	34.0	10	µg/L	50.0		67.9	40-140	4.72		20		
Fluoranthene	35.4	5.0	µg/L	50.0		70.8	40-140	7.55		20		
Fluorene	34.9	5.0	µg/L	50.0		69.7	40-140	6.73		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B319872 - SW-846 3510C												
LCS Dup (B319872-BSD1)				Prepared: 10/13/22 Analyzed: 10/15/22								
Hexachlorobenzene	37.4	10	µg/L	50.0		74.8	40-140	10.6		20		
Hexachlorobutadiene	27.2	10	µg/L	50.0		54.4	40-140	**23.1**	*	20	R-05	
Hexachlorocyclopentadiene	29.4	10	µg/L	50.0		58.8	30-140	10.4		50		† ‡
Hexachloroethane	22.3	10	µg/L	50.0		44.6	40-140	23.9		50		‡
Indeno(1,2,3-cd)pyrene	42.3	5.0	µg/L	50.0		84.7	40-140	7.30		50		‡
Isophorone	32.7	10	µg/L	50.0		65.3	40-140	1.26		20		
1-Methylnaphthalene	33.2	5.0	µg/L	50.0		66.4	40-140	4.18		20		
2-Methylnaphthalene	34.6	5.0	µg/L	50.0		69.2	40-140	3.98		20		
2-Methylphenol	29.6	10	µg/L	50.0		59.1	30-130	6.07		20		
3/4-Methylphenol	28.3	10	µg/L	50.0		56.6	30-130	0.177		20		
Naphthalene	30.7	5.0	µg/L	50.0		61.3	40-140	13.7		20		
2-Nitroaniline	32.5	10	µg/L	50.0		64.9	40-140	5.95		20		
3-Nitroaniline	37.0	10	µg/L	50.0		74.1	40-140	6.48		20		
4-Nitroaniline	35.7	10	µg/L	50.0		71.5	40-140	12.5		20		
Nitrobenzene	27.4	10	µg/L	50.0		54.7	40-140	12.7		20		
2-Nitrophenol	31.2	10	µg/L	50.0		62.3	30-130	11.0		20		
4-Nitrophenol	16.4	10	µg/L	50.0		32.7	10-130	13.6		50		† ‡
N-Nitrosodimethylamine	20.5	10	µg/L	50.0		41.0	40-140	17.3		20		
N-Nitrosodiphenylamine/Diphenylamine	37.5	10	µg/L	50.0		74.9	40-140	6.16		20		
N-Nitrosodi-n-propylamine	31.0	10	µg/L	50.0		61.9	40-140	5.65		20		
Pentachloronitrobenzene	41.4	10	µg/L	50.0		82.7	40-140	7.32		20		
Pentachlorophenol	34.0	10	µg/L	50.0		68.0	30-130	9.98		50		‡
Phenanthrene	35.4	5.0	µg/L	50.0		70.7	40-140	8.84		20		
Phenol	15.9	10	µg/L	50.0		31.8	20-130	7.37		20		†
Pyrene	34.1	5.0	µg/L	50.0		68.2	40-140	8.18		20		
Pyridine	19.4	5.0	µg/L	50.0		38.8	10-140	25.7		50		† ‡
1,2,4,5-Tetrachlorobenzene	34.4	10	µg/L	50.0		68.7	40-140	0.467		20		
1,2,4-Trichlorobenzene	30.5	5.0	µg/L	50.0		61.0	40-140	19.3		20		
2,4,5-Trichlorophenol	37.1	10	µg/L	50.0		74.2	30-130	7.85		20		
2,4,6-Trichlorophenol	34.4	10	µg/L	50.0		68.7	30-130	8.82		50		‡
Surrogate: 2-Fluorophenol	*91.0*		µg/L	200		45.5	15-110					
Surrogate: Phenol-d6	*64.3*		µg/L	200		32.2	15-110					
Surrogate: Nitrobenzene-d5	*44.2*		µg/L	100		44.2	30-130					
Surrogate: 2-Fluorobiphenyl	*67.7*		µg/L	100		67.7	30-130					
Surrogate: 2,4,6-Tribromophenol	*173*		µg/L	200		86.3	15-110					
Surrogate: p-Terphenyl-d14	*72.6*		µg/L	100		72.6	30-130					

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318267 - SW-846 7470A Prep										
Blank (B318267-BLK1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.000089	0.00010	mg/L							J
LCS (B318267-BS1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.00459	0.00010	mg/L	0.00402		114	80-120			
LCS Dup (B318267-BSD1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.00467	0.00010	mg/L	0.00402		116	80-120	1.82	20	
Batch B318269 - SW-846 7470A Prep										
Blank (B318269-BLK1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B318269-BS1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00414	0.00010	mg/L	0.00402		103	80-120			
LCS Dup (B318269-BSD1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00421	0.00010	mg/L	0.00402		105	80-120	1.72	20	
Matrix Spike (B318269-MS1)		**Source: 22I1499-02**		Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00400	0.00010	mg/L	0.00402	ND	99.6	75-125			
Matrix Spike Dup (B318269-MSD1)		**Source: 22I1499-02**		Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00390	0.00010	mg/L	0.00402	ND	97.0	75-125	2.61	20	
Batch B318759 - SW-846 3005A										
Blank (B318759-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	0.0086	0.010	mg/L							J
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	0.0043	0.010	mg/L							J

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318759 - SW-846 3005A										
LCS (B318759-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22						
Aluminum	0.446	0.050	mg/L	0.500		89.3	80-120			
Antimony	0.436	0.050	mg/L	0.500		87.1	80-120			
Arsenic	0.434	0.010	mg/L	0.500		86.7	80-120			
Barium	0.457	0.050	mg/L	0.500		91.5	80-120			
Beryllium	0.455	0.0040	mg/L	0.500		91.0	80-120			
Cadmium	0.456	0.0040	mg/L	0.500		91.1	80-120			
Calcium	4.06	0.50	mg/L	4.00		102	80-120			
Chromium	0.450	0.010	mg/L	0.500		90.0	80-120			
Cobalt	0.457	0.010	mg/L	0.500		91.4	80-120			
Copper	0.997	0.010	mg/L	1.00		99.7	80-120			
Iron	3.55	0.050	mg/L	4.00		88.7	80-120			
Lead	0.453	0.010	mg/L	0.500		90.6	80-120			
Magnesium	3.66	0.050	mg/L	4.00		91.6	80-120			
Manganese	0.448	0.010	mg/L	0.500		89.7	80-120			
Nickel	0.459	0.010	mg/L	0.500		91.8	80-120			
Potassium	3.65	2.0	mg/L	4.00		91.3	80-120			
Selenium	0.469	0.050	mg/L	0.500		93.8	80-120			
Silver	0.487	0.010	mg/L	0.500		97.4	80-120			
Sodium	3.59	2.0	mg/L	4.00		89.8	80-120			
Thallium	0.451	0.050	mg/L	0.500		90.2	80-120			
Vanadium	0.455	0.010	mg/L	0.500		90.9	80-120			
Zinc	0.908	0.010	mg/L	1.00		90.8	80-120			
LCS Dup (B318759-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22						
Aluminum	0.492	0.050	mg/L	0.500		98.3	80-120	9.64	20	
Antimony	0.477	0.050	mg/L	0.500		95.3	80-120	8.99	20	
Arsenic	0.472	0.010	mg/L	0.500		94.4	80-120	8.49	20	
Barium	0.495	0.050	mg/L	0.500		99.0	80-120	7.86	20	
Beryllium	0.511	0.0040	mg/L	0.500		102	80-120	11.7	20	
Cadmium	0.494	0.0040	mg/L	0.500		98.9	80-120	8.11	20	
Calcium	3.99	0.50	mg/L	4.00		99.7	80-120	1.84	20	
Chromium	0.486	0.010	mg/L	0.500		97.3	80-120	7.79	20	
Cobalt	0.497	0.010	mg/L	0.500		99.4	80-120	8.39	20	
Copper	0.985	0.010	mg/L	1.00		98.5	80-120	1.24	20	
Iron	3.98	0.050	mg/L	4.00		99.6	80-120	11.6	20	
Lead	0.491	0.010	mg/L	0.500		98.3	80-120	8.15	20	
Magnesium	4.05	0.050	mg/L	4.00		101	80-120	10.1	20	
Manganese	0.502	0.010	mg/L	0.500		100	80-120	11.3	20	
Nickel	0.499	0.010	mg/L	0.500		99.8	80-120	8.29	30	
Potassium	3.97	2.0	mg/L	4.00		99.1	80-120	8.21	20	
Selenium	0.507	0.050	mg/L	0.500		101	80-120	7.76	20	
Silver	0.527	0.010	mg/L	0.500		105	80-120	7.96	20	
Sodium	3.97	2.0	mg/L	4.00		99.2	80-120	9.87	20	
Thallium	0.488	0.050	mg/L	0.500		97.7	80-120	8.00	20	
Vanadium	0.497	0.010	mg/L	0.500		99.3	80-120	8.84	20	
Zinc	0.986	0.010	mg/L	1.00		98.6	80-120	8.19	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318759 - SW-846 3005A											
Matrix Spike (B318759-MS1)	**Source: 22I1499-02**			Prepared: 10/04/22 Analyzed: 10/05/22							
Aluminum	1.24	0.050	mg/L	0.500	0.795	89.0		75-125			
Antimony	0.458	0.050	mg/L	0.500	0.0140	88.7		75-125			
Arsenic	0.443	0.010	mg/L	0.500	ND	88.6		75-125			
Barium	0.512	0.050	mg/L	0.500	0.0614	90.2		75-125			
Beryllium	0.462	0.0040	mg/L	0.500	ND	92.4		75-125			
Cadmium	0.452	0.0040	mg/L	0.500	ND	90.4		75-125			
Calcium	71.3	0.50	mg/L	4.00	69.6	**43.5**	*	75-125			
Chromium	0.449	0.010	mg/L	0.500	ND	89.8		75-125			
Cobalt	0.449	0.010	mg/L	0.500	0.00273	89.3		75-125			
Copper	0.986	0.010	mg/L	1.00	0.0119	97.5		75-125			
Iron	5.97	0.050	mg/L	4.00	2.72	81.2		75-125			
Lead	0.439	0.010	mg/L	0.500	ND	87.8		75-125			
Magnesium	15.7	0.050	mg/L	4.00	12.7	75.6		75-125			
Manganese	7.42	0.010	mg/L	0.500	7.25	**33.6**	*	75-125			
Nickel	0.449	0.010	mg/L	0.500	ND	89.9		75-125			
Potassium	11.2	2.0	mg/L	4.00	8.04	79.1		75-125			
Selenium	0.480	0.050	mg/L	0.500	ND	96.0		75-125			
Silver	0.487	0.010	mg/L	0.500	ND	97.4		75-125			
Sodium	48.9	2.0	mg/L	4.00	47.6	**33.5**	*	75-125			MS-19
Thallium	0.454	0.050	mg/L	0.500	ND	90.8		75-125			
Vanadium	0.468	0.010	mg/L	0.500	0.00805	91.9		75-125			
Zinc	0.995	0.010	mg/L	1.00	0.117	87.9		75-125			
Matrix Spike Dup (B318759-MSD1)	**Source: 22I1499-02**			Prepared: 10/04/22 Analyzed: 10/05/22							
Aluminum	1.38	0.050	mg/L	0.500	0.795	117		75-125	10.6	20	
Antimony	0.498	0.050	mg/L	0.500	0.0140	96.7		75-125	8.37	20	
Arsenic	0.481	0.010	mg/L	0.500	ND	96.2		75-125	8.27	20	
Barium	0.558	0.050	mg/L	0.500	0.0614	99.3		75-125	8.52	20	
Beryllium	0.484	0.0040	mg/L	0.500	ND	96.9		75-125	4.74	20	
Cadmium	0.494	0.0040	mg/L	0.500	ND	98.8		75-125	8.89	20	
Calcium	71.9	0.50	mg/L	4.00	69.6	**56.7**	*	75-125	0.742	20	MS-19
Chromium	0.491	0.010	mg/L	0.500	ND	98.2		75-125	8.92	20	
Cobalt	0.490	0.010	mg/L	0.500	0.00273	97.4		75-125	8.69	20	
Copper	1.01	0.010	mg/L	1.00	0.0119	100		75-125	2.61	20	
Iron	6.32	0.050	mg/L	4.00	2.72	90.0		75-125	5.67	20	
Lead	0.475	0.010	mg/L	0.500	ND	94.9		75-125	7.76	20	
Magnesium	16.7	0.050	mg/L	4.00	12.7	100		75-125	6.12	20	
Manganese	7.79	0.010	mg/L	0.500	7.25	108		75-125	4.87	20	
Nickel	0.489	0.010	mg/L	0.500	ND	97.8		75-125	8.46	20	
Potassium	11.9	2.0	mg/L	4.00	8.04	97.5		75-125	6.36	20	
Selenium	0.513	0.050	mg/L	0.500	ND	103		75-125	6.74	20	
Silver	0.531	0.010	mg/L	0.500	ND	106		75-125	8.66	20	
Sodium	52.1	2.0	mg/L	4.00	47.6	112		75-125	6.22	20	
Thallium	0.497	0.050	mg/L	0.500	ND	99.4		75-125	9.07	20	
Vanadium	0.512	0.010	mg/L	0.500	0.00805	101		75-125	9.06	20	
Zinc	1.09	0.010	mg/L	1.00	0.117	97.1		75-125	8.90	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B318164 - SM21-23 4500 CN E											
Blank (B318164-BLK1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	ND	0.010	mg/L								
LCS (B318164-BS1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	0.70	0.010	mg/L	0.792		88.4	75.5-121				
LCS Dup (B318164-BSD1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	0.65	0.010	mg/L	0.792		81.6	75.5-121	7.98		10.2	
Batch B318742 - SM21-23 4500 CN E											
Blank (B318742-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.0055	0.010	mg/L								J
LCS (B318742-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.61	0.010	mg/L	0.772		79.4	75.5-121				
LCS Dup (B318742-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.69	0.010	mg/L	0.772		89.8	75.5-121	**12.3**	*	10.2	R-05
Matrix Spike (B318742-MS1)	**Source: 22I1499-02**			Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.37	0.010	mg/L	0.390	0.011	90.9	31.6-149				
Matrix Spike Dup (B318742-MSD1)	**Source: 22I1499-02**			Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.37	0.010	mg/L	0.390	0.011	93.2	31.6-149	2.46		28.4	
Reference (B318742-SRM1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.350	0.010	mg/L	0.386		90.6	0-200				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
H-06	Sample was extracted past the recommended holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-03	Surrogate recovery outside of control limits due to suspected sample matrix interference.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

Pace Analytical

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1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

22I1499

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC

Address: 335 Atlanta Ave

Phone: 631-447-6400 x155

Project Name: Crown Dykman

Project Location: Glen Cove, NY

Project Number: NYSDEC SWF # 130054

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-asmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code	ANALYSIS REQUESTED: VOCs 8260	SVOCs 8270	TAL Metals Total	Cr VI 7196	Dissolved TAL Metals	
								2	H	V	A	A	P	P	P	
1	MW-7BS-092222022	9/22/22	9:27		X	GW	U				X	X	X	X	—	
2	MW-7D-092222022		10:25												—	
1	MW-7D-092222022-MS		10:25												—	
—	MW-7D-092222022-MSD		10:25												—	
3	MW-30D-092222022	↓	12:00		↓	↓	↓				↓	↓	↓	↓	—	

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salonto (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	9/22/22 15:00
Received by: (signature)	Date/Time:
ENZ FRIDGE	9/22/22 15:00
Relinquished by: (signature)	Date/Time:
	9/23/22 1130
Received by: (signature)	Date/Time:
	9/23/22 11:30
Relinquished by: (signature)	Date/Time:
	9/23/22 1800
Received by: (signature) 2.2 2.0 3.1	Date/Time: 9/24 931

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

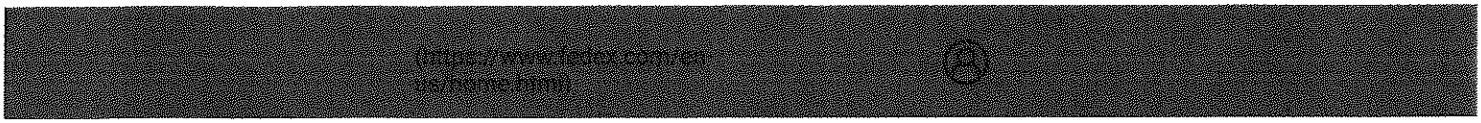
Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EAR

Received By IR Date 9/24 Time 931

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 3 Actual Temp - 2.2, 2.0, 3.1 By Blank # ____ Actual Temp - ____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? F Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	10	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	10	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 14, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glen Cove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22I1502

Enclosed are results of analyses for samples as received by the laboratory on September 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 10/14/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1502

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glen Cove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-23D09212022	22I1502-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-23S09212022	22I1502-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1D09212022	22I1502-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-30S09212022	22I1502-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-X09212022	22I1502-05	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SM21-23 4500 CN E

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

Cyanide
22I1502-05[MW-X09212022]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B318742-BSD1

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc
22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022]

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022]

SW-846 8260D

Qualifications:

DL-01

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

22I1502-01[MW-23D09212022]

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022]

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzidine
B318256-BS1

Hexachloroethane
B318256-BS1

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L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

N-Nitrosodimethylamine
B318256-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether
B318256-BLK1, B318256-BS1, B318256-BSD1

Di-n-octylphthalate
B318256-BLK1, B318256-BS1, B318256-BSD1

N-Nitrosodimethylamine
B318256-BLK1, B318256-BSD1

Phenol
B318256-BLK1, B318256-BS1, B318256-BSD1

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
B318256-BLK1

Phenol-d6
B318256-BLK1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S077299-CCV1, S077682-CCV1, S077739-CCV1

Benzidine
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S077299-CCV1, S077682-CCV1, S077739-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S077299-CCV1, S077682-CCV1, S077739-CCV1

Benzidine
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S077299-CCV1, S077682-CCV1, S077739-CCV1

Hexachlorocyclopentadiene
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S077299-CCV1, S077682-CCV1, S077739-CCV1

Pentachlorophenol
22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], S077739-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine
22I1502-01[MW-23D09212022], 22I1502-02[MW-23S09212022], 22I1502-03[MW-1D09212022], 22I1502-04[MW-30S09212022], 22I1502-05[MW-X09212022], B318256-BLK1, B318256-BS1, B318256-BSD1, S074943-ICV1, S077299-CCV1, S077682-CCV1, S077739-CCV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
cis-1,2-Dichloroethylene	12	2.0	0.29	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Naphthalene	ND	4.0	0.49	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Tetrachloroethylene	2.3	2.0	0.37	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Trichloroethylene	2.1	2.0	0.38	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	9/27/22	9/27/22 18:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.5	70-130		9/27/22 18:10
Toluene-d8	102	70-130		9/27/22 18:10
4-Bromofluorobenzene	97.4	70-130		9/27/22 18:10

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Acenaphthylene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Acetophenone	ND	9.9	0.52	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Aniline	ND	4.9	0.69	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Butylbenzylphthalate	ND	9.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Chloroaniline	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Di-n-butylphthalate	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,2-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,4-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4,6-Dinitro-2-methylphenol	ND	9.9	6.9	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4-Dinitrophenol	ND	9.9	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4-Dinitrotoluene	ND	9.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Hexachlorobutadiene	ND	9.9	0.76	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1	V-05	SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Isophorone	ND	9.9	0.54	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Naphthalene	ND	4.9	0.61	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Nitroaniline	ND	9.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
N-Nitrosodimethylamine	ND	9.9	0.77	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
N-Nitrosodi-n-propylamine	ND	9.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Pentachloronitrobenzene	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Phenol	ND	9.9	0.22	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.64	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA
2,4,6-Trichlorophenol	ND	9.9	0.44	µg/L	1		SW-846 8270E	9/28/22	10/6/22 19:39	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.5	15-110		10/6/22 19:39
Phenol-d6	25.0	15-110		10/6/22 19:39
Nitrobenzene-d5	74.2	30-130		10/6/22 19:39
2-Fluorobiphenyl	61.3	30-130		10/6/22 19:39
2,4,6-Tribromophenol	66.5	15-110		10/6/22 19:39
p-Terphenyl-d14	72.5	30-130		10/6/22 19:39

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.19	0.050	0.015	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Arsenic	0.020	0.010	0.0047	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Barium	0.036	0.050	0.0056	mg/L	1	J	SW-846 6010D	10/3/22	10/9/22 17:12	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:12	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:12	ATP
Calcium	44	0.50	0.11	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:12	ATP
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Copper	0.0040	0.010	0.0036	mg/L	1	J	SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Iron	3.2	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Manganese	0.34	0.010	0.0017	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Mercury	0.00020	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 12:38	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Potassium	5.7	2.0	0.30	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Sodium	20	2.0	0.53	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:44	MJH
Vanadium	0.011	0.010	0.0031	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:12	ATP
Zinc	0.81	0.010	0.0042	mg/L	1	B-07	SW-846 6010D	10/3/22	10/4/22 16:44	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23D09212022 | Sampled: 9/21/2022 10:11

Sample ID: 22I1502-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0068	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	9/27/22	9/28/22 11:05	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.2	200	8.1	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
2-Butanone (MEK)	19	80	6.5	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1-Dichloroethylene	0.76	4.0	0.57	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
cis-1,2-Dichloroethylene	290	4.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
trans-1,2-Dichloroethylene	1.6	4.0	0.67	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Tetrachloroethylene	230	4.0	0.75	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Tetrahydrofuran	7.3	40	2.0	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Trichloroethylene	160	4.0	0.76	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
Vinyl Chloride	4.2	8.0	0.83	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 19:55	EEH
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	9/27/22	9/27/22 19:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		9/27/22 19:55
Toluene-d8	101	70-130		9/27/22 19:55
4-Bromofluorobenzene	98.1	70-130		9/27/22 19:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	V-05	SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/28/22	10/6/22 20:01	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.0	15-110		10/6/22 20:01
Phenol-d6	29.4	15-110		10/6/22 20:01
Nitrobenzene-d5	86.4	30-130		10/6/22 20:01
2-Fluorobiphenyl	64.7	30-130		10/6/22 20:01
2,4,6-Tribromophenol	71.2	15-110		10/6/22 20:01
p-Terphenyl-d14	73.2	30-130		10/6/22 20:01

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.018	0.050	0.015	mg/L	1	J	SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Barium	0.038	0.050	0.0056	mg/L	1	J	SW-846 6010D	10/3/22	10/9/22 17:18	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:18	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:18	ATP
Calcium	72	0.50	0.11	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:18	ATP
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Iron	0.045	0.050	0.019	mg/L	1	J	SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Manganese	4.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Mercury	0.00020	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 12:40	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Potassium	5.5	2.0	0.30	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Sodium	63	2.0	0.53	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:50	MJH
Vanadium	0.010	0.010	0.0031	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:18	ATP
Zinc	0.58	0.010	0.0042	mg/L	1	B-07	SW-846 6010D	10/3/22	10/4/22 16:50	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-23S09212022 | Sampled: 9/21/2022 10:39

Sample ID: 22I1502-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	9/27/22	9/28/22 11:05	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.3	200	8.1	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
2-Butanone (MEK)	23	80	6.5	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 20:21	EEH
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
cis-1,2-Dichloroethylene	260	4.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
trans-1,2-Dichloroethylene	2.1	4.0	0.67	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Tetrachloroethylene	20	4.0	0.75	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Tetrahydrofuran	7.0	40	2.0	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Trichloroethylene	16	4.0	0.76	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
Vinyl Chloride	19	8.0	0.83	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	9/27/22	9/27/22 20:21	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		9/27/22 20:21
Toluene-d8	100	70-130		9/27/22 20:21
4-Bromofluorobenzene	98.7	70-130		9/27/22 20:21

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1	V-05	SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:31	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.2	15-110		10/7/22 11:31
Phenol-d6	30.2	15-110		10/7/22 11:31
Nitrobenzene-d5	92.1	30-130		10/7/22 11:31
2-Fluorobiphenyl	67.9	30-130		10/7/22 11:31
2,4,6-Tribromophenol	71.7	15-110		10/7/22 11:31
p-Terphenyl-d14	71.0	30-130		10/7/22 11:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Barium	0.083	0.050	0.0056	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:25	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:25	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:25	ATP
Calcium	39	0.50	0.11	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:25	ATP
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:56	MJH
Iron	1.5	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Magnesium	8.6	0.050	0.0095	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Manganese	3.8	0.010	0.0017	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Mercury	0.00021	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 14:05	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Potassium	4.3	2.0	0.30	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Sodium	110	2.0	0.53	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 16:55	MJH
Vanadium	0.0088	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/3/22	10/9/22 17:25	ATP
Zinc	0.030	0.010	0.0042	mg/L	1	B	SW-846 6010D	10/3/22	10/4/22 16:55	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-1D09212022 | Sampled: 9/21/2022 11:38

Sample ID: 22I1502-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0087	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	22	100	4.1	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,3-Dichlorobenzene	0.54	2.0	0.24	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
cis-1,2-Dichloroethylene	200	2.0	0.29	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
trans-1,2-Dichloroethylene	1.8	2.0	0.34	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Ethylbenzene	0.46	2.0	0.43	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Naphthalene	ND	4.0	0.49	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Tetrachloroethylene	0.62	2.0	0.37	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Tetrahydrofuran	7.2	20	0.98	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Toluene	2.0	2.0	0.45	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Trichloroethylene	ND	2.0	0.38	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,2,4-Trimethylbenzene	0.76	2.0	0.40	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	9/27/22	9/27/22 20:47	EEH
Vinyl Chloride	1.8	4.0	0.42	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
m+p Xylene	1.8	4.0	0.92	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH
o-Xylene	1.0	2.0	0.46	µg/L	2	J	SW-846 8260D	9/27/22	9/27/22 20:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		9/27/22 20:47
Toluene-d8	101	70-130		9/27/22 20:47
4-Bromofluorobenzene	97.4	70-130		9/27/22 20:47

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Aniline	ND	4.8	0.67	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzidine	ND	19	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Chloroaniline	ND	9.6	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1	V-04, V-05	SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1	L-04, V-05	SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Pentachlorophenol	ND	9.6	3.4	µg/L	1	V-05	SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	9/28/22	10/7/22 11:54	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.2	15-110		10/7/22 11:54
Phenol-d6	27.3	15-110		10/7/22 11:54
Nitrobenzene-d5	78.9	30-130		10/7/22 11:54
2-Fluorobiphenyl	63.9	30-130		10/7/22 11:54
2,4,6-Tribromophenol	71.3	15-110		10/7/22 11:54
p-Terphenyl-d14	70.3	30-130		10/7/22 11:54

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.58	0.050	0.015	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Barium	0.10	0.050	0.0056	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:32	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:32	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:32	ATP
Calcium	58	0.50	0.11	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Chromium	0.0027	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/3/22	10/9/22 17:32	ATP
Cobalt	0.0015	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:02	MJH
Iron	1.7	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Manganese	4.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Mercury	0.00019	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 14:07	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Potassium	10	2.0	0.30	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Sodium	120	2.0	0.53	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:01	MJH
Vanadium	0.013	0.010	0.0031	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:32	ATP
Zinc	0.033	0.010	0.0042	mg/L	1	B	SW-846 6010D	10/3/22	10/4/22 17:01	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-30S09212022 | Sampled: 9/21/2022 12:48

Sample ID: 22I1502-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0087	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	8.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Acrylonitrile	ND	20	2.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Bromobenzene	ND	4.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
2-Butanone (MEK)	23	80	6.5	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 21:13	EEH
tert-Butyl Alcohol (TBA)	ND	80	19	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
n-Butylbenzene	ND	4.0	0.61	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
sec-Butylbenzene	ND	4.0	0.44	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
tert-Butylbenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
2-Chlorotoluene	ND	4.0	0.46	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
4-Chlorotoluene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Dibromomethane	ND	4.0	1.4	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
trans-1,4-Dichloro-2-butene	ND	8.0	6.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
cis-1,2-Dichloroethylene	270	4.0	0.59	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
trans-1,2-Dichloroethylene	2.2	4.0	0.67	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,3-Dichloropropane	ND	2.0	0.52	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
2,2-Dichloropropane	ND	4.0	1.3	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1-Dichloropropene	ND	8.0	0.60	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Diethyl Ether	ND	8.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Hexachlorobutadiene	ND	2.4	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	4.0	0.39	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Naphthalene	ND	8.0	0.97	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
n-Propylbenzene	ND	4.0	0.34	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1,1,2-Tetrachloroethane	ND	4.0	0.71	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Tetrachloroethylene	21	4.0	0.75	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Tetrahydrofuran	7.4	40	2.0	µg/L	4	J	SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,3,5-Trichlorobenzene	ND	4.0	0.84	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Trichloroethylene	16	4.0	0.76	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2,3-Trichloropropane	ND	8.0	1.1	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,2,4-Trimethylbenzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
1,3,5-Trimethylbenzene	ND	4.0	0.45	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
Vinyl Chloride	17	8.0	0.83	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
m+p Xylene	ND	8.0	1.8	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH
o-Xylene	ND	4.0	0.92	µg/L	4		SW-846 8260D	9/27/22	9/27/22 21:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		9/27/22 21:13
Toluene-d8	102	70-130		9/27/22 21:13
4-Bromofluorobenzene	99.2	70-130		9/27/22 21:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1	V-04, V-05	SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04, V-05	SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Pentachlorophenol	ND	9.8	3.4	µg/L	1	V-05	SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/28/22	10/7/22 12:16	CLA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.1	15-110		10/7/22 12:16
Phenol-d6	29.0	15-110		10/7/22 12:16
Nitrobenzene-d5	83.6	30-130		10/7/22 12:16
2-Fluorobiphenyl	67.4	30-130		10/7/22 12:16
2,4,6-Tribromophenol	71.1	15-110		10/7/22 12:16
p-Terphenyl-d14	70.6	30-130		10/7/22 12:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.018	0.050	0.015	mg/L	1	J	SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Barium	0.086	0.050	0.0056	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:38	ATP
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:38	ATP
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:38	ATP
Calcium	39	0.50	0.11	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/3/22	10/9/22 17:38	ATP
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:08	MJH
Iron	1.5	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Magnesium	8.8	0.050	0.0095	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Manganese	3.9	0.010	0.0017	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Mercury	0.00028	0.00010	0.000040	mg/L	1		SW-846 7470A	9/29/22	10/4/22 14:09	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Potassium	4.4	2.0	0.30	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Sodium	110	2.0	0.53	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/3/22	10/4/22 17:06	MJH
Vanadium	0.0095	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/3/22	10/9/22 17:38	ATP
Zinc	0.031	0.010	0.0042	mg/L	1	B	SW-846 6010D	10/3/22	10/4/22 17:06	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1502

Date Received: 9/24/2022

Field Sample #: MW-X09212022 | Sampled: 9/21/2022 00:00

Sample ID: 22I1502-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0081	0.010	0.0035	mg/L	1	H-01, J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-01 [MW-23D09212022]	B318164	50.0	50.0	09/27/22
22I1502-02 [MW-23S09212022]	B318164	50.0	50.0	09/27/22

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-03 [MW-1D09212022]	B318742	50.0	50.0	10/04/22
22I1502-04 [MW-30S09212022]	B318742	50.0	50.0	10/04/22
22I1502-05 [MW-X09212022]	B318742	50.0	50.0	10/04/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-01 [MW-23D09212022]	B318701	50.0	50.0	10/03/22
22I1502-02 [MW-23S09212022]	B318701	50.0	50.0	10/03/22
22I1502-03 [MW-1D09212022]	B318701	50.0	50.0	10/03/22
22I1502-04 [MW-30S09212022]	B318701	50.0	50.0	10/03/22
22I1502-05 [MW-X09212022]	B318701	50.0	50.0	10/03/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-01 [MW-23D09212022]	B318267	10.0	10.0	09/29/22
22I1502-02 [MW-23S09212022]	B318267	10.0	10.0	09/29/22
22I1502-03 [MW-1D09212022]	B318267	10.0	10.0	09/29/22
22I1502-04 [MW-30S09212022]	B318267	10.0	10.0	09/29/22
22I1502-05 [MW-X09212022]	B318267	10.0	10.0	09/29/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-01 [MW-23D09212022]	B318150	2.5	5.00	09/27/22
22I1502-02 [MW-23S09212022]	B318150	1.25	5.00	09/27/22
22I1502-03 [MW-1D09212022]	B318150	1.25	5.00	09/27/22
22I1502-04 [MW-30S09212022]	B318150	2.5	5.00	09/27/22
22I1502-05 [MW-X09212022]	B318150	1.25	5.00	09/27/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1502-01 [MW-23D09212022]	B318256	1020	1.00	09/28/22
22I1502-02 [MW-23S09212022]	B318256	1020	1.00	09/28/22
22I1502-03 [MW-1D09212022]	B318256	1020	1.00	09/28/22
22I1502-04 [MW-30S09212022]	B318256	1040	1.00	09/28/22
22I1502-05 [MW-X09212022]	B318256	1020	1.00	09/28/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
Blank (B318150-BLK1)				Prepared & Analyzed: 09/27/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
Blank (B318150-BLK1)				Prepared & Analyzed: 09/27/22						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
Acetone	111	50	µg/L	100		111	70-160			†
Acrylonitrile	10.2	5.0	µg/L	10.0		102	70-130			
tert-Amyl Methyl Ether (TAME)	10.8	0.50	µg/L	10.0		108	70-130			
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	10.2	1.0	µg/L	10.0		102	70-130			
Bromomethane	12.3	2.0	µg/L	10.0		123	40-160			†
2-Butanone (MEK)	110	20	µg/L	100		110	40-160			†
tert-Butyl Alcohol (TBA)	108	20	µg/L	100		108	40-160			†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130			
Carbon Disulfide	113	5.0	µg/L	100		113	70-130			
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	11.2	2.0	µg/L	10.0		112	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
Chloromethane	10.1	2.0	µg/L	10.0		101	40-160			†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,4-Dichloro-2-butene	9.54	2.0	µg/L	10.0		95.4	70-130			
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110	70-130			
2,2-Dichloropropane	9.44	1.0	µg/L	10.0		94.4	40-130			†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
Diethyl Ether	10.7	2.0	µg/L	10.0		107	70-130			
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dioxane	93.3	50	µg/L	100		93.3	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	10.1	0.60	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	10.7	1.0	µg/L	10.0		107	70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Naphthalene	10.8	2.0	µg/L	10.0		108	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	10.9	5.0	µg/L	10.0		109	70-130			
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.0		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS (B318150-BS1)				Prepared & Analyzed: 09/27/22						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Vinyl Chloride	10.9	2.0	µg/L	10.0		109	40-160			†
m+p Xylene	20.9	2.0	µg/L	20.0		104	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.2	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.8	70-130			
LCS Dup (B318150-BSD1)				Prepared & Analyzed: 09/27/22						
Acetone	108	50	µg/L	100		108	70-160	2.97	25	†
Acrylonitrile	9.97	5.0	µg/L	10.0		99.7	70-130	1.89	25	
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130	1.74	25	
Benzene	11.0	1.0	µg/L	10.0		110	70-130	3.22	25	
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.189	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	4.09	25	
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	2.42	25	
Bromoform	10.5	1.0	µg/L	10.0		105	70-130	2.61	25	
Bromomethane	12.4	2.0	µg/L	10.0		124	40-160	1.54	25	†
2-Butanone (MEK)	108	20	µg/L	100		108	40-160	2.09	25	†
tert-Butyl Alcohol (TBA)	106	20	µg/L	100		106	40-160	1.94	25	†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.46	25	
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.31	25	
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25	
tert-Butyl Ethyl Ether (TBEE)	10.7	0.50	µg/L	10.0		107	70-130	0.468	25	
Carbon Disulfide	117	5.0	µg/L	100		117	70-130	3.83	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	1.93	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	2.90	25	
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130	1.81	25	
Chloroethane	11.4	2.0	µg/L	10.0		114	70-130	1.77	25	
Chloroform	10.7	2.0	µg/L	10.0		107	70-130	4.58	25	
Chloromethane	10.7	2.0	µg/L	10.0		107	40-160	6.14	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	3.40	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	0.681	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.24	25	
Dibromomethane	11.1	1.0	µg/L	10.0		111	70-130	0.271	25	
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.379	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.23	25	
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.23	25	
trans-1,4-Dichloro-2-butene	9.23	2.0	µg/L	10.0		92.3	70-130	3.30	25	
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160	0.561	25	†
1,1-Dichloroethane	11.3	1.0	µg/L	10.0		113	70-130	4.79	25	
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.15	25	
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	5.23	25	
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.76	25	
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	4.37	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	1.10	25	
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130	1.62	25	
2,2-Dichloropropane	9.81	1.0	µg/L	10.0		98.1	40-130	3.84	25	†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	2.12	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318150 - SW-846 5030B										
LCS Dup (B318150-BSD1)				Prepared & Analyzed: 09/27/22						
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.476	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	1.24	25	
Diethyl Ether	10.8	2.0	µg/L	10.0		108	70-130	1.49	25	
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106	70-130	0.471	25	
1,4-Dioxane	92.3	50	µg/L	100		92.3	40-130	1.09	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.97	25	
Hexachlorobutadiene	9.53	0.60	µg/L	10.0		95.3	70-130	6.20	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	2.20	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130	2.19	25	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103	70-130	1.36	25	
Methyl Acetate	10.5	1.0	µg/L	10.0		105	70-130	1.88	25	
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130	3.04	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	3.68	25	
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130	3.80	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	1.29	25	†
Naphthalene	10.3	2.0	µg/L	10.0		103	40-130	3.98	25	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130	2.29	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	2.41	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.65	25	
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	2.10	25	
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.01	25	
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130	0.859	25	
Toluene	11.0	1.0	µg/L	10.0		110	70-130	2.95	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	6.35	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.80	25	
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.27	25	
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	4.80	25	
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.819	25	
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.00	25	
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	70-130	6.22	25	
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130	1.03	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8	1.0	µg/L	10.0		118	70-130	4.44	25	
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.81	25	
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	2.20	25	
Vinyl Chloride	11.5	2.0	µg/L	10.0		115	40-160	5.61	25	†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130	2.46	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	2.11	25	
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318256 - SW-846 3510C										
Blank (B318256-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-04, V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							R-05
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							R-05
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318256 - SW-846 3510C												
Blank (B318256-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22								
2-Methylphenol	ND	10	µg/L									
3/4-Methylphenol	ND	10	µg/L									
Naphthalene	ND	5.0	µg/L									
2-Nitroaniline	ND	10	µg/L									
3-Nitroaniline	ND	10	µg/L									
4-Nitroaniline	ND	10	µg/L									
Nitrobenzene	ND	10	µg/L									
2-Nitrophenol	ND	10	µg/L									
4-Nitrophenol	ND	10	µg/L									
N-Nitrosodimethylamine	ND	10	µg/L								R-05	
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L									
N-Nitrosodi-n-propylamine	ND	10	µg/L									
Pentachloronitrobenzene	ND	10	µg/L									
Pentachlorophenol	ND	10	µg/L									
Phenanthrene	ND	5.0	µg/L									
Phenol	ND	10	µg/L								R-05	
Pyrene	ND	5.0	µg/L									
Pyridine	ND	5.0	µg/L									
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	µg/L									
2,4,5-Trichlorophenol	ND	10	µg/L									
2,4,6-Trichlorophenol	ND	10	µg/L									
Surrogate: 2-Fluorophenol	*30.7*		µg/L	200		15.3		15-110				
Surrogate: Phenol-d6	*22.5*		µg/L	200		**11.3**	*	15-110			S-07	
Surrogate: Nitrobenzene-d5	*35.7*		µg/L	100		35.7		30-130				
Surrogate: 2-Fluorobiphenyl	*29.1*		µg/L	100		**29.1**	*	30-130			S-07	
Surrogate: 2,4,6-Tribromophenol	*62.7*		µg/L	200		31.3		15-110				
Surrogate: p-Terphenyl-d14	*31.8*		µg/L	100		31.8		30-130				
LCS (B318256-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22								
Acenaphthene	26.4	5.0	µg/L	50.0		52.8		40-140				
Acenaphthylene	28.7	5.0	µg/L	50.0		57.5		40-140				
Acetophenone	25.3	10	µg/L	50.0		50.7		40-140				
Aniline	27.3	5.0	µg/L	50.0		54.6		40-140				
Anthracene	30.5	5.0	µg/L	50.0		61.0		40-140				
Benzidine	73.9	20	µg/L	50.0		**148**	*	40-140			L-07, V-04, V-05, V-35	
Benzo(a)anthracene	29.3	5.0	µg/L	50.0		58.6		40-140				
Benzo(a)pyrene	28.2	5.0	µg/L	50.0		56.3		40-140				
Benzo(b)fluoranthene	25.4	5.0	µg/L	50.0		50.9		40-140				
Benzo(g,h,i)perylene	26.7	5.0	µg/L	50.0		53.4		40-140				
Benzo(k)fluoranthene	30.9	5.0	µg/L	50.0		61.8		40-140				
Benzoic Acid	6.19	10	µg/L	50.0		12.4		10-130			J	†
Bis(2-chloroethoxy)methane	27.3	10	µg/L	50.0		54.7		40-140				
Bis(2-chloroethyl)ether	24.7	10	µg/L	50.0		49.4		40-140				
Bis(2-chloroisopropyl)ether	29.9	10	µg/L	50.0		59.8		40-140			R-05	
Bis(2-Ethylhexyl)phthalate	30.2	10	µg/L	50.0		60.4		40-140				
4-Bromophenylphenylether	30.4	10	µg/L	50.0		60.8		40-140				
Butylbenzylphthalate	29.0	10	µg/L	50.0		58.0		40-140				
Carbazole	31.0	10	µg/L	50.0		62.0		40-140				
4-Chloroaniline	30.5	10	µg/L	50.0		60.9		40-140				
4-Chloro-3-methylphenol	31.8	10	µg/L	50.0		63.6		30-130				
2-Chloronaphthalene	23.9	10	µg/L	50.0		47.8		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318256 - SW-846 3510C												
LCS (B318256-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22								
2-Chlorophenol	22.9	10	µg/L	50.0		45.8		30-130				
4-Chlorophenylphenylether	31.8	10	µg/L	50.0		63.7		40-140				
Chrysene	29.0	5.0	µg/L	50.0		58.0		40-140				
Dibenz(a,h)anthracene	27.9	5.0	µg/L	50.0		55.7		40-140				
Dibenzofuran	31.1	5.0	µg/L	50.0		62.2		40-140				
Di-n-butylphthalate	33.0	10	µg/L	50.0		66.0		40-140				
1,2-Dichlorobenzene	21.2	5.0	µg/L	50.0		42.3		40-140				
1,3-Dichlorobenzene	20.1	5.0	µg/L	50.0		40.2		40-140				
1,4-Dichlorobenzene	20.6	5.0	µg/L	50.0		41.2		40-140				
3,3-Dichlorobenzidine	34.4	10	µg/L	50.0		68.8		40-140				
2,4-Dichlorophenol	28.4	10	µg/L	50.0		56.9		30-130				
Diethylphthalate	32.3	10	µg/L	50.0		64.6		40-140				
2,4-Dimethylphenol	30.0	10	µg/L	50.0		60.1		30-130				
Dimethylphthalate	32.5	10	µg/L	50.0		64.9		40-140				
4,6-Dinitro-2-methylphenol	31.0	10	µg/L	50.0		61.9		30-130				
2,4-Dinitrophenol	16.8	10	µg/L	50.0		33.6		30-130			V-04, V-05	
2,4-Dinitrotoluene	32.1	10	µg/L	50.0		64.2		40-140				
2,6-Dinitrotoluene	32.2	10	µg/L	50.0		64.3		40-140				
Di-n-octylphthalate	27.6	10	µg/L	50.0		55.2		40-140			R-05	
1,2-Diphenylhydrazine/Azobenzene	26.7	10	µg/L	50.0		53.4		40-140				
Fluoranthene	34.0	5.0	µg/L	50.0		67.9		40-140				
Fluorene	31.5	5.0	µg/L	50.0		63.0		40-140				
Hexachlorobenzene	31.5	10	µg/L	50.0		63.0		40-140				
Hexachlorobutadiene	24.6	10	µg/L	50.0		49.1		40-140				
Hexachlorocyclopentadiene	5.28	10	µg/L	50.0		**10.6**	*	30-140			L-04, V-05, J	†
Hexachloroethane	19.1	10	µg/L	50.0		**38.2**	*	40-140			L-07	
Indeno(1,2,3-cd)pyrene	25.1	5.0	µg/L	50.0		50.2		40-140				
Isophorone	30.5	10	µg/L	50.0		60.9		40-140				
1-Methylnaphthalene	24.4	5.0	µg/L	50.0		48.9		40-140				
2-Methylnaphthalene	28.5	5.0	µg/L	50.0		57.0		40-140				
2-Methylphenol	23.6	10	µg/L	50.0		47.2		30-130				
3/4-Methylphenol	24.2	10	µg/L	50.0		48.3		30-130				
Naphthalene	25.7	5.0	µg/L	50.0		51.4		40-140				
2-Nitroaniline	29.2	10	µg/L	50.0		58.5		40-140				
3-Nitroaniline	32.4	10	µg/L	50.0		64.9		40-140				
4-Nitroaniline	30.1	10	µg/L	50.0		60.1		40-140				
Nitrobenzene	25.0	10	µg/L	50.0		50.1		40-140				
2-Nitrophenol	27.5	10	µg/L	50.0		55.0		30-130				
4-Nitrophenol	16.9	10	µg/L	50.0		33.8		10-130				†
N-Nitrosodimethylamine	16.9	10	µg/L	50.0		**33.8**	*	40-140			L-07A	
N-Nitrosodiphenylamine/Diphenylamine	30.5	10	µg/L	50.0		61.0		40-140				
N-Nitrosodi-n-propylamine	29.8	10	µg/L	50.0		59.5		40-140				
Pentachloronitrobenzene	34.4	10	µg/L	50.0		68.8		40-140				
Pentachlorophenol	20.8	10	µg/L	50.0		41.7		30-130				
Phenanthrene	30.2	5.0	µg/L	50.0		60.4		40-140				
Phenol	12.1	10	µg/L	50.0		24.2		20-130			R-05	†
Pyrene	29.4	5.0	µg/L	50.0		58.7		40-140				
Pyridine	13.8	5.0	µg/L	50.0		27.6		10-140				†
1,2,4,5-Tetrachlorobenzene	26.8	10	µg/L	50.0		53.5		40-140				
1,2,4-Trichlorobenzene	23.9	5.0	µg/L	50.0		47.8		40-140				
2,4,5-Trichlorophenol	29.9	10	µg/L	50.0		59.8		30-130				
2,4,6-Trichlorophenol	29.2	10	µg/L	50.0		58.5		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B318256 - SW-846 3510C												
LCS (B318256-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22								
Surrogate: 2-Fluorophenol	*61.7*		µg/L	200		30.8	15-110					
Surrogate: Phenol-d6	*48.7*		µg/L	200		24.4	15-110					
Surrogate: Nitrobenzene-d5	*71.2*		µg/L	100		71.2	30-130					
Surrogate: 2-Fluorobiphenyl	*63.4*		µg/L	100		63.4	30-130					
Surrogate: 2,4,6-Tribromophenol	*138*		µg/L	200		69.0	15-110					
Surrogate: p-Terphenyl-d14	*67.0*		µg/L	100		67.0	30-130					
LCS Dup (B318256-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22								
Acenaphthene	30.7	5.0	µg/L	50.0		61.3	40-140	14.9		20		
Acenaphthylene	33.4	5.0	µg/L	50.0		66.7	40-140	14.9		20		
Acetophenone	30.1	10	µg/L	50.0		60.2	40-140	17.2		20		
Aniline	33.1	5.0	µg/L	50.0		66.2	40-140	19.3		50		‡
Anthracene	35.8	5.0	µg/L	50.0		71.7	40-140	16.1		20		
Benzidine	65.2	20	µg/L	50.0		130	40-140	12.6		20	V-04, V-05, V-35	
Benzo(a)anthracene	34.3	5.0	µg/L	50.0		68.6	40-140	15.6		20		
Benzo(a)pyrene	33.0	5.0	µg/L	50.0		65.9	40-140	15.7		20		
Benzo(b)fluoranthene	29.5	5.0	µg/L	50.0		59.1	40-140	14.9		20		
Benzo(g,h,i)perylene	31.8	5.0	µg/L	50.0		63.6	40-140	17.5		20		
Benzo(k)fluoranthene	36.2	5.0	µg/L	50.0		72.3	40-140	15.8		20		
Benzoic Acid	8.39	10	µg/L	50.0		16.8	10-130	30.2		50	J	† ‡
Bis(2-chloroethoxy)methane	32.7	10	µg/L	50.0		65.4	40-140	17.9		20		
Bis(2-chloroethyl)ether	30.2	10	µg/L	50.0		60.4	40-140	20.0		20		
Bis(2-chloroisopropyl)ether	36.6	10	µg/L	50.0		73.2	40-140	**20.3**	*	20	R-05	
Bis(2-Ethylhexyl)phthalate	36.8	10	µg/L	50.0		73.6	40-140	19.8		20		
4-Bromophenylphenylether	35.9	10	µg/L	50.0		71.9	40-140	16.7		20		
Butylbenzylphthalate	34.8	10	µg/L	50.0		69.6	40-140	18.2		20		
Carbazole	37.1	10	µg/L	50.0		74.1	40-140	17.8		20		
4-Chloroaniline	34.2	10	µg/L	50.0		68.4	40-140	11.6		20		
4-Chloro-3-methylphenol	37.6	10	µg/L	50.0		75.2	30-130	16.7		20		
2-Chloronaphthalene	27.5	10	µg/L	50.0		54.9	40-140	13.9		20		
2-Chlorophenol	27.9	10	µg/L	50.0		55.7	30-130	19.5		20		
4-Chlorophenylphenylether	36.5	10	µg/L	50.0		73.0	40-140	13.7		20		
Chrysene	34.1	5.0	µg/L	50.0		68.2	40-140	16.1		20		
Dibenz(a,h)anthracene	33.4	5.0	µg/L	50.0		66.8	40-140	18.1		20		
Dibenzofuran	35.6	5.0	µg/L	50.0		71.2	40-140	13.4		20		
Di-n-butylphthalate	40.1	10	µg/L	50.0		80.2	40-140	19.5		20		
1,2-Dichlorobenzene	23.2	5.0	µg/L	50.0		46.5	40-140	9.37		20		
1,3-Dichlorobenzene	21.5	5.0	µg/L	50.0		42.9	40-140	6.54		20		
1,4-Dichlorobenzene	22.3	5.0	µg/L	50.0		44.5	40-140	7.84		20		
3,3-Dichlorobenzidine	38.8	10	µg/L	50.0		77.7	40-140	12.1		20		
2,4-Dichlorophenol	33.6	10	µg/L	50.0		67.2	30-130	16.7		20		
Diethylphthalate	38.4	10	µg/L	50.0		76.8	40-140	17.1		20		
2,4-Dimethylphenol	35.7	10	µg/L	50.0		71.4	30-130	17.3		20		
Dimethylphthalate	38.1	10	µg/L	50.0		76.1	40-140	15.9		50		‡
4,6-Dinitro-2-methylphenol	35.7	10	µg/L	50.0		71.4	30-130	14.2		50		‡
2,4-Dinitrophenol	21.7	10	µg/L	50.0		43.3	30-130	25.3		50	V-04, V-05	‡
2,4-Dinitrotoluene	37.4	10	µg/L	50.0		74.7	40-140	15.2		20		
2,6-Dinitrotoluene	37.5	10	µg/L	50.0		75.0	40-140	15.3		20		
Di-n-octylphthalate	33.9	10	µg/L	50.0		67.8	40-140	**20.4**	*	20	R-05	
1,2-Diphenylhydrazine/Azobenzene	32.3	10	µg/L	50.0		64.6	40-140	19.0		20		
Fluoranthene	39.9	5.0	µg/L	50.0		79.7	40-140	16.0		20		
Fluorene	35.7	5.0	µg/L	50.0		71.5	40-140	12.6		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B318256 - SW-846 3510C													
LCS Dup (B318256-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22									
Hexachlorobenzene	36.5	10	µg/L	50.0		73.1		40-140	14.8		20		
Hexachlorobutadiene	26.1	10	µg/L	50.0		52.1		40-140	5.89		20		
Hexachlorocyclopentadiene	6.27	10	µg/L	50.0		**12.5**	*	30-140	17.1		50	L-04, V-05, J	† ‡
Hexachloroethane	21.0	10	µg/L	50.0		41.9		40-140	9.19		50		‡
Indeno(1,2,3-cd)pyrene	31.0	5.0	µg/L	50.0		62.0		40-140	21.0		50		‡
Isophorone	36.5	10	µg/L	50.0		73.0		40-140	18.0		20		
1-Methylnaphthalene	27.6	5.0	µg/L	50.0		55.2		40-140	12.2		20		
2-Methylnaphthalene	32.6	5.0	µg/L	50.0		65.1		40-140	13.3		20		
2-Methylphenol	28.5	10	µg/L	50.0		57.1		30-130	19.0		20		
3/4-Methylphenol	28.8	10	µg/L	50.0		57.5		30-130	17.3		20		
Naphthalene	29.1	5.0	µg/L	50.0		58.1		40-140	12.3		20		
2-Nitroaniline	35.6	10	µg/L	50.0		71.2		40-140	19.7		20		
3-Nitroaniline	38.0	10	µg/L	50.0		76.1		40-140	15.9		20		
4-Nitroaniline	35.8	10	µg/L	50.0		71.5		40-140	17.3		20		
Nitrobenzene	30.1	10	µg/L	50.0		60.1		40-140	18.2		20		
2-Nitrophenol	32.8	10	µg/L	50.0		65.6		30-130	17.5		20		
4-Nitrophenol	20.4	10	µg/L	50.0		40.9		10-130	18.9		50		† ‡
N-Nitrosodimethylamine	22.0	10	µg/L	50.0		43.9		40-140	**26.0**	*	20	R-05	
N-Nitrosodiphenylamine/Diphenylamine	35.9	10	µg/L	50.0		71.7		40-140	16.2		20		
N-Nitrosodi-n-propylamine	35.9	10	µg/L	50.0		71.8		40-140	18.7		20		
Pentachloronitrobenzene	40.8	10	µg/L	50.0		81.7		40-140	17.2		20		
Pentachlorophenol	24.9	10	µg/L	50.0		49.8		30-130	17.7		50		‡
Phenanthrene	35.6	5.0	µg/L	50.0		71.1		40-140	16.2		20		
Phenol	14.8	10	µg/L	50.0		29.6		20-130	**20.1**	*	20	R-05	†
Pyrene	34.5	5.0	µg/L	50.0		69.1		40-140	16.2		20		
Pyridine	16.6	5.0	µg/L	50.0		33.3		10-140	18.7		50		† ‡
1,2,4,5-Tetrachlorobenzene	31.0	10	µg/L	50.0		62.0		40-140	14.7		20		
1,2,4-Trichlorobenzene	26.3	5.0	µg/L	50.0		52.7		40-140	9.71		20		
2,4,5-Trichlorophenol	35.3	10	µg/L	50.0		70.6		30-130	16.5		20		
2,4,6-Trichlorophenol	34.6	10	µg/L	50.0		69.1		30-130	16.7		50		‡
Surrogate: 2-Fluorophenol	*74.0*		µg/L	200		37.0		15-110					
Surrogate: Phenol-d6	*57.6*		µg/L	200		28.8		15-110					
Surrogate: Nitrobenzene-d5	*84.9*		µg/L	100		84.9		30-130					
Surrogate: 2-Fluorobiphenyl	*71.2*		µg/L	100		71.2		30-130					
Surrogate: 2,4,6-Tribromophenol	*155*		µg/L	200		77.6		15-110					
Surrogate: p-Terphenyl-d14	*77.3*		µg/L	100		77.3		30-130					

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318267 - SW-846 7470A Prep										
Blank (B318267-BLK1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.000089	0.00010	mg/L							J
LCS (B318267-BS1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.00459	0.00010	mg/L	0.00402		114	80-120			
LCS Dup (B318267-BSD1)				Prepared: 09/29/22 Analyzed: 10/04/22						
Mercury	0.00467	0.00010	mg/L	0.00402		116	80-120	1.82	20	
Batch B318701 - SW-846 3005A										
Blank (B318701-BLK1)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Calcium	ND	0.50	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Zinc	0.0046	0.010	mg/L							J
Blank (B318701-BLK2)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Calcium	ND	0.50	mg/L							
Cobalt	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Zinc	0.0046	0.010	mg/L							J

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318701 - SW-846 3005A										
LCS (B318701-BS1)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	0.460	0.050	mg/L	0.500		92.0	80-120			
Antimony	0.474	0.050	mg/L	0.500		94.7	80-120			
Arsenic	0.465	0.010	mg/L	0.500		93.1	80-120			
Calcium	3.77	0.50	mg/L	4.00		94.3	80-120			
Cobalt	0.495	0.010	mg/L	0.500		99.0	80-120			
Copper	1.01	0.010	mg/L	1.00		101	80-120			
Iron	3.86	0.050	mg/L	4.00		96.4	80-120			
Lead	0.488	0.010	mg/L	0.500		97.6	80-120			
Magnesium	3.80	0.050	mg/L	4.00		95.0	80-120			
Manganese	0.478	0.010	mg/L	0.500		95.6	80-120			
Nickel	0.496	0.010	mg/L	0.500		99.3	80-120			
Potassium	3.73	2.0	mg/L	4.00		93.3	80-120			
Selenium	0.483	0.050	mg/L	0.500		96.5	80-120			
Silver	0.495	0.010	mg/L	0.500		98.9	80-120			
Sodium	3.87	2.0	mg/L	4.00		96.8	80-120			
Thallium	0.470	0.050	mg/L	0.500		94.0	80-120			
Zinc	0.991	0.010	mg/L	1.00		99.1	80-120			
LCS (B318701-BS2)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	0.460	0.050	mg/L	0.500		92.0	80-120			
Antimony	0.474	0.050	mg/L	0.500		94.7	80-120			
Arsenic	0.465	0.010	mg/L	0.500		93.1	80-120			
Calcium	3.77	0.50	mg/L	4.00		94.3	80-120			
Cobalt	0.495	0.010	mg/L	0.500		99.0	80-120			
Iron	3.86	0.050	mg/L	4.00		96.4	80-120			
Lead	0.488	0.010	mg/L	0.500		97.6	80-120			
Magnesium	3.80	0.050	mg/L	4.00		95.0	80-120			
Manganese	0.478	0.010	mg/L	0.500		95.6	80-120			
Nickel	0.496	0.010	mg/L	0.500		99.3	80-120			
Potassium	3.73	2.0	mg/L	4.00		93.3	80-120			
Selenium	0.483	0.050	mg/L	0.500		96.5	80-120			
Silver	0.495	0.010	mg/L	0.500		98.9	80-120			
Sodium	3.87	2.0	mg/L	4.00		96.8	80-120			
Thallium	0.470	0.050	mg/L	0.500		94.0	80-120			
Zinc	0.991	0.010	mg/L	1.00		99.1	80-120			
LCS Dup (B318701-BSD1)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	0.450	0.050	mg/L	0.500		90.0	80-120	2.20	20	
Antimony	0.471	0.050	mg/L	0.500		94.2	80-120	0.608	20	
Arsenic	0.464	0.010	mg/L	0.500		92.8	80-120	0.316	20	
Calcium	3.62	0.50	mg/L	4.00		90.4	80-120	4.24	20	
Cobalt	0.489	0.010	mg/L	0.500		97.9	80-120	1.15	20	
Copper	1.00	0.010	mg/L	1.00		100	80-120	1.23	20	
Iron	3.68	0.050	mg/L	4.00		92.1	80-120	4.59	20	
Lead	0.489	0.010	mg/L	0.500		97.8	80-120	0.193	20	
Magnesium	3.70	0.050	mg/L	4.00		92.5	80-120	2.69	20	
Manganese	0.458	0.010	mg/L	0.500		91.6	80-120	4.27	20	
Nickel	0.492	0.010	mg/L	0.500		98.5	80-120	0.833	30	
Potassium	3.68	2.0	mg/L	4.00		92.1	80-120	1.34	20	
Selenium	0.484	0.050	mg/L	0.500		96.8	80-120	0.282	20	
Silver	0.491	0.010	mg/L	0.500		98.3	80-120	0.667	20	
Sodium	3.78	2.0	mg/L	4.00		94.4	80-120	2.51	20	
Thallium	0.457	0.050	mg/L	0.500		91.4	80-120	2.80	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318701 - SW-846 3005A										
LCS Dup (B318701-BSD1)				Prepared: 10/03/22 Analyzed: 10/04/22						
Zinc	0.986	0.010	mg/L	1.00		98.6	80-120	0.512	20	
LCS Dup (B318701-BSD2)				Prepared: 10/03/22 Analyzed: 10/04/22						
Aluminum	0.450	0.050	mg/L	0.500		90.0	80-120	2.20	20	
Antimony	0.471	0.050	mg/L	0.500		94.2	80-120	0.608	20	
Arsenic	0.464	0.010	mg/L	0.500		92.8	80-120	0.316	20	
Calcium	3.62	0.50	mg/L	4.00		90.4	80-120	4.24	20	
Cobalt	0.489	0.010	mg/L	0.500		97.9	80-120	1.15	20	
Iron	3.68	0.050	mg/L	4.00		92.1	80-120	4.59	20	
Lead	0.489	0.010	mg/L	0.500		97.8	80-120	0.193	20	
Magnesium	3.70	0.050	mg/L	4.00		92.5	80-120	2.69	20	
Manganese	0.458	0.010	mg/L	0.500		91.6	80-120	4.27	20	
Nickel	0.492	0.010	mg/L	0.500		98.5	80-120	0.833	30	
Potassium	3.68	2.0	mg/L	4.00		92.1	80-120	1.34	20	
Selenium	0.484	0.050	mg/L	0.500		96.8	80-120	0.282	20	
Silver	0.491	0.010	mg/L	0.500		98.3	80-120	0.667	20	
Sodium	3.78	2.0	mg/L	4.00		94.4	80-120	2.51	20	
Thallium	0.457	0.050	mg/L	0.500		91.4	80-120	2.80	20	
Zinc	0.986	0.010	mg/L	1.00		98.6	80-120	0.512	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B318164 - SM21-23 4500 CN E											
Blank (B318164-BLK1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	ND	0.010	mg/L								
LCS (B318164-BS1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	0.70	0.010	mg/L	0.792		88.4	75.5-121				
LCS Dup (B318164-BSD1)				Prepared: 09/27/22 Analyzed: 09/28/22							
Cyanide	0.65	0.010	mg/L	0.792		81.6	75.5-121	7.98		10.2	
Batch B318742 - SM21-23 4500 CN E											
Blank (B318742-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.0055	0.010	mg/L								J
LCS (B318742-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.61	0.010	mg/L	0.772		79.4	75.5-121				
LCS Dup (B318742-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.69	0.010	mg/L	0.772		89.8	75.5-121	**12.3**	*	10.2	R-05
Reference (B318742-SRM1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.350	0.010	mg/L	0.386		90.6	0-200				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
H-01	Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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https://www.pacelabs.com/

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

22I502

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC
Address: 225 Atlantic Ave
Phone: 631-427-6400 x155
Project Name: Crown Dykman
Project Location: Glen Cove, NY
Project Number: NYSDEC Site # 130054
Project Manager: Trisha Vicale
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-asmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	MW-23D 092122	9/21/22	10:11		X	GW	U
2	MW-23S 092122		10:39				
3	MW-1D 092122		11:38				
4	MW-30S 092122		12:48				
5	MW-X 092122	↓	-		↓	↓	↓

# of Containers	2	2	1	1	1
[2] Preservation Code	H	H	N	X	N
[3] Container Code	V	A	P	P	P

ANALYSIS REQUESTED

VOCs 8260D	SVOCs 8270E	PFAS Modified 1633	1,4-Dioxane 8270E	Total Phenolics 9065
X	X	X	X	-
				-
				-
				-
↓	↓	↓	↓	-

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	9/21/22 15:00
Received by: (signature) EAR FRIDGE	9/21/22 15:00
Relinquished by: (signature)	9/22/22 1202
Received by: (signature)	9-22-22
Relinquished by: (signature)	9/22/22 1545
Received by: (signature)	9/22/22 1800

35, 3.0, 4.1 9/24 931

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
4.2

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:
NELAC and AIHA-LAP, LLC Accredited

Other:
Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Saturday

9/24/2022 at 9:31 am

Signed for by: L.RIOS

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DELIVERY STATUS

Delivered

Get Status Updates

TRACKING ID

608945212095

FROM
MELVILLE, NY US

Label Created
9/23/2022 1:34 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
9/23/2022 3:53 PM

IN TRANSIT
WINDSOR LOCKS, CT
9/24/2022 8:25 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
9/24/2022 8:48 AM

DELIVERED
EAST LONGMEADOW, MA US

DELIVERED
9/24/2022 at 9:31 AM

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Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EAR

Received By IR Date 9/24 Time 931

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct From Sample _____ Ambient _____ Melted Ice _____

Were samples within Tempurature? Within 2-6°C T By Gun # 3 Actual Temp - 3.5, 3.0, 4.1 By Blank # _____ Actual Temp - _____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? F Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive T On COC? T

Do All Samples Have the proper pH? Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	10	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	10	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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October 14, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glen Cove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22I1637

Enclosed are results of analyses for samples as received by the laboratory on September 27, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 10/14/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1637

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glen Cove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-25RS-09232022	22I1637-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-25RD-09232022	22I1637-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-21S-09232022	22I1637-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-21D-09232022	22I1637-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-22RS-09232022	22I1637-05	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SM21-23 4500 CN E

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Cyanide
B318742-BSD1

SW-846 6010D

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc
22I1637-03[MW-21S-09232022], 22I1637-05[MW-22RS-09232022]

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Zinc
22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022]

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc
22I1637-04[MW-21D-09232022]

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1637-02[MW-25RD-09232022], 22I1637-05[MW-22RS-09232022]

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], B318494-BLK1, B318494-BS1, B318494-BSD1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Benzidine
B318494-BSD1

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R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Benzidine

22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], B318494-BLK1, B318494-BS1

N-Nitrosodimethylamine

22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], B318494-BLK1, B318494-BS1, B318494-BSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1

Benzidine

B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1

Benzidine

22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1, S077704-CCV1, S077771-CCV1

Hexachlorocyclopentadiene

B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1

Pentachlorophenol

B318494-BLK1, B318494-BS1, B318494-BSD1, S077521-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4,6-Dinitro-2-methylphenol

22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], S077704-CCV1, S077771-CCV1

Benzidine

22I1637-01[MW-25RS-09232022], 22I1637-02[MW-25RD-09232022], 22I1637-03[MW-21S-09232022], 22I1637-04[MW-21D-09232022], 22I1637-05[MW-22RS-09232022], B318494-BLK1, B318494-BS1, B318494-BSD1, S074943-ICV1, S077521-CCV1, S077704-CCV1, S077771-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
cis-1,2-Dichloroethylene	34	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Tetrachloroethylene	24	1.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Trichloroethylene	10	1.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
Vinyl Chloride	0.64	2.0	0.21	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 16:13	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		9/30/22 16:13
Toluene-d8	101	70-130		9/30/22 16:13
4-Bromofluorobenzene	97.9	70-130		9/30/22 16:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1	R-05	SW-846 8270E	9/30/22	10/8/22 20:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.8	15-110		10/8/22 20:36
Phenol-d6	23.4	15-110		10/8/22 20:36
Nitrobenzene-d5	43.7	30-130		10/8/22 20:36
2-Fluorobiphenyl	55.4	30-130		10/8/22 20:36
2,4,6-Tribromophenol	72.8	15-110		10/8/22 20:36
p-Terphenyl-d14	66.0	30-130		10/8/22 20:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.044	0.050	0.015	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/6/22	10/13/22 22:37	ATP
Barium	0.040	0.050	0.0056	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Calcium	51	0.50	0.11	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Chromium	0.0067	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Iron	0.10	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Manganese	3.6	0.010	0.0017	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:14	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Potassium	4.4	2.0	0.30	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Sodium	37	2.0	0.53	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Vanadium	0.0090	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:45	MJH
Zinc	ND	0.010	0.0042	mg/L	1	B-05	SW-846 6010D	10/6/22	10/6/22 16:45	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RS-09232022 | Sampled: 9/23/2022 09:49

Sample ID: 22I1637-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0068	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Acrylonitrile	ND	25	2.7	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	0.71	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Bromobenzene	ND	5.0	0.75	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
2-Butanone (MEK)	14	100	8.1	µg/L	5	J	SW-846 8260D	9/28/22	9/30/22 17:05	EEH
tert-Butyl Alcohol (TBA)	ND	100	23	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
n-Butylbenzene	ND	5.0	0.76	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
sec-Butylbenzene	ND	5.0	0.55	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
tert-Butylbenzene	ND	5.0	0.64	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	0.74	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
2-Chlorotoluene	ND	5.0	0.57	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
4-Chlorotoluene	ND	5.0	0.59	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Dibromomethane	ND	5.0	1.8	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
trans-1,4-Dichloro-2-butene	ND	10	8.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1-Dichloroethylene	0.80	5.0	0.71	µg/L	5	J	SW-846 8260D	9/28/22	9/30/22 17:05	EEH
cis-1,2-Dichloroethylene	530	5.0	0.73	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
trans-1,2-Dichloroethylene	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,3-Dichloropropane	ND	2.5	0.65	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
2,2-Dichloropropane	ND	5.0	1.6	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1-Dichloropropene	ND	10	0.75	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Diethyl Ether	ND	10	0.91	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	0.64	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Hexachlorobutadiene	ND	3.0	2.3	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	0.49	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Naphthalene	ND	10	1.2	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
n-Propylbenzene	ND	5.0	0.43	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	0.89	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Tetrachloroethylene	3.0	5.0	0.94	µg/L	5	J	SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Tetrahydrofuran	ND	50	2.5	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,3,5-Trichlorobenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Trichloroethylene	2.0	5.0	0.95	µg/L	5	J	SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2,3-Trichloropropane	ND	10	1.4	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,2,4-Trimethylbenzene	ND	5.0	0.99	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
1,3,5-Trimethylbenzene	ND	5.0	0.57	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
Vinyl Chloride	15	10	1.0	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
m+p Xylene	ND	10	2.3	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH
o-Xylene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/28/22	9/30/22 17:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		9/30/22 17:05
Toluene-d8	102	70-130		9/30/22 17:05
4-Bromofluorobenzene	98.7	70-130		9/30/22 17:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1	L-04	SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1	R-05	SW-846 8270E	9/30/22	10/8/22 21:02	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	33.7	15-110		10/8/22 21:02
Phenol-d6	22.1	15-110		10/8/22 21:02
Nitrobenzene-d5	44.9	30-130		10/8/22 21:02
2-Fluorobiphenyl	56.1	30-130		10/8/22 21:02
2,4,6-Tribromophenol	74.6	15-110		10/8/22 21:02
p-Terphenyl-d14	70.1	30-130		10/8/22 21:02

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/6/22	10/13/22 22:43	ATP
Barium	0.11	0.050	0.0056	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Calcium	42	0.50	0.11	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Cobalt	0.0029	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Iron	10	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Manganese	11	0.010	0.0017	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:29	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Potassium	6.7	2.0	0.30	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Sodium	98	2.0	0.53	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Vanadium	0.013	0.010	0.0031	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:52	MJH
Zinc	ND	0.010	0.0042	mg/L	1	B-05	SW-846 6010D	10/6/22	10/6/22 16:52	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-25RD-09232022 | Sampled: 9/23/2022 10:40

Sample ID: 22I1637-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0068	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
cis-1,2-Dichloroethylene	41	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
trans-1,2-Dichloroethylene	0.30	1.0	0.17	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Tetrachloroethylene	36	1.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Trichloroethylene	5.5	1.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
Vinyl Chloride	2.2	2.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 16:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		9/30/22 16:39
Toluene-d8	100	70-130		9/30/22 16:39
4-Bromofluorobenzene	98.0	70-130		9/30/22 16:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1	R-05	SW-846 8270E	9/30/22	10/10/22 17:08	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/30/22	10/10/22 17:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	30.4	15-110		10/10/22 17:08
Phenol-d6	21.8	15-110		10/10/22 17:08
Nitrobenzene-d5	39.7	30-130		10/10/22 17:08
2-Fluorobiphenyl	51.1	30-130		10/10/22 17:08
2,4,6-Tribromophenol	70.0	15-110		10/10/22 17:08
p-Terphenyl-d14	65.0	30-130		10/10/22 17:08

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.11	0.050	0.015	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/6/22	10/13/22 22:49	ATP
Barium	0.055	0.050	0.0056	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Calcium	55	0.50	0.11	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Iron	0.59	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Manganese	2.6	0.010	0.0017	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:31	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Potassium	4.6	2.0	0.30	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Sodium	36	2.0	0.53	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Vanadium	0.0099	0.010	0.0031	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 16:59	MJH
Zinc	0.0045	0.010	0.0042	mg/L	1	B, J	SW-846 6010D	10/6/22	10/6/22 16:59	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21S-09232022 | Sampled: 9/23/2022 11:20

Sample ID: 22I1637-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0081	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.2	50	2.0	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,3-Dichlorobenzene	0.16	1.0	0.12	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
cis-1,2-Dichloroethylene	9.1	1.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
trans-1,2-Dichloroethylene	1.0	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Tetrachloroethylene	1.8	1.0	0.19	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Toluene	0.29	1.0	0.22	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Trichloroethylene	0.67	1.0	0.19	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,2,4-Trimethylbenzene	0.24	1.0	0.20	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
Vinyl Chloride	1.5	2.0	0.21	µg/L	1	J	SW-846 8260D	9/28/22	9/30/22 14:55	EEH
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	9/28/22	9/30/22 14:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		9/30/22 14:55
Toluene-d8	99.3	70-130		9/30/22 14:55
4-Bromofluorobenzene	99.6	70-130		9/30/22 14:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1	L-04	SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1	R-05	SW-846 8270E	9/30/22	10/8/22 21:56	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/30/22	10/8/22 21:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.5	15-110		10/8/22 21:56
Phenol-d6	26.7	15-110		10/8/22 21:56
Nitrobenzene-d5	50.8	30-130		10/8/22 21:56
2-Fluorobiphenyl	66.3	30-130		10/8/22 21:56
2,4,6-Tribromophenol	86.8	15-110		10/8/22 21:56
p-Terphenyl-d14	80.0	30-130		10/8/22 21:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1.0	0.050	0.015	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/6/22	10/13/22 22:55	ATP
Barium	0.15	0.050	0.0056	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Cadmium	0.00094	0.0040	0.00080	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Calcium	57	0.50	0.11	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Chromium	0.0071	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Cobalt	0.0023	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Copper	0.010	0.010	0.0036	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Iron	6.9	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Magnesium	11	0.050	0.0095	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Manganese	15	0.010	0.0017	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:33	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Potassium	4.7	2.0	0.30	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Sodium	75	2.0	0.53	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Vanadium	0.018	0.010	0.0031	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:05	MJH
Zinc	0.11	0.010	0.0042	mg/L	1	B-07	SW-846 6010D	10/6/22	10/6/22 17:05	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-21D-09232022 | Sampled: 9/23/2022 12:05

Sample ID: 22I1637-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.0087	0.010	0.0035	mg/L	1	J	SM21-23 4500 CN E	10/4/22	10/5/22 10:29	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Chloromethane	ND	20	5.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
cis-1,2-Dichloroethylene	800	10	1.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
trans-1,2-Dichloroethylene	15	10	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Naphthalene	ND	20	2.4	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
Vinyl Chloride	400	20	2.1	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	9/28/22	9/30/22 17:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		9/30/22 17:31
Toluene-d8	100	70-130		9/30/22 17:31
4-Bromofluorobenzene	97.4	70-130		9/30/22 17:31

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Acetophenone	ND	10	0.53	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzidine	ND	20	10	µg/L	1	R-05, V-05, V-35	SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzo(a)pyrene	ND	5.0	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzo(k)fluoranthene	ND	5.0	0.49	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Benzoic Acid	ND	10	8.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Bis(2-chloroethoxy)methane	ND	10	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Bis(2-chloroethyl)ether	ND	10	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Carbazole	ND	10	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Chloroaniline	ND	10	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Chloro-3-methylphenol	ND	10	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Dibenz(a,h)anthracene	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Dibenzofuran	ND	5.0	0.49	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
3,3-Dichlorobenzidine	ND	10	0.71	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4-Dimethylphenol	ND	10	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Dimethylphthalate	ND	10	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.0	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4-Dinitrophenol	ND	10	8.0	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4-Dinitrotoluene	ND	10	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Di-n-octylphthalate	ND	10	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Fluorene	ND	5.0	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	10	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Hexachlorobutadiene	ND	10	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1	L-04	SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Hexachloroethane	ND	10	0.74	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.74	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Methylnaphthalene	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
3-Nitroaniline	ND	10	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Nitrobenzene	ND	10	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2-Nitrophenol	ND	10	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
N-Nitrosodimethylamine	ND	10	0.78	µg/L	1	R-05	SW-846 8270E	9/30/22	10/8/22 22:21	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.38	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
N-Nitrosodi-n-propylamine	ND	10	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Pentachloronitrobenzene	ND	10	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Phenanthrene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Phenol	ND	10	0.23	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
Pyridine	ND	5.0	2.5	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
1,2,4-Trichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4,5-Trichlorophenol	ND	10	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 22:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.5	15-110		10/8/22 22:21
Phenol-d6	23.9	15-110		10/8/22 22:21
Nitrobenzene-d5	43.4	30-130		10/8/22 22:21
2-Fluorobiphenyl	57.2	30-130		10/8/22 22:21
2,4,6-Tribromophenol	78.8	15-110		10/8/22 22:21
p-Terphenyl-d14	72.0	30-130		10/8/22 22:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.53	0.050	0.015	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/6/22	10/13/22 23:02	ATP
Barium	0.11	0.050	0.0056	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Calcium	30	0.50	0.11	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Chromium	0.0029	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Cobalt	0.0015	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Copper	0.0054	0.010	0.0036	mg/L	1	J	SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Iron	11	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Magnesium	8.0	0.050	0.0095	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Manganese	2.1	0.010	0.0017	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	9/28/22	10/11/22 13:35	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Potassium	3.6	2.0	0.30	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Sodium	120	2.0	0.53	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Vanadium	0.020	0.010	0.0031	mg/L	1		SW-846 6010D	10/6/22	10/6/22 17:13	MJH
Zinc	0.033	0.010	0.0042	mg/L	1	B	SW-846 6010D	10/6/22	10/6/22 17:13	MJH

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1637

Date Received: 9/27/2022

Field Sample #: MW-22RS-09232022 | Sampled: 9/23/2022 13:20

Sample ID: 22I1637-05

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.015	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Sample Extraction Data

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1637-01 [MW-25RS-09232022]	B318742	50.0	50.0	10/04/22
22I1637-02 [MW-25RD-09232022]	B318742	50.0	50.0	10/04/22
22I1637-03 [MW-21S-09232022]	B318742	50.0	50.0	10/04/22
22I1637-04 [MW-21D-09232022]	B318742	50.0	50.0	10/04/22
22I1637-05 [MW-22RS-09232022]	B318742	50.0	50.0	10/04/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1637-01 [MW-25RS-09232022]	B319003	50.0	50.0	10/06/22
22I1637-02 [MW-25RD-09232022]	B319003	50.0	50.0	10/06/22
22I1637-03 [MW-21S-09232022]	B319003	50.0	50.0	10/06/22
22I1637-04 [MW-21D-09232022]	B319003	50.0	50.0	10/06/22
22I1637-05 [MW-22RS-09232022]	B319003	50.0	50.0	10/06/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1637-01 [MW-25RS-09232022]	B318269	10.0	10.0	09/28/22
22I1637-02 [MW-25RD-09232022]	B318269	10.0	10.0	09/28/22
22I1637-03 [MW-21S-09232022]	B318269	10.0	10.0	09/28/22
22I1637-04 [MW-21D-09232022]	B318269	10.0	10.0	09/28/22
22I1637-05 [MW-22RS-09232022]	B318269	10.0	10.0	09/28/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1637-01 [MW-25RS-09232022]	B318244	5	5.00	09/28/22
22I1637-02 [MW-25RD-09232022]	B318244	1	5.00	09/28/22
22I1637-03 [MW-21S-09232022]	B318244	5	5.00	09/28/22
22I1637-04 [MW-21D-09232022]	B318244	5	5.00	09/28/22
22I1637-05 [MW-22RS-09232022]	B318244	0.5	5.00	09/28/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1637-01 [MW-25RS-09232022]	B318494	1020	1.00	09/30/22
22I1637-02 [MW-25RD-09232022]	B318494	1010	1.00	09/30/22
22I1637-03 [MW-21S-09232022]	B318494	1020	1.00	09/30/22
22I1637-04 [MW-21D-09232022]	B318494	1020	1.00	09/30/22
22I1637-05 [MW-22RS-09232022]	B318494	1000	1.00	09/30/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Blank (B318244-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Difluorochloromethane (Freon 22)	ND	1.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
Blank (B318244-BLK1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.4	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0	70-130			
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	100	50	µg/L	100		100	70-160			†
Acrylonitrile	9.50	5.0	µg/L	10.0		95.0	70-130			
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130			
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130			
Bromoform	9.66	1.0	µg/L	10.0		96.6	70-130			
Bromomethane	9.49	2.0	µg/L	10.0		94.9	40-160			†
2-Butanone (MEK)	99.6	20	µg/L	100		99.6	40-160			†
tert-Butyl Alcohol (TBA)	98.1	20	µg/L	100		98.1	40-160			†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.97	0.50	µg/L	10.0		99.7	70-130			
Carbon Disulfide	115	5.0	µg/L	100		115	70-130			
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130			
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	9.18	2.0	µg/L	10.0		91.8	40-160			†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.27	5.0	µg/L	10.0		92.7	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130			
Dibromomethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,4-Dichloro-2-butene	8.39	2.0	µg/L	10.0		83.9	70-130			
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160			†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dichloroethane	9.71	1.0	µg/L	10.0		97.1	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichloropropane	10.8	0.50	µg/L	10.0		108	70-130			
2,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	40-130			†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130			
Diethyl Ether	10.3	2.0	µg/L	10.0		103	70-130			
Difluorochloromethane (Freon 22)	10.4	1.0	µg/L	10.0		104	70-130			
Diisopropyl Ether (DIPE)	9.78	0.50	µg/L	10.0		97.8	70-130			
1,4-Dioxane	88.4	50	µg/L	100		88.4	40-130			†
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Hexachlorobutadiene	9.42	0.60	µg/L	10.0		94.2	70-130			
2-Hexanone (MBK)	96.7	10	µg/L	100		96.7	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	9.38	1.0	µg/L	10.0		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	97.3	10	µg/L	100		97.3	70-160			†
Naphthalene	9.88	2.0	µg/L	10.0		98.8	40-130			†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
Tetrahydrofuran	9.35	10	µg/L	10.0		93.5	70-130			J
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	9.97	5.0	µg/L	10.0		99.7	70-130			
1,2,4-Trichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130			
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318244 - SW-846 5030B										
LCS (B318244-BS1)				Prepared: 09/28/22 Analyzed: 09/30/22						
1,2,3-Trichloropropane	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.0		116	70-130			
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160			†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.4	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.5	70-130			
LCS Dup (B318244-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22						
Acetone	104	50	µg/L	100		104	70-160	3.68	25	†
Acrylonitrile	9.53	5.0	µg/L	10.0		95.3	70-130	0.315	25	
tert-Amyl Methyl Ether (TAME)	10.3	0.50	µg/L	10.0		103	70-130	0.680	25	
Benzene	10.6	1.0	µg/L	10.0		106	70-130	1.34	25	
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.08	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	2.27	25	
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	0.689	25	
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	4.06	25	
Bromomethane	10.2	2.0	µg/L	10.0		102	40-160	6.72	25	†
2-Butanone (MEK)	102	20	µg/L	100		102	40-160	1.90	25	†
tert-Butyl Alcohol (TBA)	98.3	20	µg/L	100		98.3	40-160	0.255	25	†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.37	25	
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.394	25	
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.87	25	
tert-Butyl Ethyl Ether (TBEE)	10.3	0.50	µg/L	10.0		103	70-130	3.06	25	
Carbon Disulfide	113	5.0	µg/L	100		113	70-130	2.20	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	1.47	25	
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.378	25	
Chlorodibromomethane	9.86	0.50	µg/L	10.0		98.6	70-130	1.41	25	
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130	2.19	25	
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.0988	25	
Chloromethane	9.11	2.0	µg/L	10.0		91.1	40-160	0.765	25	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	2.24	25	
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	0.860	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.44	5.0	µg/L	10.0		94.4	70-130	1.82	25	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105	70-130	0.862	25	
Dibromomethane	10.9	1.0	µg/L	10.0		109	70-130	1.57	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.786	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	1.18	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.65	25	
trans-1,4-Dichloro-2-butene	8.44	2.0	µg/L	10.0		84.4	70-130	0.594	25	
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	5.23	25	†
1,1-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.280	25	
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130	1.53	25	
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.70	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.41	25	
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.22	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	1.04	25	
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	0.839	25	
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130	1.45	25	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318244 - SW-846 5030B											
LCS Dup (B318244-BSD1)				Prepared: 09/28/22 Analyzed: 09/30/22							
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	1.40	25		
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	1.45	25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.00	25		
Diethyl Ether	10.5	2.0	µg/L	10.0		105	70-130	2.11	25		
Difluorochloromethane (Freon 22)	10.3	1.0	µg/L	10.0		103	70-130	0.675	25		
Diisopropyl Ether (DIPE)	9.89	0.50	µg/L	10.0		98.9	70-130	1.12	25		
1,4-Dioxane	92.0	50	µg/L	100		92.0	40-130	3.94	50		† ‡
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.03	25		
Hexachlorobutadiene	9.80	0.60	µg/L	10.0		98.0	70-130	3.95	25		
2-Hexanone (MBK)	97.7	10	µg/L	100		97.7	70-160	1.05	25		†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	2.12	25		
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130	1.78	25		
Methyl Acetate	10.0	1.0	µg/L	10.0		100	70-130	6.70	25		
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	3.09	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	3.38	25		
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130	0.00	25		
4-Methyl-2-pentanone (MIBK)	98.0	10	µg/L	100		98.0	70-160	0.768	25		†
Naphthalene	9.83	2.0	µg/L	10.0		98.3	40-130	0.507	25		†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.40	25		
Styrene	10.5	1.0	µg/L	10.0		105	70-130	1.89	25		
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130	1.46	25		
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	1.57	25		
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130	3.04	25		
Tetrahydrofuran	9.12	10	µg/L	10.0		91.2	70-130	2.49	25	J	
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.78	25		
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	2.77	25		
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.19	25		
1,3,5-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	2.66	25		
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130	0.480	25		
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	1.16	25		
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	5.13	25		
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	2.29	25		
1,2,3-Trichloropropane	10.3	2.0	µg/L	10.0		103	70-130	2.55	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0		114	70-130	1.13	25		
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25		
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.30	25		
Vinyl Chloride	10.8	2.0	µg/L	10.0		108	40-160	2.28	25		†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	0.854	25		
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	1.56	25		
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/L	25.0		95.0	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.0	70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318494 - SW-846 3510C										
Blank (B318494-BLK1)				Prepared: 09/30/22 Analyzed: 10/05/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							R-05, V-04, V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-04, V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							L-04, V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318494 - SW-846 3510C										
Blank (B318494-BLK1)				Prepared: 09/30/22 Analyzed: 10/05/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							R-05
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							V-05
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*71.0*		µg/L	200		35.5	15-110			
Surrogate: Phenol-d6	*52.3*		µg/L	200		26.2	15-110			
Surrogate: Nitrobenzene-d5	*84.1*		µg/L	100		84.1	30-130			
Surrogate: 2-Fluorobiphenyl	*59.3*		µg/L	100		59.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*138*		µg/L	200		68.9	15-110			
Surrogate: p-Terphenyl-d14	*69.2*		µg/L	100		69.2	30-130			
LCS (B318494-BS1)				Prepared: 09/30/22 Analyzed: 10/05/22						
Acenaphthene	34.0	5.0	µg/L	50.0		67.9	40-140			
Acenaphthylene	37.2	5.0	µg/L	50.0		74.3	40-140			
Acetophenone	35.7	10	µg/L	50.0		71.3	40-140			
Aniline	41.3	5.0	µg/L	50.0		82.6	40-140			
Anthracene	38.6	5.0	µg/L	50.0		77.1	40-140			
Benzidine	66.5	20	µg/L	50.0		133	40-140			R-05, V-04, V-05, V-35
Benzo(a)anthracene	36.6	5.0	µg/L	50.0		73.2	40-140			
Benzo(a)pyrene	35.6	5.0	µg/L	50.0		71.3	40-140			
Benzo(b)fluoranthene	32.3	5.0	µg/L	50.0		64.5	40-140			
Benzo(g,h,i)perylene	33.3	5.0	µg/L	50.0		66.5	40-140			
Benzo(k)fluoranthene	38.9	5.0	µg/L	50.0		77.8	40-140			
Benzoic Acid	11.6	10	µg/L	50.0		23.1	10-130			†
Bis(2-chloroethoxy)methane	37.8	10	µg/L	50.0		75.6	40-140			
Bis(2-chloroethyl)ether	38.4	10	µg/L	50.0		76.8	40-140			
Bis(2-chloroisopropyl)ether	47.2	10	µg/L	50.0		94.3	40-140			
Bis(2-Ethylhexyl)phthalate	36.9	10	µg/L	50.0		73.7	40-140			
4-Bromophenylphenylether	34.6	10	µg/L	50.0		69.1	40-140			
Butylbenzylphthalate	36.5	10	µg/L	50.0		73.0	40-140			
Carbazole	40.8	10	µg/L	50.0		81.5	40-140			
4-Chloroaniline	39.9	10	µg/L	50.0		79.8	40-140			
4-Chloro-3-methylphenol	43.0	10	µg/L	50.0		86.1	30-130			
2-Chloronaphthalene	33.0	10	µg/L	50.0		66.0	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318494 - SW-846 3510C												
LCS (B318494-BS1)				Prepared: 09/30/22 Analyzed: 10/05/22								
2-Chlorophenol	34.0	10	µg/L	50.0		68.0		30-130				
4-Chlorophenylphenylether	37.6	10	µg/L	50.0		75.2		40-140				
Chrysene	36.9	5.0	µg/L	50.0		73.8		40-140				
Dibenz(a,h)anthracene	34.2	5.0	µg/L	50.0		68.4		40-140				
Dibenzofuran	38.8	5.0	µg/L	50.0		77.5		40-140				
Di-n-butylphthalate	39.9	10	µg/L	50.0		79.9		40-140				
1,2-Dichlorobenzene	28.7	5.0	µg/L	50.0		57.3		40-140				
1,3-Dichlorobenzene	27.2	5.0	µg/L	50.0		54.5		40-140				
1,4-Dichlorobenzene	27.7	5.0	µg/L	50.0		55.4		40-140				
3,3-Dichlorobenzidine	40.0	10	µg/L	50.0		79.9		40-140				
2,4-Dichlorophenol	37.5	10	µg/L	50.0		75.1		30-130				
Diethylphthalate	39.8	10	µg/L	50.0		79.6		40-140				
2,4-Dimethylphenol	41.1	10	µg/L	50.0		82.2		30-130				
Dimethylphthalate	40.6	10	µg/L	50.0		81.3		40-140				
4,6-Dinitro-2-methylphenol	36.9	10	µg/L	50.0		73.8		30-130				
2,4-Dinitrophenol	24.6	10	µg/L	50.0		49.2		30-130			V-04, V-05	
2,4-Dinitrotoluene	41.2	10	µg/L	50.0		82.5		40-140				
2,6-Dinitrotoluene	40.7	10	µg/L	50.0		81.4		40-140				
Di-n-octylphthalate	33.6	10	µg/L	50.0		67.1		40-140				
1,2-Diphenylhydrazine/Azobenzene	35.2	10	µg/L	50.0		70.5		40-140				
Fluoranthene	42.8	5.0	µg/L	50.0		85.7		40-140				
Fluorene	39.4	5.0	µg/L	50.0		78.9		40-140				
Hexachlorobenzene	35.1	10	µg/L	50.0		70.1		40-140				
Hexachlorobutadiene	28.7	10	µg/L	50.0		57.4		40-140				
Hexachlorocyclopentadiene	7.42	10	µg/L	50.0		**14.8**	*	30-140			L-04, V-05, J	†
Hexachloroethane	25.7	10	µg/L	50.0		51.3		40-140				
Indeno(1,2,3-cd)pyrene	30.9	5.0	µg/L	50.0		61.9		40-140				
Isophorone	42.6	10	µg/L	50.0		85.3		40-140				
1-Methylnaphthalene	31.8	5.0	µg/L	50.0		63.6		40-140				
2-Methylnaphthalene	36.7	5.0	µg/L	50.0		73.4		40-140				
2-Methylphenol	34.1	10	µg/L	50.0		68.1		30-130				
3/4-Methylphenol	33.4	10	µg/L	50.0		66.9		30-130				
Naphthalene	34.7	5.0	µg/L	50.0		69.5		40-140				
2-Nitroaniline	41.4	10	µg/L	50.0		82.8		40-140				
3-Nitroaniline	43.3	10	µg/L	50.0		86.6		40-140				
4-Nitroaniline	43.7	10	µg/L	50.0		87.4		40-140				
Nitrobenzene	37.3	10	µg/L	50.0		74.6		40-140				
2-Nitrophenol	38.8	10	µg/L	50.0		77.6		30-130				
4-Nitrophenol	24.3	10	µg/L	50.0		48.6		10-130				†
N-Nitrosodimethylamine	31.9	10	µg/L	50.0		63.9		40-140			R-05	
N-Nitrosodiphenylamine/Diphenylamine	37.9	10	µg/L	50.0		75.7		40-140				
N-Nitrosodi-n-propylamine	42.3	10	µg/L	50.0		84.7		40-140				
Pentachloronitrobenzene	39.8	10	µg/L	50.0		79.5		40-140				
Pentachlorophenol	25.3	10	µg/L	50.0		50.5		30-130			V-05	
Phenanthrene	38.4	5.0	µg/L	50.0		76.7		40-140				
Phenol	17.9	10	µg/L	50.0		35.7		20-130				†
Pyrene	35.8	5.0	µg/L	50.0		71.7		40-140				
Pyridine	21.9	5.0	µg/L	50.0		43.8		10-140				†
1,2,4,5-Tetrachlorobenzene	33.2	10	µg/L	50.0		66.4		40-140				
1,2,4-Trichlorobenzene	30.2	5.0	µg/L	50.0		60.4		40-140				
2,4,5-Trichlorophenol	37.3	10	µg/L	50.0		74.7		30-130				
2,4,6-Trichlorophenol	36.6	10	µg/L	50.0		73.3		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B318494 - SW-846 3510C													
LCS (B318494-BS1)				Prepared: 09/30/22 Analyzed: 10/05/22									
Surrogate: 2-Fluorophenol	*99.9*		µg/L	200		50.0		15-110					
Surrogate: Phenol-d6	*75.2*		µg/L	200		37.6		15-110					
Surrogate: Nitrobenzene-d5	*112*		µg/L	100		112		30-130					
Surrogate: 2-Fluorobiphenyl	*82.6*		µg/L	100		82.6		30-130					
Surrogate: 2,4,6-Tribromophenol	*167*		µg/L	200		83.7		15-110					
Surrogate: p-Terphenyl-d14	*81.3*		µg/L	100		81.3		30-130					
LCS Dup (B318494-BSD1)				Prepared: 09/30/22 Analyzed: 10/05/22									
Acenaphthene	34.4	5.0	µg/L	50.0		68.9		40-140	1.43		20		
Acenaphthylene	38.2	5.0	µg/L	50.0		76.3		40-140	2.63		20		
Acetophenone	33.0	10	µg/L	50.0		66.0		40-140	7.75		20		
Aniline	36.5	5.0	µg/L	50.0		73.0		40-140	12.3		50		‡
Anthracene	41.0	5.0	µg/L	50.0		82.1		40-140	6.28		20		
Benzidine	87.5	20	µg/L	50.0		**175**	*	40-140	**27.3**	*	20	L-07A, V-04, V-05, V-35	
Benzo(a)anthracene	40.0	5.0	µg/L	50.0		79.9		40-140	8.75		20		
Benzo(a)pyrene	38.4	5.0	µg/L	50.0		76.9		40-140	7.59		20		
Benzo(b)fluoranthene	34.8	5.0	µg/L	50.0		69.6		40-140	7.57		20		
Benzo(g,h,i)perylene	35.5	5.0	µg/L	50.0		70.9		40-140	6.37		20		
Benzo(k)fluoranthene	41.8	5.0	µg/L	50.0		83.6		40-140	7.11		20		
Benzoic Acid	11.1	10	µg/L	50.0		22.3		10-130	3.79		50		† ‡
Bis(2-chloroethoxy)methane	36.0	10	µg/L	50.0		72.1		40-140	4.82		20		
Bis(2-chloroethyl)ether	33.5	10	µg/L	50.0		67.1		40-140	13.5		20		
Bis(2-chloroisopropyl)ether	40.8	10	µg/L	50.0		81.6		40-140	14.4		20		
Bis(2-Ethylhexyl)phthalate	39.3	10	µg/L	50.0		78.6		40-140	6.36		20		
4-Bromophenylphenylether	37.9	10	µg/L	50.0		75.8		40-140	9.22		20		
Butylbenzylphthalate	38.6	10	µg/L	50.0		77.2		40-140	5.70		20		
Carbazole	43.2	10	µg/L	50.0		86.5		40-140	5.88		20		
4-Chloroaniline	38.9	10	µg/L	50.0		77.8		40-140	2.46		20		
4-Chloro-3-methylphenol	42.7	10	µg/L	50.0		85.3		30-130	0.887		20		
2-Chloronaphthalene	32.5	10	µg/L	50.0		65.0		40-140	1.56		20		
2-Chlorophenol	30.8	10	µg/L	50.0		61.6		30-130	9.87		20		
4-Chlorophenylphenylether	39.5	10	µg/L	50.0		78.9		40-140	4.85		20		
Chrysene	39.7	5.0	µg/L	50.0		79.3		40-140	7.26		20		
Dibenz(a,h)anthracene	36.6	5.0	µg/L	50.0		73.3		40-140	6.92		20		
Dibenzofuran	40.2	5.0	µg/L	50.0		80.3		40-140	3.57		20		
Di-n-butylphthalate	42.8	10	µg/L	50.0		85.6		40-140	6.96		20		
1,2-Dichlorobenzene	26.2	5.0	µg/L	50.0		52.3		40-140	9.16		20		
1,3-Dichlorobenzene	24.1	5.0	µg/L	50.0		48.3		40-140	12.1		20		
1,4-Dichlorobenzene	25.0	5.0	µg/L	50.0		50.0		40-140	10.4		20		
3,3-Dichlorobenzidine	43.1	10	µg/L	50.0		86.1		40-140	7.47		20		
2,4-Dichlorophenol	37.7	10	µg/L	50.0		75.4		30-130	0.452		20		
Diethylphthalate	41.3	10	µg/L	50.0		82.5		40-140	3.60		20		
2,4-Dimethylphenol	39.1	10	µg/L	50.0		78.1		30-130	5.02		20		
Dimethylphthalate	42.2	10	µg/L	50.0		84.5		40-140	3.88		50		‡
4,6-Dinitro-2-methylphenol	38.8	10	µg/L	50.0		77.6		30-130	4.97		50		‡
2,4-Dinitrophenol	25.1	10	µg/L	50.0		50.1		30-130	1.81		50	V-04, V-05	‡
2,4-Dinitrotoluene	42.6	10	µg/L	50.0		85.1		40-140	3.13		20		
2,6-Dinitrotoluene	42.4	10	µg/L	50.0		84.9		40-140	4.21		20		
Di-n-octylphthalate	35.8	10	µg/L	50.0		71.5		40-140	6.38		20		
1,2-Diphenylhydrazine/Azobenzene	36.8	10	µg/L	50.0		73.6		40-140	4.30		20		
Fluoranthene	45.9	5.0	µg/L	50.0		91.9		40-140	7.01		20		
Fluorene	40.8	5.0	µg/L	50.0		81.6		40-140	3.34		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B318494 - SW-846 3510C													
LCS Dup (B318494-BSD1)				Prepared: 09/30/22 Analyzed: 10/05/22									
Hexachlorobenzene	39.1	10	µg/L	50.0		78.2		40-140	10.9		20		
Hexachlorobutadiene	27.3	10	µg/L	50.0		54.6		40-140	5.11		20		
Hexachlorocyclopentadiene	7.17	10	µg/L	50.0		**14.3**	*	30-140	3.43		50	L-04, V-05, J	† ‡
Hexachloroethane	22.7	10	µg/L	50.0		45.3		40-140	12.4		50		‡
Indeno(1,2,3-cd)pyrene	30.2	5.0	µg/L	50.0		60.3		40-140	2.59		50		‡
Isophorone	40.7	10	µg/L	50.0		81.3		40-140	4.71		20		
1-Methylnaphthalene	31.4	5.0	µg/L	50.0		62.9		40-140	1.20		20		
2-Methylnaphthalene	36.7	5.0	µg/L	50.0		73.3		40-140	0.109		20		
2-Methylphenol	32.2	10	µg/L	50.0		64.3		30-130	5.74		20		
3/4-Methylphenol	31.1	10	µg/L	50.0		62.2		30-130	7.22		20		
Naphthalene	33.6	5.0	µg/L	50.0		67.2		40-140	3.25		20		
2-Nitroaniline	41.3	10	µg/L	50.0		82.7		40-140	0.121		20		
3-Nitroaniline	44.5	10	µg/L	50.0		89.1		40-140	2.80		20		
4-Nitroaniline	45.0	10	µg/L	50.0		90.0		40-140	3.02		20		
Nitrobenzene	34.3	10	µg/L	50.0		68.7		40-140	8.24		20		
2-Nitrophenol	37.0	10	µg/L	50.0		73.9		30-130	4.81		20		
4-Nitrophenol	24.6	10	µg/L	50.0		49.2		10-130	1.27		50		† ‡
N-Nitrosodimethylamine	25.4	10	µg/L	50.0		50.8		40-140	**22.9**	*	20	R-05	
N-Nitrosodiphenylamine/Diphenylamine	39.9	10	µg/L	50.0		79.9		40-140	5.35		20		
N-Nitrosodi-n-propylamine	38.9	10	µg/L	50.0		77.7		40-140	8.55		20		
Pentachloronitrobenzene	43.2	10	µg/L	50.0		86.3		40-140	8.20		20		
Pentachlorophenol	27.6	10	µg/L	50.0		55.1		30-130	8.71		50	V-05	‡
Phenanthrene	41.1	5.0	µg/L	50.0		82.3		40-140	7.00		20		
Phenol	16.5	10	µg/L	50.0		33.0		20-130	7.86		20		†
Pyrene	38.8	5.0	µg/L	50.0		77.6		40-140	7.96		20		
Pyridine	19.0	5.0	µg/L	50.0		38.0		10-140	14.2		50		† ‡
1,2,4,5-Tetrachlorobenzene	33.0	10	µg/L	50.0		66.0		40-140	0.695		20		
1,2,4-Trichlorobenzene	29.1	5.0	µg/L	50.0		58.2		40-140	3.67		20		
2,4,5-Trichlorophenol	38.7	10	µg/L	50.0		77.3		30-130	3.50		20		
2,4,6-Trichlorophenol	37.6	10	µg/L	50.0		75.2		30-130	2.64		50		‡
Surrogate: 2-Fluorophenol	*86.4*		µg/L	200		43.2		15-110					
Surrogate: Phenol-d6	*67.0*		µg/L	200		33.5		15-110					
Surrogate: Nitrobenzene-d5	*100*		µg/L	100		100		30-130					
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/L	100		81.8		30-130					
Surrogate: 2,4,6-Tribromophenol	*172*		µg/L	200		86.0		15-110					
Surrogate: p-Terphenyl-d14	*86.3*		µg/L	100		86.3		30-130					

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318269 - SW-846 7470A Prep										
Blank (B318269-BLK1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B318269-BS1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00414	0.00010	mg/L	0.00402		103	80-120			
LCS Dup (B318269-BSD1)				Prepared: 09/28/22 Analyzed: 10/11/22						
Mercury	0.00421	0.00010	mg/L	0.00402		105	80-120	1.72	20	
Batch B319003 - SW-846 3005A										
Blank (B319003-BLK1)				Prepared & Analyzed: 10/06/22						
Aluminum	0.016	0.050	mg/L							J
Antimony	ND	0.050	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	0.0095	0.010	mg/L							J
LCS (B319003-BS1)				Prepared & Analyzed: 10/06/22						
Aluminum	0.469	0.050	mg/L	0.500		93.9	80-120			
Antimony	0.487	0.050	mg/L	0.500		97.3	80-120			
Barium	0.503	0.050	mg/L	0.500		101	80-120			
Beryllium	0.508	0.0040	mg/L	0.500		102	80-120			
Cadmium	0.499	0.0040	mg/L	0.500		99.8	80-120			
Calcium	3.98	0.50	mg/L	4.00		99.6	80-120			
Chromium	0.505	0.010	mg/L	0.500		101	80-120			
Cobalt	0.510	0.010	mg/L	0.500		102	80-120			
Copper	0.976	0.010	mg/L	1.00		97.6	80-120			
Iron	4.01	0.050	mg/L	4.00		100	80-120			
Lead	0.514	0.010	mg/L	0.500		103	80-120			
Magnesium	3.92	0.050	mg/L	4.00		98.0	80-120			
Manganese	0.506	0.010	mg/L	0.500		101	80-120			
Nickel	0.511	0.010	mg/L	0.500		102	80-120			
Potassium	3.95	2.0	mg/L	4.00		98.7	80-120			
Selenium	0.497	0.050	mg/L	0.500		99.3	80-120			
Silver	0.501	0.010	mg/L	0.500		100	80-120			
Sodium	3.92	2.0	mg/L	4.00		97.9	80-120			
Thallium	0.527	0.050	mg/L	0.500		105	80-120			
Vanadium	0.537	0.010	mg/L	0.500		107	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319003 - SW-846 3005A										
LCS (B319003-BS1)				Prepared & Analyzed: 10/06/22						
Zinc	1.04	0.010	mg/L	1.00		104	80-120			
LCS Dup (B319003-BSD1)				Prepared & Analyzed: 10/06/22						
Aluminum	0.460	0.050	mg/L	0.500		92.1	80-120	1.93	20	
Antimony	0.479	0.050	mg/L	0.500		95.9	80-120	1.49	20	
Barium	0.499	0.050	mg/L	0.500		99.7	80-120	0.953	20	
Beryllium	0.502	0.0040	mg/L	0.500		100	80-120	1.26	20	
Cadmium	0.497	0.0040	mg/L	0.500		99.4	80-120	0.427	20	
Calcium	3.93	0.50	mg/L	4.00		98.3	80-120	1.27	20	
Chromium	0.502	0.010	mg/L	0.500		100	80-120	0.562	20	
Cobalt	0.512	0.010	mg/L	0.500		102	80-120	0.371	20	
Copper	0.971	0.010	mg/L	1.00		97.1	80-120	0.467	20	
Iron	3.95	0.050	mg/L	4.00		98.8	80-120	1.45	20	
Lead	0.504	0.010	mg/L	0.500		101	80-120	1.95	20	
Magnesium	3.87	0.050	mg/L	4.00		96.8	80-120	1.32	20	
Manganese	0.502	0.010	mg/L	0.500		100	80-120	0.762	20	
Nickel	0.508	0.010	mg/L	0.500		102	80-120	0.560	30	
Potassium	3.89	2.0	mg/L	4.00		97.2	80-120	1.62	20	
Selenium	0.487	0.050	mg/L	0.500		97.4	80-120	1.92	20	
Silver	0.492	0.010	mg/L	0.500		98.5	80-120	1.68	20	
Sodium	3.86	2.0	mg/L	4.00		96.5	80-120	1.45	20	
Thallium	0.528	0.050	mg/L	0.500		106	80-120	0.230	20	
Vanadium	0.534	0.010	mg/L	0.500		107	80-120	0.436	20	
Zinc	1.03	0.010	mg/L	1.00		103	80-120	0.980	20	
Duplicate (B319003-DUP1)		**Source: 22I1637-01**		Prepared & Analyzed: 10/06/22						
Aluminum	0.0476	0.050	mg/L		0.0440			8.01	20	J
Antimony	ND	0.050	mg/L		ND			NC	20	
Barium	0.0406	0.050	mg/L		0.0404			0.435	20	J
Beryllium	ND	0.0040	mg/L		ND			NC	20	
Cadmium	ND	0.0040	mg/L		ND			NC	20	
Calcium	52.1	0.50	mg/L		50.6			2.92	20	
Chromium	0.00654	0.010	mg/L		0.00668			2.07	20	J
Cobalt	ND	0.010	mg/L		ND			NC	20	
Copper	ND	0.010	mg/L		ND			NC	20	
Iron	0.103	0.050	mg/L		0.101			1.60	20	
Lead	ND	0.010	mg/L		ND			NC	20	
Magnesium	10.3	0.050	mg/L		10.0			3.02	20	
Manganese	3.73	0.010	mg/L		3.62			2.77	20	
Nickel	ND	0.010	mg/L		ND			NC	20	
Potassium	4.49	2.0	mg/L		4.37			2.73	20	
Selenium	ND	0.050	mg/L		ND			NC	20	
Silver	ND	0.010	mg/L		ND			NC	20	
Sodium	37.8	2.0	mg/L		36.7			3.00	20	
Thallium	ND	0.050	mg/L		ND			NC	20	
Vanadium	0.00886	0.010	mg/L		0.00898			1.38	20	J
Zinc	ND	0.010	mg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319003 - SW-846 3005A										
Matrix Spike (B319003-MS1)		**Source: 22I1637-01**		Prepared & Analyzed: 10/06/22						
Aluminum	0.520	0.050	mg/L	0.500	0.0440	95.1	75-125			
Antimony	0.512	0.050	mg/L	0.500	ND	102	75-125			
Barium	0.547	0.050	mg/L	0.500	0.0404	101	75-125			
Beryllium	0.524	0.0040	mg/L	0.500	ND	105	75-125			
Cadmium	0.505	0.0040	mg/L	0.500	ND	101	75-125			
Calcium	55.5	0.50	mg/L	4.00	50.6	122	75-125			
Chromium	0.519	0.010	mg/L	0.500	0.00668	102	75-125			
Cobalt	0.511	0.010	mg/L	0.500	ND	102	75-125			
Copper	0.981	0.010	mg/L	1.00	ND	98.1	75-125			
Iron	4.19	0.050	mg/L	4.00	0.101	102	75-125			
Lead	0.509	0.010	mg/L	0.500	ND	102	75-125			
Magnesium	14.0	0.050	mg/L	4.00	10.0	99.4	75-125			
Manganese	4.18	0.010	mg/L	0.500	3.62	110	75-125			
Nickel	0.511	0.010	mg/L	0.500	ND	102	75-125			
Potassium	8.37	2.0	mg/L	4.00	4.37	99.9	75-125			
Selenium	0.510	0.050	mg/L	0.500	ND	102	75-125			
Silver	0.497	0.010	mg/L	0.500	ND	99.4	75-125			
Sodium	41.1	2.0	mg/L	4.00	36.7	111	75-125			
Thallium	0.550	0.050	mg/L	0.500	ND	110	75-125			
Vanadium	0.564	0.010	mg/L	0.500	0.00898	111	75-125			
Zinc	1.04	0.010	mg/L	1.00	ND	104	75-125			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B318742 - SM21-23 4500 CN E											
Blank (B318742-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.0055	0.010	mg/L								J
LCS (B318742-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.61	0.010	mg/L	0.772		79.4	75.5-121				
LCS Dup (B318742-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.69	0.010	mg/L	0.772		89.8	75.5-121	**12.3**	*	10.2	R-05
Reference (B318742-SRM1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.350	0.010	mg/L	0.386		90.6	0-200				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
B-05	Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

22I1637

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC

Address: 325 Atlantic Ave

Phone: 1031-447-6400 x155

Project Name: Crown Lyman

Project Location: Glen Cove, NY

Project Number: NYSDEC Spill # 1300154

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@envirobasmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs Soil/SOC	SVOCs soil/TCL	TAL Metals Soil	Cyanide	Dissolved TAL Metals	# of Containers	[2] Preservation Code	[3] Container Code
								2	2	1	1	1			
								H	H	N	X	N			
								V	A	P	P	P			
1	MW-25RS-09232022	9/23	9:49		X	GW	U	X	X	X	X	-			
2	MW-25RD-09232022		10:40									-			
3	MW-21S-09232022		11:20									-			
4	MW-21D-09232022		12:05									-			
5	MW-22RS-09232022	↓	13:20		↓	↓	↓	↓	↓	↓	↓	-			

ANALYSIS REQUESTED

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Saloio (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Relinquished by: (signature)	Date/Time:
1	Matt A. Cotter	9/23/22 15:00
2	Received by: (signature) ERIC FREDGE	9/23/22 15:00
3	Relinquished by: (signature) William A. Vigliotta (EAR Group)	9/26/22 11:15
4	Received by: (signature)	9/26/22 11:15
5	Relinquished by: (signature)	9/26/22 1800
6	Received by: (signature) 2.0/2.2	6/27 947

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

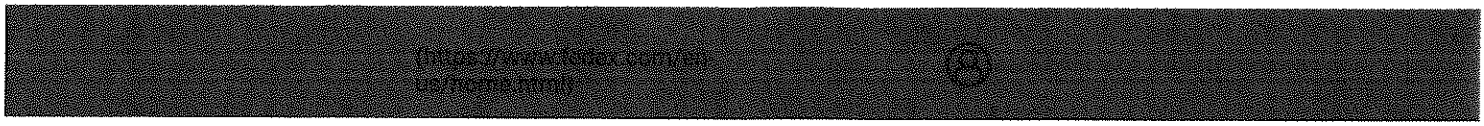
Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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FedEx® Tracking

DELIVERED

Tuesday

9/27/2022 at 9:42 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Shipment is 1 of 1 pieces

Get Status Updates

TRACKING ID

608945212680

FROM
MELVILLE, NY US

Label Created
9/26/2022 2:02 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
9/26/2022 6:37 PM

IN TRANSIT
WINDSOR LOCKS, CT
9/27/2022 7:01 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
9/27/2022 7:09 AM

DELIVERED
EAST LONGMEADOW, MA US

DELIVERED
9/27/2022 at 9:42 AM

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Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EAR

Received By LR Date 9/27 Time 942

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct From Sample _____ Ambient _____ Melted Ice _____

Were samples within Tempurature? Within 2-6°C T By Gun # 3 Actual Temp - 20, 2.2 By Blank # _____ Actual Temp - _____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? F Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T splitting samples require(F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-	10	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	10	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 20, 2022

Trisha Vicale
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Glen Cove, NY
Client Job Number:
Project Number: 130054
Laboratory Work Order Number: 22I1737

Enclosed are results of analyses for samples as received by the laboratory on September 28, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Trisha Vicale

REPORT DATE: 10/20/2022

PURCHASE ORDER NUMBER: 144435

PROJECT NUMBER: 130054

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22I1737

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Glen Cove, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-22RD-09262022	22I1737-01	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1DD-09262022	22I1737-02	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-1-09262022	22I1737-03	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
MW-Y-09262022	22I1737-04	Ground Water		SM21-23 4500 CN E	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SM21-23 4500 CN E

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Cyanide

B318742-BSD1

SW-846 6010D

Qualifications:

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

22I1737-03[MW-1-09262022], 22I1737-04[MW-Y-09262022]

SW-846 7470A

Qualifications:

B-05

Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Mercury

22I1737-01[MW-22RD-09262022], 22I1737-02[MW-1DD-09262022], 22I1737-03[MW-1-09262022], 22I1737-04[MW-Y-09262022]

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I1737-01[MW-22RD-09262022], 22I1737-04[MW-Y-09262022]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B318642-BS1, B318642-BSD1, S077381-CCV1

SW-846 8270E

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzidine

B318587-BS1, B318587-BSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine

B318587-BLK1, B318587-BS1, B318587-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B318587-BLK1, B318587-BS1, B318587-BSD1

Benzidine
22I1737-01[MW-22RD-09262022], 22I1737-02[MW-1DD-09262022], 22I1737-03[MW-1-09262022], 22I1737-04[MW-Y-09262022], S077704-CCV1

Hexachlorocyclopentadiene
B318587-BLK1, B318587-BS1, B318587-BSD1

Pentachlorophenol
B318587-BLK1, B318587-BS1, B318587-BSD1

V-35

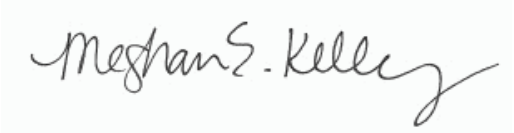
Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4,6-Dinitro-2-methylphenol
22I1737-01[MW-22RD-09262022], 22I1737-02[MW-1DD-09262022], 22I1737-03[MW-1-09262022], 22I1737-04[MW-Y-09262022], S077704-CCV1

Benzidine
22I1737-01[MW-22RD-09262022], 22I1737-02[MW-1DD-09262022], 22I1737-03[MW-1-09262022], 22I1737-04[MW-Y-09262022], B318587-BLK1, B318587-BS1, B318587-BSD1, S074943-ICV1, S075436-ICV1, S077704-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Chloromethane	ND	20	5.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1-Dichloroethylene	1.8	10	1.4	µg/L	10	J	SW-846 8260D	10/3/22	10/3/22 13:28	MFF
cis-1,2-Dichloroethylene	1200	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
trans-1,2-Dichloroethylene	9.7	10	1.7	µg/L	10	J	SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Naphthalene	ND	20	2.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
Vinyl Chloride	210	20	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		10/3/22 13:28
Toluene-d8	103	70-130		10/3/22 13:28
4-Bromofluorobenzene	97.5	70-130		10/3/22 13:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzidine	ND	20	10	µg/L	1	V-05, V-35	SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 18:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.0	15-110		10/8/22 18:50
Phenol-d6	27.4	15-110		10/8/22 18:50
Nitrobenzene-d5	56.5	30-130		10/8/22 18:50
2-Fluorobiphenyl	68.5	30-130		10/8/22 18:50
2,4,6-Tribromophenol	81.6	15-110		10/8/22 18:50
p-Terphenyl-d14	72.5	30-130		10/8/22 18:50

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.12	0.050	0.015	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Barium	0.18	0.050	0.0056	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Calcium	42	0.50	0.11	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Chromium	0.0026	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Cobalt	0.0021	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Iron	30	0.050	0.019	mg/L	1		SW-846 6010D	10/18/22	10/19/22 2:57	ATP
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/7/22	10/14/22 13:42	ATP
Magnesium	16	0.050	0.0095	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Manganese	1.9	0.010	0.0017	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Mercury	ND	0.00010	0.000040	mg/L	1	B-05	SW-846 7470A	10/6/22	10/6/22 17:20	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Potassium	3.0	2.0	0.30	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Sodium	84	2.0	0.53	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Vanadium	0.014	0.010	0.0031	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW
Zinc	0.018	0.010	0.0042	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:17	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-22RD-09262022 | Sampled: 9/26/2022 09:25

Sample ID: 22I1737-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.011	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.3	50	2.0	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Benzene	0.30	1.0	0.20	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,3-Dichlorobenzene	0.20	1.0	0.12	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
cis-1,2-Dichloroethylene	24	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
trans-1,2-Dichloroethylene	0.37	1.0	0.17	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Ethylbenzene	0.26	1.0	0.21	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Tetrachloroethylene	10	1.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Toluene	1.6	1.0	0.22	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Trichloroethylene	6.3	1.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,2,4-Trimethylbenzene	0.25	1.0	0.20	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
1,3,5-Trimethylbenzene	0.22	1.0	0.11	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
Vinyl Chloride	0.33	2.0	0.21	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
m+p Xylene	0.87	2.0	0.46	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF
o-Xylene	0.47	1.0	0.23	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 13:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		10/3/22 13:02
Toluene-d8	101	70-130		10/3/22 13:02
4-Bromofluorobenzene	96.0	70-130		10/3/22 13:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzidine	ND	20	10	µg/L	1	V-05, V-35	SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.7	15-110		10/8/22 19:16
Phenol-d6	25.9	15-110		10/8/22 19:16
Nitrobenzene-d5	52.2	30-130		10/8/22 19:16
2-Fluorobiphenyl	70.8	30-130		10/8/22 19:16
2,4,6-Tribromophenol	85.4	15-110		10/8/22 19:16
p-Terphenyl-d14	78.2	30-130		10/8/22 19:16

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.050	0.050	0.015	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Barium	0.081	0.050	0.0056	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Calcium	47	0.50	0.11	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Chromium	0.0028	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Cobalt	0.0040	0.010	0.0014	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Iron	2.1	0.050	0.019	mg/L	1		SW-846 6010D	10/18/22	10/19/22 3:03	ATP
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/7/22	10/14/22 13:47	ATP
Magnesium	10	0.050	0.0095	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Manganese	6.8	0.010	0.0017	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Mercury	ND	0.00010	0.000040	mg/L	1	B-05	SW-846 7470A	10/6/22	10/6/22 17:22	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Potassium	8.4	2.0	0.30	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Sodium	32	2.0	0.53	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Vanadium	0.011	0.010	0.0031	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW
Zinc	0.43	0.010	0.0042	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:24	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1DD-09262022 | Sampled: 9/26/2022 11:44

Sample ID: 22I1737-02

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.011	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	33	50	2.0	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Benzene	0.28	1.0	0.20	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,3-Dichlorobenzene	0.28	1.0	0.12	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
cis-1,2-Dichloroethylene	43	1.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Ethylbenzene	0.46	1.0	0.21	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Tetrachloroethylene	6.0	1.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Toluene	2.7	1.0	0.22	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Trichloroethylene	5.7	1.0	0.19	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,2,4-Trimethylbenzene	0.49	1.0	0.20	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/3/22	10/3/22 11:18	MFF
Vinyl Chloride	0.89	2.0	0.21	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
m+p Xylene	1.5	2.0	0.46	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF
o-Xylene	0.83	1.0	0.23	µg/L	1	J	SW-846 8260D	10/3/22	10/3/22 11:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		10/3/22 11:18
Toluene-d8	101	70-130		10/3/22 11:18
4-Bromofluorobenzene	97.2	70-130		10/3/22 11:18

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Aniline	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzidine	ND	20	10	µg/L	1	V-05, V-35	SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	9/30/22	10/8/22 19:42	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.4	15-110		10/8/22 19:42
Phenol-d6	30.2	15-110		10/8/22 19:42
Nitrobenzene-d5	68.3	30-130		10/8/22 19:42
2-Fluorobiphenyl	84.1	30-130		10/8/22 19:42
2,4,6-Tribromophenol	99.2	15-110		10/8/22 19:42
p-Terphenyl-d14	90.0	30-130		10/8/22 19:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.42	0.050	0.015	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Barium	0.064	0.050	0.0056	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Cadmium	0.00084	0.0040	0.00080	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Calcium	77	0.50	0.11	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Chromium	0.0035	0.010	0.0025	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Copper	0.0098	0.010	0.0036	mg/L	1	J	SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Iron	0.56	0.050	0.019	mg/L	1		SW-846 6010D	10/18/22	10/19/22 3:09	ATP
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/7/22	10/14/22 13:53	ATP
Magnesium	11	0.050	0.0095	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Manganese	2.5	0.010	0.0017	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Mercury	ND	0.00010	0.000040	mg/L	1	B-05	SW-846 7470A	10/6/22	10/6/22 17:23	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Potassium	6.5	2.0	0.30	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Sodium	44	2.0	0.53	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Vanadium	0.015	0.010	0.0031	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW
Zinc	0.36	0.010	0.0042	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:30	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-1-09262022 | Sampled: 9/26/2022 12:35

Sample ID: 22I1737-03

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.010	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Acrylonitrile	ND	50	5.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Bromobenzene	ND	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
2-Butanone (MEK)	ND	200	16	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
tert-Butyl Alcohol (TBA)	ND	200	47	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
n-Butylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
sec-Butylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Chloromethane	ND	20	5.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
4-Chlorotoluene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Dibromomethane	ND	10	3.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
trans-1,4-Dichloro-2-butene	ND	20	16	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1-Dichloroethylene	2.2	10	1.4	µg/L	10	J	SW-846 8260D	10/3/22	10/3/22 13:54	MFF
cis-1,2-Dichloroethylene	1200	10	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
2,2-Dichloropropane	ND	10	3.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1-Dichloropropene	ND	20	1.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Diethyl Ether	ND	20	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Hexachlorobutadiene	ND	6.0	4.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	0.97	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Naphthalene	ND	20	2.4	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
n-Propylbenzene	ND	10	0.86	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Tetrahydrofuran	ND	100	4.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,3,5-Trichlorobenzene	ND	10	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Trichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2,3-Trichloropropane	ND	20	2.8	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,2,4-Trimethylbenzene	ND	10	2.0	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
1,3,5-Trimethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
Vinyl Chloride	220	20	2.1	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
m+p Xylene	ND	20	4.6	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF
o-Xylene	ND	10	2.3	µg/L	10		SW-846 8260D	10/3/22	10/3/22 13:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		10/3/22 13:54
Toluene-d8	101	70-130		10/3/22 13:54
4-Bromofluorobenzene	97.4	70-130		10/3/22 13:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Acetophenone	ND	9.9	0.53	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Aniline	ND	5.0	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzidine	ND	20	10	µg/L	1	V-05, V-35	SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzo(a)anthracene	ND	5.0	0.40	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzo(a)pyrene	ND	5.0	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzo(k)fluoranthene	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Benzoic Acid	ND	9.9	8.3	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Bis(2-chloroethoxy)methane	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Bis(2-chloroethyl)ether	ND	9.9	0.56	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Bis(2-chloroisopropyl)ether	ND	9.9	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.9	0.83	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Bromophenylphenylether	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Butylbenzylphthalate	ND	9.9	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Carbazole	ND	9.9	0.42	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Chloroaniline	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Chloro-3-methylphenol	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Chloronaphthalene	ND	9.9	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Chlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Chlorophenylphenylether	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Chrysene	ND	5.0	0.39	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Dibenz(a,h)anthracene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Dibenzofuran	ND	5.0	0.48	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Di-n-butylphthalate	ND	9.9	0.46	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,2-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,4-Dichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
3,3-Dichlorobenzidine	ND	9.9	0.70	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4-Dichlorophenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Diethylphthalate	ND	9.9	0.41	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4-Dimethylphenol	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Dimethylphthalate	ND	9.9	0.37	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4,6-Dinitro-2-methylphenol	ND	9.9	7.0	µg/L	1	V-35	SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4-Dinitrophenol	ND	9.9	8.0	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4-Dinitrotoluene	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,6-Dinitrotoluene	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Di-n-octylphthalate	ND	9.9	3.9	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.9	0.57	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Fluorene	ND	5.0	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.9	0.50	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Hexachlorobutadiene	ND	9.9	0.77	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Hexachlorocyclopentadiene	ND	9.9	3.6	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Hexachloroethane	ND	9.9	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.73	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Isophorone	ND	9.9	0.55	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Methylnaphthalene	ND	5.0	0.68	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Methylphenol	ND	9.9	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
3/4-Methylphenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Nitroaniline	ND	9.9	0.69	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
3-Nitroaniline	ND	9.9	0.58	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Nitroaniline	ND	9.9	0.59	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Nitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2-Nitrophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
4-Nitrophenol	ND	9.9	2.1	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
N-Nitrosodimethylamine	ND	9.9	0.78	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.9	0.38	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
N-Nitrosodi-n-propylamine	ND	9.9	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Pentachloronitrobenzene	ND	9.9	0.62	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Pentachlorophenol	ND	9.9	3.5	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Phenanthrene	ND	5.0	0.47	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Phenol	ND	9.9	0.23	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
Pyridine	ND	5.0	2.4	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.9	0.65	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
1,2,4-Trichlorobenzene	ND	5.0	0.66	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4,5-Trichlorophenol	ND	9.9	0.51	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL
2,4,6-Trichlorophenol	ND	9.9	0.45	µg/L	1		SW-846 8270E	9/30/22	10/8/22 20:09	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.6	15-110		10/8/22 20:09
Phenol-d6	27.2	15-110		10/8/22 20:09
Nitrobenzene-d5	51.0	30-130		10/8/22 20:09
2-Fluorobiphenyl	66.7	30-130		10/8/22 20:09
2,4,6-Tribromophenol	85.7	15-110		10/8/22 20:09
p-Terphenyl-d14	76.0	30-130		10/8/22 20:09

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.076	0.050	0.015	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Barium	0.18	0.050	0.0056	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Calcium	40	0.50	0.11	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Iron	30	0.050	0.019	mg/L	1		SW-846 6010D	10/18/22	10/19/22 3:17	ATP
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	10/7/22	10/14/22 13:58	ATP
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Manganese	1.8	0.010	0.0017	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Mercury	ND	0.00010	0.000040	mg/L	1	B-05	SW-846 7470A	10/6/22	10/6/22 17:30	ATP
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Potassium	3.0	2.0	0.30	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Sodium	81	2.0	0.53	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Vanadium	0.014	0.010	0.0031	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW
Zinc	0.014	0.010	0.0042	mg/L	1		SW-846 6010D	10/7/22	10/13/22 15:38	QNW

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Project Location: Glen Cove, NY | Sample Description: | Work Order: 22I1737

Date Received: 9/28/2022

Field Sample #: MW-Y-09262022 | Sampled: 9/26/2022 00:00

Sample ID: 22I1737-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	0.023	0.010	0.0035	mg/L	1		SM21-23 4500 CN E	10/4/22	10/5/22 10:15	DRA

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Sample Extraction Data

SM21-23 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01 [MW-22RD-09262022]	B318742	50.0	50.0	10/04/22
22I1737-02 [MW-1DD-09262022]	B318742	50.0	50.0	10/04/22
22I1737-03 [MW-1-09262022]	B318742	50.0	50.0	10/04/22
22I1737-04 [MW-Y-09262022]	B318742	50.0	50.0	10/04/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01 [MW-22RD-09262022]	B319190	50.0	50.0	10/07/22
22I1737-02 [MW-1DD-09262022]	B319190	50.0	50.0	10/07/22
22I1737-03 [MW-1-09262022]	B319190	50.0	50.0	10/07/22
22I1737-04 [MW-Y-09262022]	B319190	50.0	50.0	10/07/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01RE1 [MW-22RD-09262022]	B320350	25.0	25.0	10/18/22
22I1737-02RE1 [MW-1DD-09262022]	B320350	25.0	25.0	10/18/22
22I1737-03RE1 [MW-1-09262022]	B320350	25.0	25.0	10/18/22
22I1737-04RE1 [MW-Y-09262022]	B320350	25.0	25.0	10/18/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01 [MW-22RD-09262022]	B318597	10.0	10.0	10/06/22
22I1737-02 [MW-1DD-09262022]	B318597	10.0	10.0	10/06/22
22I1737-03 [MW-1-09262022]	B318597	10.0	10.0	10/06/22
22I1737-04 [MW-Y-09262022]	B318597	10.0	10.0	10/06/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01 [MW-22RD-09262022]	B318642	0.5	5.00	10/03/22
22I1737-02 [MW-1DD-09262022]	B318642	5	5.00	10/03/22
22I1737-03 [MW-1-09262022]	B318642	5	5.00	10/03/22
22I1737-04 [MW-Y-09262022]	B318642	0.5	5.00	10/03/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I1737-01 [MW-22RD-09262022]	B318587	1010	1.00	09/30/22
22I1737-02 [MW-1DD-09262022]	B318587	1020	1.00	09/30/22
22I1737-03 [MW-1-09262022]	B318587	1020	1.00	09/30/22
22I1737-04 [MW-Y-09262022]	B318587	1010	1.00	09/30/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318642 - SW-846 5030B										
Blank (B318642-BLK1)				Prepared & Analyzed: 10/03/22						
Acetone	ND	50	µg/L							
Acrolein	ND	10	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Difluorochloromethane (Freon 22)	ND	1.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318642 - SW-846 5030B											
Blank (B318642-BLK1)				Prepared & Analyzed: 10/03/22							
Isopropylbenzene (Cumene)	ND	1.0	µg/L								
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L								
Methyl Acetate	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L								
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Xylenes (total)	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6	70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7	70-130				
LCS (B318642-BS1)				Prepared & Analyzed: 10/03/22							
Acetone	124	50	µg/L	100		124	70-160				†
Acrolein	92.4	10	µg/L	100		92.4	70-130				
Acrylonitrile	10.7	5.0	µg/L	10.0		107	70-130				
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109	70-130				
Benzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	10.8	0.50	µg/L	10.0		108	70-130				
Bromoform	10.1	1.0	µg/L	10.0		101	70-130				
Bromomethane	10.3	2.0	µg/L	10.0		103	40-160			V-20	†
2-Butanone (MEK)	118	20	µg/L	100		118	40-160				†
tert-Butyl Alcohol (TBA)	110	20	µg/L	100		110	40-160				†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110	70-130				
Carbon Disulfide	113	5.0	µg/L	100		113	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318642 - SW-846 5030B										
LCS (B318642-BS1)				Prepared & Analyzed: 10/03/22						
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130			
Chloroethane	11.9	2.0	µg/L	10.0		119	70-130			
Chloroform	10.3	2.0	µg/L	10.0		103	70-130			
Chloromethane	9.31	2.0	µg/L	10.0		93.1	40-160			†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130			
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.49	5.0	µg/L	10.0		94.9	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
Dibromomethane	11.4	1.0	µg/L	10.0		114	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,4-Dichloro-2-butene	8.51	2.0	µg/L	10.0		85.1	70-130			
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.0		112	40-160			†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0		113	70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130			
1,3-Dichloropropane	11.2	0.50	µg/L	10.0		112	70-130			
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	40-130			†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130			
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
Diethyl Ether	11.3	2.0	µg/L	10.0		113	70-130			
Difluorochloromethane (Freon 22)	11.7	1.0	µg/L	10.0		117	70-130			
Diisopropyl Ether (DIPE)	11.2	0.50	µg/L	10.0		112	70-130			
1,4-Dioxane	93.7	50	µg/L	100		93.7	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	9.42	0.60	µg/L	10.0		94.2	70-130			
2-Hexanone (MBK)	112	10	µg/L	100		112	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130			
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Acetate	10.9	1.0	µg/L	10.0		109	70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130			
Methylene Chloride	10.9	5.0	µg/L	10.0		109	70-130			
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100		111	70-160			†
Naphthalene	9.73	2.0	µg/L	10.0		97.3	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Styrene	10.8	1.0	µg/L	10.0		108	70-130			
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130			
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Tetrahydrofuran	10.9	10	µg/L	10.0		109	70-130			
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	9.63	5.0	µg/L	10.0		96.3	70-130			
1,2,4-Trichlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318642 - SW-846 5030B											
LCS (B318642-BS1)				Prepared & Analyzed: 10/03/22							
1,3,5-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130				
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0		117	70-130				
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0		104	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1	1.0	µg/L	10.0		121	70-130				
1,2,4-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	40-160				†
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130				
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.1	70-130				
LCS Dup (B318642-BSD1)				Prepared & Analyzed: 10/03/22							
Acetone	119	50	µg/L	100		119	70-160	4.06	25		†
Acrolein	99.8	10	µg/L	100		99.8	70-130	7.67	25		
Acrylonitrile	11.0	5.0	µg/L	10.0		110	70-130	2.95	25		
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130	3.07	25		
Benzene	11.6	1.0	µg/L	10.0		116	70-130	5.39	25		
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130	4.80	25		
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130	1.85	25		
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	4.28	25		
Bromoform	10.4	1.0	µg/L	10.0		104	70-130	3.22	25		
Bromomethane	11.1	2.0	µg/L	10.0		111	40-160	6.91	25	V-20	†
2-Butanone (MEK)	116	20	µg/L	100		116	40-160	1.83	25		†
tert-Butyl Alcohol (TBA)	109	20	µg/L	100		109	40-160	1.51	25		†
n-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.22	25		
sec-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.15	25		
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.92	25		
tert-Butyl Ethyl Ether (TBEE)	11.3	0.50	µg/L	10.0		113	70-130	2.24	25		
Carbon Disulfide	118	5.0	µg/L	100		118	70-130	4.08	25		
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130	8.02	25		
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	3.44	25		
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130	3.33	25		
Chloroethane	12.1	2.0	µg/L	10.0		121	70-130	2.17	25		
Chloroform	11.0	2.0	µg/L	10.0		110	70-130	6.94	25		
Chloromethane	9.60	2.0	µg/L	10.0		96.0	40-160	3.07	25		†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	1.74	25		
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130	0.566	25		
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130	2.72	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.51	5.0	µg/L	10.0		95.1	70-130	0.211	25		
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130	3.68	25		
Dibromomethane	11.9	1.0	µg/L	10.0		119	70-130	4.30	25		
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.78	25		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	5.07	25		
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	4.43	25		
trans-1,4-Dichloro-2-butene	8.51	2.0	µg/L	10.0		85.1	70-130	0.00	25		
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116	40-160	3.15	25		†
1,1-Dichloroethane	11.8	1.0	µg/L	10.0		118	70-130	5.57	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318642 - SW-846 5030B										
LCS Dup (B318642-BSD1)				Prepared & Analyzed: 10/03/22						
1,2-Dichloroethane	11.5	1.0	µg/L	10.0		115	70-130	4.55	25	
1,1-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130	6.90	25	
cis-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	5.41	25	
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	4.42	25	
1,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	70-130	3.97	25	
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116	70-130	3.77	25	
2,2-Dichloropropane	11.5	1.0	µg/L	10.0		115	40-130	3.90	25	†
1,1-Dichloropropene	11.2	2.0	µg/L	10.0		112	70-130	3.54	25	
cis-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	4.92	25	
trans-1,3-Dichloropropene	11.2	0.50	µg/L	10.0		112	70-130	4.39	25	
Diethyl Ether	11.8	2.0	µg/L	10.0		118	70-130	4.07	25	
Difluorochloromethane (Freon 22)	11.8	1.0	µg/L	10.0		118	70-130	1.27	25	
Diisopropyl Ether (DIPE)	11.7	0.50	µg/L	10.0		117	70-130	4.47	25	
1,4-Dioxane	103	50	µg/L	100		103	40-130	8.95	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.97	25	
Hexachlorobutadiene	9.42	0.60	µg/L	10.0		94.2	70-130	0.00	25	
2-Hexanone (MBK)	110	10	µg/L	100		110	70-160	1.24	25	†
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0		107	70-130	5.39	25	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	1.57	25	
Methyl Acetate	11.4	1.0	µg/L	10.0		114	70-130	4.56	25	
Methyl tert-Butyl Ether (MTBE)	11.4	1.0	µg/L	10.0		114	70-130	4.59	25	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130	1.80	25	
Methylene Chloride	11.5	5.0	µg/L	10.0		115	70-130	5.27	25	
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	70-160	0.600	25	†
Naphthalene	9.99	2.0	µg/L	10.0		99.9	40-130	2.64	25	†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130	2.18	25	
Styrene	11.0	1.0	µg/L	10.0		110	70-130	1.84	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.61	25	
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130	1.41	25	
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130	2.41	25	
Tetrahydrofuran	10.7	10	µg/L	10.0		107	70-130	1.85	25	
Toluene	11.5	1.0	µg/L	10.0		115	70-130	5.56	25	
1,2,3-Trichlorobenzene	9.86	5.0	µg/L	10.0		98.6	70-130	2.36	25	
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	3.96	25	
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.78	25	
1,1,1-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130	2.95	25	
1,1,2-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	4.44	25	
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130	0.541	25	
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130	2.86	25	
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.0		106	70-130	1.05	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6	1.0	µg/L	10.0		126	70-130	3.48	25	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	4.08	25	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	2.37	25	
Vinyl Chloride	11.7	2.0	µg/L	10.0		117	40-160	3.12	25	†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130	0.988	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	1.82	25	
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.3	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318587 - SW-846 3510C										
Blank (B318587-BLK1)				Prepared: 09/30/22 Analyzed: 10/03/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-04, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-05
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B318587 - SW-846 3510C											
Blank (B318587-BLK1)				Prepared: 09/30/22 Analyzed: 10/03/22							
2-Methylphenol	ND	10	µg/L								
3/4-Methylphenol	ND	10	µg/L								
Naphthalene	ND	5.0	µg/L								
2-Nitroaniline	ND	10	µg/L								
3-Nitroaniline	ND	10	µg/L								
4-Nitroaniline	ND	10	µg/L								
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L								
N-Nitrosodimethylamine	ND	10	µg/L								
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L								
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L								
Pentachlorophenol	ND	10	µg/L								V-05
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*65.0*		µg/L	200		32.5		15-110			
Surrogate: Phenol-d6	*50.5*		µg/L	200		25.2		15-110			
Surrogate: Nitrobenzene-d5	*64.4*		µg/L	100		64.4		30-130			
Surrogate: 2-Fluorobiphenyl	*47.8*		µg/L	100		47.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*118*		µg/L	200		59.1		15-110			
Surrogate: p-Terphenyl-d14	*67.9*		µg/L	100		67.9		30-130			
LCS (B318587-BS1)				Prepared: 09/30/22 Analyzed: 10/03/22							
Acenaphthene	33.5	5.0	µg/L	50.0		67.0		40-140			
Acenaphthylene	35.9	5.0	µg/L	50.0		71.8		40-140			
Acetophenone	37.9	10	µg/L	50.0		75.7		40-140			
Aniline	49.9	5.0	µg/L	50.0		99.8		40-140			
Anthracene	40.1	5.0	µg/L	50.0		80.2		40-140			
Benzidine	125	20	µg/L	50.0		**250**	*	40-140			L-02, V-04, V-35
Benzo(a)anthracene	39.9	5.0	µg/L	50.0		79.8		40-140			
Benzo(a)pyrene	39.5	5.0	µg/L	50.0		79.0		40-140			
Benzo(b)fluoranthene	40.6	5.0	µg/L	50.0		81.2		40-140			
Benzo(g,h,i)perylene	36.2	5.0	µg/L	50.0		72.5		40-140			
Benzo(k)fluoranthene	41.0	5.0	µg/L	50.0		82.0		40-140			
Benzoic Acid	12.3	10	µg/L	50.0		24.6		10-130			†
Bis(2-chloroethoxy)methane	38.6	10	µg/L	50.0		77.1		40-140			
Bis(2-chloroethyl)ether	38.9	10	µg/L	50.0		77.8		40-140			
Bis(2-chloroisopropyl)ether	46.2	10	µg/L	50.0		92.3		40-140			
Bis(2-Ethylhexyl)phthalate	45.6	10	µg/L	50.0		91.2		40-140			
4-Bromophenylphenylether	38.2	10	µg/L	50.0		76.3		40-140			
Butylbenzylphthalate	47.2	10	µg/L	50.0		94.5		40-140			
Carbazole	42.5	10	µg/L	50.0		85.0		40-140			
4-Chloroaniline	42.8	10	µg/L	50.0		85.6		40-140			
4-Chloro-3-methylphenol	43.3	10	µg/L	50.0		86.6		30-130			
2-Chloronaphthalene	31.1	10	µg/L	50.0		62.3		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318587 - SW-846 3510C											
LCS (B318587-BS1)				Prepared: 09/30/22 Analyzed: 10/03/22							
2-Chlorophenol	35.8	10	µg/L	50.0		71.6	30-130				
4-Chlorophenylphenylether	38.0	10	µg/L	50.0		76.0	40-140				
Chrysene	36.3	5.0	µg/L	50.0		72.7	40-140				
Dibenz(a,h)anthracene	39.8	5.0	µg/L	50.0		79.5	40-140				
Dibenzofuran	38.2	5.0	µg/L	50.0		76.3	40-140				
Di-n-butylphthalate	44.0	10	µg/L	50.0		88.0	40-140				
1,2-Dichlorobenzene	27.5	5.0	µg/L	50.0		55.1	40-140				
1,3-Dichlorobenzene	25.7	5.0	µg/L	50.0		51.5	40-140				
1,4-Dichlorobenzene	26.6	5.0	µg/L	50.0		53.1	40-140				
3,3-Dichlorobenzidine	50.9	10	µg/L	50.0		102	40-140				
2,4-Dichlorophenol	35.7	10	µg/L	50.0		71.3	30-130				
Diethylphthalate	42.1	10	µg/L	50.0		84.3	40-140				
2,4-Dimethylphenol	37.5	10	µg/L	50.0		75.0	30-130				
Dimethylphthalate	41.9	10	µg/L	50.0		83.8	40-140				
4,6-Dinitro-2-methylphenol	36.1	10	µg/L	50.0		72.2	30-130				
2,4-Dinitrophenol	30.2	10	µg/L	50.0		60.4	30-130			V-05	
2,4-Dinitrotoluene	40.8	10	µg/L	50.0		81.7	40-140				
2,6-Dinitrotoluene	43.3	10	µg/L	50.0		86.6	40-140				
Di-n-octylphthalate	48.5	10	µg/L	50.0		97.0	40-140				
1,2-Diphenylhydrazine/Azobenzene	44.3	10	µg/L	50.0		88.5	40-140				
Fluoranthene	42.6	5.0	µg/L	50.0		85.1	40-140				
Fluorene	37.7	5.0	µg/L	50.0		75.4	40-140				
Hexachlorobenzene	40.2	10	µg/L	50.0		80.4	40-140				
Hexachlorobutadiene	27.4	10	µg/L	50.0		54.8	40-140				
Hexachlorocyclopentadiene	20.0	10	µg/L	50.0		40.0	30-140			V-05	†
Hexachloroethane	27.2	10	µg/L	50.0		54.4	40-140				
Indeno(1,2,3-cd)pyrene	39.3	5.0	µg/L	50.0		78.7	40-140				
Isophorone	42.5	10	µg/L	50.0		85.0	40-140				
1-Methylnaphthalene	29.7	5.0	µg/L	50.0		59.5	40-140				
2-Methylnaphthalene	34.6	5.0	µg/L	50.0		69.1	40-140				
2-Methylphenol	36.3	10	µg/L	50.0		72.5	30-130				
3/4-Methylphenol	34.7	10	µg/L	50.0		69.3	30-130				
Naphthalene	31.3	5.0	µg/L	50.0		62.6	40-140				
2-Nitroaniline	48.2	10	µg/L	50.0		96.4	40-140				
3-Nitroaniline	46.1	10	µg/L	50.0		92.3	40-140				
4-Nitroaniline	44.2	10	µg/L	50.0		88.4	40-140				
Nitrobenzene	36.7	10	µg/L	50.0		73.3	40-140				
2-Nitrophenol	34.8	10	µg/L	50.0		69.6	30-130				
4-Nitrophenol	22.5	10	µg/L	50.0		45.0	10-130				†
N-Nitrosodimethylamine	28.3	10	µg/L	50.0		56.6	40-140				
N-Nitrosodiphenylamine/Diphenylamine	40.3	10	µg/L	50.0		80.5	40-140				
N-Nitrosodi-n-propylamine	45.2	10	µg/L	50.0		90.3	40-140				
Pentachloronitrobenzene	43.6	10	µg/L	50.0		87.2	40-140				
Pentachlorophenol	24.6	10	µg/L	50.0		49.3	30-130			V-05	
Phenanthrene	39.8	5.0	µg/L	50.0		79.7	40-140				
Phenol	18.8	10	µg/L	50.0		37.5	20-130				†
Pyrene	39.3	5.0	µg/L	50.0		78.7	40-140				
Pyridine	20.9	5.0	µg/L	50.0		41.9	10-140				†
1,2,4,5-Tetrachlorobenzene	30.4	10	µg/L	50.0		60.8	40-140				
1,2,4-Trichlorobenzene	27.7	5.0	µg/L	50.0		55.4	40-140				
2,4,5-Trichlorophenol	38.6	10	µg/L	50.0		77.2	30-130				
2,4,6-Trichlorophenol	36.3	10	µg/L	50.0		72.5	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B318587 - SW-846 3510C												
LCS (B318587-BS1)				Prepared: 09/30/22 Analyzed: 10/03/22								
Surrogate: 2-Fluorophenol	*104*		µg/L	200		52.2		15-110				
Surrogate: Phenol-d6	*80.1*		µg/L	200		40.1		15-110				
Surrogate: Nitrobenzene-d5	*101*		µg/L	100		101		30-130				
Surrogate: 2-Fluorobiphenyl	*75.7*		µg/L	100		75.7		30-130				
Surrogate: 2,4,6-Tribromophenol	*187*		µg/L	200		93.7		15-110				
Surrogate: p-Terphenyl-d14	*91.3*		µg/L	100		91.3		30-130				
LCS Dup (B318587-BSD1)				Prepared: 09/30/22 Analyzed: 10/03/22								
Acenaphthene	32.0	5.0	µg/L	50.0		63.9		40-140	4.67	20		
Acenaphthylene	34.2	5.0	µg/L	50.0		68.4		40-140	4.76	20		
Acetophenone	37.7	10	µg/L	50.0		75.3		40-140	0.530	20		
Aniline	47.7	5.0	µg/L	50.0		95.3		40-140	4.61	50		‡
Anthracene	38.4	5.0	µg/L	50.0		76.7		40-140	4.44	20		
Benzidine	112	20	µg/L	50.0		**224**	*	40-140	11.0	20	L-02, V-04, V-35	
Benzo(a)anthracene	38.2	5.0	µg/L	50.0		76.5		40-140	4.25	20		
Benzo(a)pyrene	38.1	5.0	µg/L	50.0		76.2		40-140	3.58	20		
Benzo(b)fluoranthene	39.1	5.0	µg/L	50.0		78.2		40-140	3.77	20		
Benzo(g,h,i)perylene	33.9	5.0	µg/L	50.0		67.8		40-140	6.70	20		
Benzo(k)fluoranthene	39.6	5.0	µg/L	50.0		79.1		40-140	3.60	20		
Benzoic Acid	12.1	10	µg/L	50.0		24.3		10-130	1.47	50		† ‡
Bis(2-chloroethoxy)methane	38.2	10	µg/L	50.0		76.4		40-140	0.912	20		
Bis(2-chloroethyl)ether	38.6	10	µg/L	50.0		77.2		40-140	0.749	20		
Bis(2-chloroisopropyl)ether	44.8	10	µg/L	50.0		89.6		40-140	2.99	20		
Bis(2-Ethylhexyl)phthalate	43.4	10	µg/L	50.0		86.8		40-140	4.88	20		
4-Bromophenylphenylether	37.2	10	µg/L	50.0		74.4		40-140	2.52	20		
Butylbenzylphthalate	44.4	10	µg/L	50.0		88.9		40-140	6.11	20		
Carbazole	40.2	10	µg/L	50.0		80.4		40-140	5.59	20		
4-Chloroaniline	39.2	10	µg/L	50.0		78.4		40-140	8.73	20		
4-Chloro-3-methylphenol	41.5	10	µg/L	50.0		83.1		30-130	4.17	20		
2-Chloronaphthalene	30.2	10	µg/L	50.0		60.3		40-140	3.13	20		
2-Chlorophenol	35.5	10	µg/L	50.0		71.1		30-130	0.785	20		
4-Chlorophenylphenylether	36.7	10	µg/L	50.0		73.5		40-140	3.37	20		
Chrysene	34.7	5.0	µg/L	50.0		69.3		40-140	4.70	20		
Dibenz(a,h)anthracene	37.8	5.0	µg/L	50.0		75.5		40-140	5.19	20		
Dibenzofuran	36.9	5.0	µg/L	50.0		73.7		40-140	3.49	20		
Di-n-butylphthalate	42.2	10	µg/L	50.0		84.3		40-140	4.25	20		
1,2-Dichlorobenzene	27.2	5.0	µg/L	50.0		54.3		40-140	1.39	20		
1,3-Dichlorobenzene	26.3	5.0	µg/L	50.0		52.7		40-140	2.30	20		
1,4-Dichlorobenzene	26.6	5.0	µg/L	50.0		53.2		40-140	0.150	20		
3,3-Dichlorobenzidine	48.0	10	µg/L	50.0		96.0		40-140	5.81	20		
2,4-Dichlorophenol	34.3	10	µg/L	50.0		68.7		30-130	3.83	20		
Diethylphthalate	40.3	10	µg/L	50.0		80.6		40-140	4.51	20		
2,4-Dimethylphenol	36.6	10	µg/L	50.0		73.1		30-130	2.49	20		
Dimethylphthalate	39.4	10	µg/L	50.0		78.8		40-140	6.18	50		‡
4,6-Dinitro-2-methylphenol	35.4	10	µg/L	50.0		70.9		30-130	1.85	50		‡
2,4-Dinitrophenol	30.7	10	µg/L	50.0		61.5		30-130	1.84	50	V-05	‡
2,4-Dinitrotoluene	39.4	10	µg/L	50.0		78.8		40-140	3.59	20		
2,6-Dinitrotoluene	41.9	10	µg/L	50.0		83.9		40-140	3.17	20		
Di-n-octylphthalate	46.0	10	µg/L	50.0		92.0		40-140	5.31	20		
1,2-Diphenylhydrazine/Azobenzene	41.5	10	µg/L	50.0		83.0		40-140	6.44	20		
Fluoranthene	40.9	5.0	µg/L	50.0		81.7		40-140	4.03	20		
Fluorene	36.5	5.0	µg/L	50.0		73.1		40-140	3.13	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B318587 - SW-846 3510C											
LCS Dup (B318587-BSD1)				Prepared: 09/30/22 Analyzed: 10/03/22							
Hexachlorobenzene	38.3	10	µg/L	50.0		76.6	40-140	4.84	20		
Hexachlorobutadiene	26.2	10	µg/L	50.0		52.4	40-140	4.52	20		
Hexachlorocyclopentadiene	20.2	10	µg/L	50.0		40.4	30-140	1.04	50	V-05	† ‡
Hexachloroethane	27.8	10	µg/L	50.0		55.5	40-140	2.00	50		‡
Indeno(1,2,3-cd)pyrene	38.3	5.0	µg/L	50.0		76.7	40-140	2.60	50		‡
Isophorone	41.0	10	µg/L	50.0		82.1	40-140	3.50	20		
1-Methylnaphthalene	29.0	5.0	µg/L	50.0		57.9	40-140	2.66	20		
2-Methylnaphthalene	33.7	5.0	µg/L	50.0		67.4	40-140	2.55	20		
2-Methylphenol	35.6	10	µg/L	50.0		71.1	30-130	1.95	20		
3/4-Methylphenol	34.8	10	µg/L	50.0		69.7	30-130	0.489	20		
Naphthalene	31.6	5.0	µg/L	50.0		63.2	40-140	0.891	20		
2-Nitroaniline	46.4	10	µg/L	50.0		92.8	40-140	3.80	20		
3-Nitroaniline	42.3	10	µg/L	50.0		84.5	40-140	8.75	20		
4-Nitroaniline	42.6	10	µg/L	50.0		85.3	40-140	3.62	20		
Nitrobenzene	35.9	10	µg/L	50.0		71.9	40-140	2.01	20		
2-Nitrophenol	34.0	10	µg/L	50.0		68.0	30-130	2.35	20		
4-Nitrophenol	24.6	10	µg/L	50.0		49.2	10-130	8.96	50		† ‡
N-Nitrosodimethylamine	27.5	10	µg/L	50.0		55.0	40-140	2.79	20		
N-Nitrosodiphenylamine/Diphenylamine	38.2	10	µg/L	50.0		76.5	40-140	5.20	20		
N-Nitrosodi-n-propylamine	44.5	10	µg/L	50.0		88.9	40-140	1.52	20		
Pentachloronitrobenzene	40.6	10	µg/L	50.0		81.3	40-140	7.05	20		
Pentachlorophenol	23.6	10	µg/L	50.0		47.1	30-130	4.52	50	V-05	‡
Phenanthrene	38.0	5.0	µg/L	50.0		76.1	40-140	4.60	20		
Phenol	19.0	10	µg/L	50.0		38.0	20-130	1.32	20		†
Pyrene	37.9	5.0	µg/L	50.0		75.7	40-140	3.81	20		
Pyridine	20.5	5.0	µg/L	50.0		41.0	10-140	2.08	50		† ‡
1,2,4,5-Tetrachlorobenzene	30.1	10	µg/L	50.0		60.3	40-140	0.892	20		
1,2,4-Trichlorobenzene	28.0	5.0	µg/L	50.0		55.9	40-140	1.04	20		
2,4,5-Trichlorophenol	37.6	10	µg/L	50.0		75.2	30-130	2.63	20		
2,4,6-Trichlorophenol	35.8	10	µg/L	50.0		71.5	30-130	1.44	50		‡
Surrogate: 2-Fluorophenol	*100*		µg/L	200		50.0	15-110				
Surrogate: Phenol-d6	*78.4*		µg/L	200		39.2	15-110				
Surrogate: Nitrobenzene-d5	*97.2*		µg/L	100		97.2	30-130				
Surrogate: 2-Fluorobiphenyl	*73.6*		µg/L	100		73.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*178*		µg/L	200		88.9	15-110				
Surrogate: p-Terphenyl-d14	*85.5*		µg/L	100		85.5	30-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B318597 - SW-846 7470A Prep										
Blank (B318597-BLK1)				Prepared & Analyzed: 10/06/22						
Mercury	0.000050	0.00010	mg/L							J
LCS (B318597-BS1)				Prepared & Analyzed: 10/06/22						
Mercury	0.00407	0.00010	mg/L	0.00402		101	80-120			
LCS Dup (B318597-BSD1)				Prepared & Analyzed: 10/06/22						
Mercury	0.00410	0.00010	mg/L	0.00402		102	80-120	0.637	20	
Batch B319190 - SW-846 3005A										
Blank (B319190-BLK1)				Prepared: 10/07/22 Analyzed: 10/13/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	0.0065	0.010	mg/L							J
LCS (B319190-BS1)				Prepared: 10/07/22 Analyzed: 10/13/22						
Aluminum	0.499	0.050	mg/L	0.500		99.7	80-120			
Antimony	0.502	0.050	mg/L	0.500		100	80-120			
Arsenic	0.472	0.010	mg/L	0.500		94.5	80-120			
Barium	0.509	0.050	mg/L	0.500		102	80-120			
Beryllium	0.520	0.0040	mg/L	0.500		104	80-120			
Cadmium	0.506	0.0040	mg/L	0.500		101	80-120			
Calcium	4.06	0.50	mg/L	4.00		102	80-120			
Chromium	0.506	0.010	mg/L	0.500		101	80-120			
Cobalt	0.514	0.010	mg/L	0.500		103	80-120			
Copper	1.00	0.010	mg/L	1.00		100	80-120			
Lead	0.503	0.010	mg/L	0.500		101	80-120			
Magnesium	4.10	0.050	mg/L	4.00		103	80-120			
Manganese	0.505	0.010	mg/L	0.500		101	80-120			
Nickel	0.518	0.010	mg/L	0.500		104	80-120			
Potassium	4.01	2.0	mg/L	4.00		100	80-120			
Selenium	0.517	0.050	mg/L	0.500		103	80-120			
Silver	0.565	0.010	mg/L	0.500		113	80-120			
Sodium	4.02	2.0	mg/L	4.00		100	80-120			
Thallium	0.551	0.050	mg/L	0.500		110	80-120			
Vanadium	0.509	0.010	mg/L	0.500		102	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319190 - SW-846 3005A										
LCS (B319190-BS1)				Prepared: 10/07/22 Analyzed: 10/13/22						
Zinc	1.03	0.010	mg/L	1.00		103	80-120			
LCS Dup (B319190-BSD1)				Prepared: 10/07/22 Analyzed: 10/13/22						
Aluminum	0.501	0.050	mg/L	0.500		100	80-120	0.379	20	
Antimony	0.500	0.050	mg/L	0.500		100	80-120	0.268	20	
Arsenic	0.482	0.010	mg/L	0.500		96.4	80-120	2.04	20	
Barium	0.514	0.050	mg/L	0.500		103	80-120	0.875	20	
Beryllium	0.525	0.0040	mg/L	0.500		105	80-120	0.886	20	
Cadmium	0.509	0.0040	mg/L	0.500		102	80-120	0.504	20	
Calcium	4.07	0.50	mg/L	4.00		102	80-120	0.104	20	
Chromium	0.513	0.010	mg/L	0.500		103	80-120	1.29	20	
Cobalt	0.520	0.010	mg/L	0.500		104	80-120	1.07	20	
Copper	1.01	0.010	mg/L	1.00		101	80-120	0.982	20	
Lead	0.501	0.010	mg/L	0.500		100	80-120	0.319	20	
Magnesium	4.10	0.050	mg/L	4.00		103	80-120	0.0789	20	
Manganese	0.507	0.010	mg/L	0.500		101	80-120	0.452	20	
Nickel	0.522	0.010	mg/L	0.500		104	80-120	0.634	30	
Potassium	4.05	2.0	mg/L	4.00		101	80-120	1.03	20	
Selenium	0.513	0.050	mg/L	0.500		103	80-120	0.847	20	
Silver	0.569	0.010	mg/L	0.500		114	80-120	0.732	20	
Sodium	4.02	2.0	mg/L	4.00		100	80-120	0.0253	20	
Thallium	0.554	0.050	mg/L	0.500		111	80-120	0.659	20	
Vanadium	0.517	0.010	mg/L	0.500		103	80-120	1.48	20	
Zinc	1.04	0.010	mg/L	1.00		104	80-120	0.931	20	
Batch B320350 - SW-846 3005A										
Blank (B320350-BLK1)				Prepared: 10/18/22 Analyzed: 10/19/22						
Iron	ND	0.050	mg/L							
LCS (B320350-BS1)				Prepared: 10/18/22 Analyzed: 10/19/22						
Iron	3.90	0.050	mg/L	4.00		97.5	80-120			
LCS Dup (B320350-BSD1)				Prepared: 10/18/22 Analyzed: 10/19/22						
Iron	4.55	0.050	mg/L	4.00		114	80-120	15.3	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B318742 - SM21-23 4500 CN E											
Blank (B318742-BLK1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.0055	0.010	mg/L								J
LCS (B318742-BS1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.61	0.010	mg/L	0.772		79.4	75.5-121				
LCS Dup (B318742-BSD1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.69	0.010	mg/L	0.772		89.8	75.5-121	**12.3**	*	10.2	R-05
Reference (B318742-SRM1)				Prepared: 10/04/22 Analyzed: 10/05/22							
Cyanide	0.350	0.010	mg/L	0.386		90.6	0-200				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B-05	Data is not affected by elevated level in laboratory blank since sample(s) result is "Not Detected".
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-23 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

Pace Analytical

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: [illegible] tal Ass. + Rem. / NYSDEC
Address: 225 Atlantic Ave
Phone: (631-447-6400 x155
Project Name: Crown Dykman
Project Location: Glen Cove, NY
Project Number: NYSDEC Site # 130054
Project Manager: Trisha Vicale
Pace Analytical Quote Name/Number
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-assmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	VOCs 8260D	SVOCs 8270D	TAL Metals 6010D	Cyanide 9014	Dissolved TAL Metals 6010D								# of Containers
								2	2	1	1	1								[2] Preservation Code
								H	H	N	X	N								
								V	A	P	P	P								[3] Container Code
1	MW-22RD-09262022	9/26	9:25		X	GW	U	X	X	X	X	1								
2	MW-1DD-09262022	↓	11:44		↓	↓	↓	↓	↓	↓	↓	1								
3	MW-1-09262022		12:35									1								
4	MW-Y-09262022	↓	—		↓	↓	↓	↓	↓	↓	↓	1								

ANALYSIS REQUESTED

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Relinquished by: (signature): Matt A. Cr[illegible] — Date/Time: 9/26/22 15:00
Received by: (signature): EAR Fridge — Date/Time: 9/26/22 15:00
Relinquished by: (signature): [illegible] — Date/Time: 9-27-22/11:50
Received by: (signature): [illegible] — Date/Time: 9/27/22 11:50
Relinquished by: (signature): [illegible] — Date/Time: [illegible]/22 1800
Received by: (signature): [illegible] 3.4/2.6 — Date/Time: 9/28 922

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP,LLC Accredited

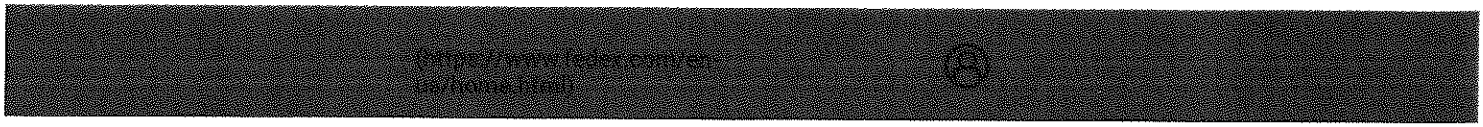
Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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FedEx® Tracking

DELIVERED

Wednesday

9/28/2022 at 9:22 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Shipment is 1 of 1 pieces

Get Status Updates

TRACKING ID

608945213312

FROM
MELVILLE, NY US

Label Created
9/27/2022 2:01 PM

PACKAGE RECEIVED BY FEDEX
MELVILLE, NY
9/27/2022 6:03 PM

IN TRANSIT
WINDSOR LOCKS, CT
9/28/2022 7:00 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
9/28/2022 7:08 AM

DELIVERED
EAST LONGMEADOW, MA US

DELIVERED
9/28/2022 at 9:22 AM

View travel history

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EAQ

Received By LA Date 9/28/22 Time 422

How were the samples received? In Cooler 1 No Cooler _____ On Ice T No Ice _____

Direct From Sample F Ambient _____ Melted Ice _____

Were samples within Tempurature? Within 2-6°C _____ By Gun # 5 Actual Temp - 3.4/2.6

By Blank # _____ Actual Temp - _____

Was Custody Seal In tact? N/A Were Samples Tampered with? F

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T

Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T splitting samples required? F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? T Acid T Base T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	8	1 Liter Plastic		16 oz Amb.	
HCL-	4	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	8	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix B

EnviroTrac

TO:	Letter of Transmittal	
Arcadis U.S., Inc 2424 Harrodsburg Road Suite 203 Lexington, KY 40503 Attn: Todd Minehardt, PE	Date: 9/12/22	Contract No.: D012149 Site No.: 130054
	Project Name: Crown Dykman Remedial Construction Project Site	
	Re: Pre Injection Logs	

WE ARE SENDING YOU THE FOLLOWING ITEMS:

❑ Shop drawings	■ Attached	❑ Under separate cover via _____ the following items:		
❑ Copy of Letter	❑ Prints	❑ Plans	❑ Samples	❑ Specifications
❑ Other		❑ Product Data Sheet		

No. Copies	Submittal Number [submittal name (Specification Section – Submission Number – Review Cycle)]
1	Pre Injection Logs 02 71 02 004 01

THESE ARE TRANSMITED as checked below:

■ For approval	❑ For your action	❑ Resubmit ____ copies
❑ For your use	❑ For checking	❑ Information only, not for construction
❑ For review and comment	❑ Returned for corrections	❑ Return _____ corrected prints

REMARKS:

CONTRACTOR SUBMITTAL REVIEW

Approved_____ ❑
Approved As Noted_____ ❑
Revise & Resubmit_____ ❑
Rejected_____ ❑
Not Subject to Review_____ ❑

COPY TO:

_____ _____
Prepared By **Date**

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-1	**Gauge Time:** 12:08
Gauge Date: 2/09/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	0.00
C. Liquid Depth (ft.) [A - B]:	4.86
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	0.83

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.22

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	12:08	6.16	0.522	1.44	15.74	467	169
	12:18	5.73	0.501	1.34	16.98	89.6	178
	12:28	5.69	0.489	1.94	16.34	73.1	178
	12:38	5.68	0.474	1.99	16.49	72.6	181
Purge end	12:48	5.66	0.484	1.97	16.50	69.8	184

Sampling Activities

Sampling Date/Time: 2-09-22/ 12:50
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 9 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-1D	**Gauge Time:** 10:10
Gauge Date: 2/09/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.58
C. Liquid Depth (ft.) [A - B]:	20.77
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.53

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	30
Purge Rate (gpm):	0.36

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	10:10	7.66	0.396	0.00	14.00	18.5	9
	10:20	7.62	0.387	0.00	14.18	5.4	12
	10:30	7.61	0.386	0.00	14.26	4.2	13
Purge end	10:40	7.60	0.385	0.00	14.30	3.8	14

Sampling Activities

Sampling Date/Time: 2-09-22/ 10:42
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 11 gallons was removed during sample activates.

Name of Sampler(s): Sam Scharge

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-1DD	**Gauge Time:** 12:11
Gauge Date: 2/09/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.87
C. Liquid Depth (ft.) [A - B]:	28.85
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	4.90

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.35

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	12:11	7.38	0.367	0.00	15.34	54.6	25
	12:21	7.39	0.371	0.00	15.07	16.0	17
	12:31	7.39	0.373	0.00	15.08	12.5	14
	12:41	7.40	0.373	0.00	14.98	8.6	12
Purge end	12:51	7.40	0.373	0.00	14.96	8.4	11

Sampling Activities

Sampling Date/Time: 2-09-22/ 12:51
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 14 gallons was removed during sample activates.

Name of Sampler(s): Sam Scharge

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-3	**Gauge Time:** 8:30
Gauge Date: 2/14/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	20.00
B. Depth to Water (ft.):	9.42
C. Liquid Depth (ft.) [A - B]:	10.58
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	1.80

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	75
Purge Rate (gpm):	0.24

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:30	8.10	0.510	0.75	11.87	26.5	80
	8:40	7.68	0.514	0.50	11.92	15.0	73
	8:50	7.40	0.515	0.34	12.18	8.7	76
	9:00	7.32	0.517	0.42	12.19	8.3	80
	9:10	7.27	0.518	0.50	12.20	7.5	82
	9:25	7.12	0.52	0.31	12.22	1.0	86
	9:35	7.13	0.523	0.32	12.23	0.0	91
Purge end	9:45	7.13	0.526	0.33	12.21	0.0	96

Sampling Activities

Sampling Date/Time: 2-14-22/ 9:50

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 18 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-4 R	**Gauge Time:** 10:30
Gauge Date: 2/14/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	19.55
B. Depth to Water (ft.):	0.78
C. Liquid Depth (ft.) [A - B]:	18.77
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.19

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	30
Purge Rate (gpm):	0.36

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	10:30	8.17	0.435	0.00	12.24	7.2	-42
	10:40	8.04	0.436	0.00	12.03	1.7	-52
	10:50	8.03	0.437	0.00	12.03	1.0	-55
Purge end	11:00	8.02	0.439	0.00	12.04	1.3	-52

Sampling Activities

Sampling Date/Time: 2-14-22/ 11:05
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge clear, post-purge clear
Comments & Observations: A total of 11 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-5 ®	**Gauge Time:** 11:48
Gauge Date: 2/10/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	25.15
B. Depth to Water (ft.):	6.40
C. Liquid Depth (ft.) [A - B]:	18.75
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.19

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins): 50

Purge Rate (gpm): 0.36

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	11:50	7.18	1.120	0.00	13.78	66.2	104
	12:00	7.17	1.230	0.00	13.93	20.3	94
	12:10	7.18	1.230	0.51	13.92	11.5	99
	12:20	7.21	1.230	1.31	13.90	11.1	105
	12:30	7.22	1.250	2.16	13.88	10.3	109
Purge end	12:40	7.25	1.230	2.60	13.92	10.4	102

Sampling Activities

Sampling Date/Time: 2-14-22/ 11:05

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge clear, post-purge clear

Comments & Observations: A total of 15 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-7 (R) S	**Gauge Time:** 8:54
Gauge Date: 2/10/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	19.91
B. Depth to Water (ft.):	8.43
C. Liquid Depth (ft.) [A - B]:	11.48
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	1.95

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.37

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:54	8.21	0.637	0.12	11.66	375	74
	9:04	6.86	0.637	0.00	12.02	34.2	77
	9:14	6.57	0.634	0.00	12.18	8.7	71
	9:24	6.60	0.635	0.00	12.12	7.6	69
Purge end	9:34	6.61	0.640	0.00	12.14	6.8	67

Sampling Activities

Sampling Date/Time: 2-14-22/ 9:50
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 15 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-7 (R) D	**Gauge Time:** 8:56
Gauge Date: 2/10/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	8.17
C. Liquid Depth (ft.) [A - B]:	14.83
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	2.52

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.37

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:56	8.10	0.510	0.75	11.87	26.5	80
	9:06	7.68	0.514	0.50	11.92	15.0	73
	9:16	7.40	0.515	0.34	12.18	8.7	76
	9:26	7.32	0.517	0.42	12.19	8.3	80
Purge end	9:36	7.27	0.518	0.50	12.20	7.5	82

Sampling Activities

Sampling Date/Time: 2-14-22/ 9:50
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 15 gallons was removed during sample activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-8	**Gauge Time:** 12:40
Gauge Date: 2/08/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	14.68
B. Depth to Water (ft.):	5.30
C. Liquid Depth (ft.) [A - B]:	9.38
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	1.59

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.29

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	12:42	7.48	0.547	2.21	11.55	26.9	-80
	12:52	7.48	0.560	0.24	11.86	19.9	-89
	13:02	7.48	0.564	0.23	11.99	20.1	-91
	13:12	7.49	0.568	0.22	12.01	18.8	-91
Purge end	13:22	7.50	0.570	0.19	12.03	17.9	-93

Sampling Activities

Sampling Date/Time: 2-08-22/ 13:25
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 11.5 gallons was removed during sample activates.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-11	**Gauge Time:** 11:28
Gauge Date: 2/14/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	9.21
B. Depth to Water (ft.):	3.93
C. Liquid Depth (ft.) [A - B]:	5.28
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	0.90

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins): 10

Purge Rate (gpm): 0.40

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable. The well pumped dry during purge activities. Well was allowed to recharge close to static water depth before sample was collected. Approximately one hour.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	11:30	8.33	0.960	5.72	7.05	0.00	-81
Purge end	11:40	8.26	0.966	2.52	8.05	0.00	-86

Sampling Activities

Sampling Date/Time: 2-14-22/ 12:44

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL

1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 1 gallons was removed during sample activates.

Name of Sampler(s): Don Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather: Rain**, snow, cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-21 S	**Gauge Time:** 8:40
Gauge Date: 2/7/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	1.26
C. Liquid Depth (ft.) [A - B]:	9.92
D. Well Vol./ft. (see Table 1):	0.16
E. Well Volume (gal.) [C x D]:	1.59

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.16
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	50
Purge Rate (gpm):	0.09

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:49	6.11	0.613	0.00	9.09	104	114
	8:54	5.47	0.577	0.00	9.24	81.2	106
	8:59	5.00	0.569	0.00	9.49	33.5	97
	9:04	4.69	0.568	0.00	9.67	31.5	110
	9:09	4.77	0.568	0.00	9.61	29.2	105
	9:14	4.73	0.566	0.00	9.64	28.8	101
	9:19	4.86	0.566	0.00	9.70	26.2	83
	9:24	5.50	0.567	0.00	9.75	24.2	70
	9:29	5.15	0.566	0.00	9.75	14.8	81
	9:34	5.11	0.565	0.00	9.77	14.0	85
Purge end	9:39	5.12	0.565	0.00	9.76	13.8	83

Sampling Activities

Sampling Date/Time: 2-7-22/ 09:39

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL

1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge turbid, post-purge clear

Comments & Observations: A total of 5.5 Gallons was removed during sampling activates.

Name of Sampler(s): Donald Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Rain, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-21 D	**Gauge Time:** 8:45
Gauge Date: 2/07/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.65
C. Liquid Depth (ft.) [A - B]:	17.80
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.03

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	10
Purge Rate (gpm):	0.40

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well pumped dry during purge activities. Well was allowed to recharge close to static water depth before sample was collected. Approximately 10 minutes.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:49	6.95	0.754	2.33	6.62	160	225
	8:54	6.93	0.771	3.02	7.03	184	243
Purge end	8:59	6.91	0.786	3.51	7.33	208	259
	9:09	6.91	0.788	3.75	7.48	184	271

Sampling Activities

Sampling Date/Time: 2-07-22/ 10:45
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 4 gallons was removed during sample activates.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Rain, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-22 (R) S	**Gauge Time:** 12:20
Gauge Date: 2/07/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	2.37
C. Liquid Depth (ft.) [A - B]:	8.81
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	1.50

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	35
Purge Rate (gpm):	0.25

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	12:22	5.75	0.726	0.00	12.11	162.0	-58
	12:27	5.80	0.725	0.00	12.20	150.0	-60
	12:32	6.03	0.729	0.00	12.24	159.0	-64
	12:37	6.10	0.731	0.00	12.32	165.0	-73
	12:42	6.10	0.730	0.00	12.52	186.0	-74
	12:47	6.11	0.728	0.00	12.60	190.0	-79
	12:52	6.09	0.727	0.00	12.64	195.0	-82
Purge end	12:57	6.10	0.727	0.00	12.66	194.0	-85

Sampling Activities

Sampling Date/Time: 2-07-22/ 13:06
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 8 gallons was removed during sample activates.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-22 (R) D	**Gauge Time:** 8:00
Gauge Date: 2/08/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.15
C. Liquid Depth (ft.) [A - B]:	26.25
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	4.46

Table 1
Well Volume/ft.

Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	70
Purge Rate (gpm):	0.26

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:00	5.65	0.598	1.40	10.61	617.0	13
	8:05	4.98	0.681	2.42	10.60	742.0	21
	8:10	4.94	0.771	3.32	10.25	381.0	17
	8:20	5.04	0.819	3.13	10.40	174.0	11
	8:30	5.09	0.850	3.04	10.58	83.0	5
	8:40	5.79	0.851	2.78	10.85	42.7	-29
	8:50	5.89	0.849	2.80	11.00	24.5	-36
	9:00	5.88	0.848	2.78	11.00	24.2	-34
Purge end	9:10	5.90	0.850	2.77	11.01	23.3	-28

Sampling Activities

Sampling Date/Time: 2-08-22/ 9:20
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 18 gallons was removed during sample activates.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-23 (R) S	**Gauge Time:** 8:28
Gauge Date: 2/09/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	11.68
B. Depth to Water (ft.):	2.12
C. Liquid Depth (ft.) [A - B]:	9.56
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	1.63

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.30

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:28	5.27	0.402	0.06	9.78	9.1	172
	8:38	5.29	0.398	0.06	9.84	8.8	166
	8:48	5.81	0.396	0.00	10.04	6.4	153
	8:58	5.42	0.393	0.00	10.15	4.8	171
Purge end	9:08	5.46	0.391	0.00	10.24	4.6	169

Sampling Activities

Sampling Date/Time: 2-09-22/ 9:10

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 12 gallons was removed during sample activites.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-23 (R) D	**Gauge Time:** 8:30
Gauge Date: 2/09/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.57
C. Liquid Depth (ft.) [A - B]:	15.68
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	2.67

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	40
Purge Rate (gpm):	0.30

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	8:30	7.65	0.453	0.13	12.26	9.4	37
	8:40	7.64	0.450	0.14	12.41	8.6	42
	8:50	7.62	0.449	0.00	12.36	5.8	37
	9:00	7.61	0.448	0.00	12.44	4.0	35
Purge end	9:10	7.60	0.445	0.00	12.49	3.6	35

Sampling Activities

Sampling Date/Time: 2-09-22/ 9:13

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 12 gallons was removed during sample activites.

Name of Sampler(s): Don Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Rain, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-25 (R) S	**Gauge Time:** 11:05
Gauge Date: 2/07/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.30
C. Liquid Depth (ft.) [A - B]:	13.42
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	2.28

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	35
Purge Rate (gpm):	0.40

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	11:07	5.96	0.534	0.00	7.94	26.9	73
	11:12	6.04	0.533	0.00	8.02	17.4	67
	11:17	6.09	0.530	0.00	8.04	16.2	70
	11:22	6.03	0.533	0.00	8.01	13.7	71
	11:27	6.00	0.532	0.00	8.05	13.4	70
	11:32	5.97	0.534	0.00	8.06	13.2	68
	11:37	5.92	0.533	0.00	8.07	13.3	70
Purge end	11:42	5.89	0.533	0.00	8.08	13.2	72

Sampling Activities

Sampling Date/Time: 2-07-22/ 11:50

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 4 gallons was removed during sample activates.

Name of Sampler(s): Don Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-25 (R) D	**Gauge Time:** 9:25
Gauge Date: 2/08/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	7.45
C. Liquid Depth (ft.) [A - B]:	19.09
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.25

Table 1	
Well Volume/ft.	
Well Dia.	gal/ft.
1.5-in.	0.09
2-in.	0.17
4-in.	0.65
6-in.	1.47
8-in.	2.61

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	60
Purge Rate (gpm):	0.26

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	9:25	7.26	0.493	1.64	13.66	1.6	36
	9:35	7.31	0.480	0.80	14.01	0.0	17
	9:45	7.32	0.481	1.04	14.03	1.1	13
	9:55	7.32	0.475	1.07	14.03	1.4	8
	10:05	7.34	0.478	0.95	13.95	0.3	5
	10:15	7.33	0.476	0.92	13.98	1.1	6
Purge end	10:25	7.32	0.476	0.94	13.96	0.7	5

Sampling Activities

Sampling Date/Time: 2-08-22/ 10:25

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL

1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 18 gallons was removed during sample activates.

Name of Sampler(s): Don Tesioriero

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-30S	**Gauge Time:** 10:43
Gauge Date: 2/08/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	22.55
B. Depth to Water (ft.):	6.61
C. Liquid Depth (ft.) [A - B]:	15.94
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	2.71

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins): 10

Purge Rate (gpm): 0.40

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable. The well pumped dry during purge activities. Well was allowed to recharge close to static water depth before sample was collected. Approximately one hour.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	10:45	6.27	1.100	1.53	9.70	395	54
Purge end	10:55	6.21	1.080	1.49	9.90	180	61

Sampling Activities

Sampling Date/Time: 2-08-22/ 12:00

Inventory of Sampling Containers: 2 x 40mL VOAs with HCL

1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative

Description of Groundwater: Pre-purge cloudy, post-purge clear

Comments & Observations: A total of 3 gallons was removed during sample activates.

Name of Sampler(s): Sam Schrage

EnviroTrac
Environmental Services

Monitoring Well Sampling Log

Site Name: Crown Dykman	**Weather:** Sunny, Cold
Site Number: 130054	**Well Condition:** Good
Well ID: MW-30 D	**Gauge Time:** 10:52
Gauge Date: 2/08/22	**Reference Point:** TOC
Sounding Method: Interface Probe	**Well Diameter (IN.):** 2

Calculation of Well Volume

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	9.11
C. Liquid Depth (ft.) [A - B]:	20.88
D. Well Vol./ft. (see Table 1):	0.17
E. Well Volume (gal.) [C x D]:	3.55

Table 1

Well Volume/ft.	
Well Dia.	**gal/ft.**
1.5-in.	**0.09**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**

Purging Activities

Purge Method: Peristaltic pump, polyethylene tubing run by generator.

Purge Time (mins):	15
Purge Rate (gpm):	1.30

Description of activity (i.e. - visual observation of water quality, did well pump dry)

Well was pumped until at least three well volumes was removed and all readings were stable.
The well did not pump dry during purge activities.

Water Quality Parameters

	Time	pH	Cond.	D.O.	Temp.	Turbidity	ORP.
Purge start	10:55	7.46	0.467	0.24	14.20	3.5	34
	11:00	7.46	0.469	0.22	14.22	3.2	32
	11:05	7.47	0.467	0.16	14.20	2.3	30
Purge end	11:10	7.47	0.465	0.14	14.19	2.3	29

Sampling Activities

Sampling Date/Time: 2-08-22/ 11:15
Inventory of Sampling Containers: 2 x 40mL VOAs with HCL
1 X 500mL plastic HNO3, 1 X 500mL plastic none preservative, 2 X 250mL plastic none preservative
Description of Groundwater: Pre-purge cloudy, post-purge clear
Comments & Observations: A total of 11 gallons was removed during sample activates.

Name of Sampler(s): Don Tesioriero

EnviroTrac
Environmental Services

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054

Date: 6/7/22

Techs: MF/PL

Start Time: 0630

End Time: 1500

Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter

									[check units on YSI and confirm that parameter is in the correct units]							
WELL ID	Well Size (inches)	PID HEADSPACE READING (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (~~uS/cm~~ OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-21S	2.0	.7	12.10	1.67	10.48	1.83	~~0~~ 1.5	0915	1.38	17.71	6.11	30.	.268	139.		
							1.25	0920	1.14	17.20	6.17	24.	.275	57.8		
							2.0	0925	.95	16.97	6.30	18.	.279	14.3	NO	
MW-25S R	2.0	3.7	16.65	3.70	12.95	2.26	Ø									
				4.09			.5	1015	.31	16.20	6.29	84.	.526	1.8		
				4.10			1.25	1023	1.00	15.50	6.16	369.	.535	21.4		
				4.14			2.25	1028	1.77	15.26	6.05	354	.341	29.7	NO	
MW-25D R	2.0	1.1	26.42	6.52	19.90	3.48	.5	1045	1.32	14.83	6.11	-43.	.638	Ø		CRYSTAL CLEAR
				7.38			2.25	1057	2.77	13.65	6.15	-79.	.789	Ø		"
				7.42			3.50	1102	2.31	13.70	6.98	-112.	.958	Ø	NO	"
MW-30D	2.0	8.06	29.88	7.65	22.23	3.89	~~0~~ 1.0	1125	1.08	13.91	6.80	-80.	.988	Ø		"
							2.0	~~0~~ 1133	.81	14.20	6.84	-75	1.15	Ø		"
							3.75	~~0~~ 1138	.79	13.34	6.83	-75	1.19	.3	NO	"

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

Record DO & ORP but DO NOT use for stability

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

No purple color detected in any wells during GWS

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054

Date: 6/7/22 MF/PL

Techs:

Start Time: 0630

End Time: 1500

Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter

WELL ID	Well Size (inches)	PID HEADSPACE READING (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	[check units on YSI and confirm that parameter is in the correct units] DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-30S	2.0	15.2	21.38	8.28	13.10	2.29										POOR Recharge
				9.98			5	1155	2.40	15.05	6.77	-27	1.10	Ø	NO	CRYSTAL CLEAR
				11.23			1.75	1230	4.03	13.16	6.98	-43	1.33	3.1	NO	POOR Recharge
				17.50			Poor Recharge									

POOR RECHARGE: UNABLE TO COLLECT ALL DATA.

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

Record DO & ORP but DO NOT use for stability

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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No purple color detected in any wells during GWS

[as of 6/3/2022]

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054

Date: 6/8/22

Techs: MF/MJM

Start Time: 0630

End Time:

Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter

WELL ID	Well Size (inches)	PID HEADSPACE READING (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	[check units on YSI and confirm that parameter is in the correct units] DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-21D	2.0	3.5	20.50	2.68	17.82	3.11	X	0840								
				3.21			1.75	0850	3.85	16.73	6.50	126.	.779	87.5		
				7.50			2.5	0857	4.65	17.09	6.29	146.	.728	72.3		
							4.0	0910	2.97	18.67	6.38	152.	.729	800!	YES	+1
MW-22RS	2.0	.9	21.12	3.05	~~0915~~ 0907	3.16	X	0915								
				3.68	~~0924~~		.5	0915	1.76	14.68	6.43	-92	.921	51.1		
				4.11	~~0930~~		1.5	0919	1.73	14.36	6.41	-96	.882	35.1		
				8.73			2.5	0923	2.07	14.30	6.33	-95	.870	52.8		
				8.87			~~3.25~~	0934	1.78	14.73	6.32	-106	.694	208.	Yes	+1
MW-22RD	2.0	.4	30.90	4.32	25.92	4.53	X	1010								
				4.48			.75	1014	1.16	15.30	6.27	-81	.760	257.		
				4.49			2.00	1019	.68	15.11	6.12	-82	.773	109.		
				4.48			~~3.25~~	1023	.62	15.08	6.09	-84	.766	37.2	!	
				4.48			~~4.25~~	1025	.58	15.00	6.08	-84	.765	23.4	No	

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

Record DO & ORP but DO NOT use for stability

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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No purple color detected in any wells during GWS

Groundwater Sampling Sheet: Stabilization Purge Method

Site: GC GG

Date: 8 JAN 22

Techs: MF/MJM

Start Time: 0630

End Time: 1500

Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter

WELL ID	Well Size (inches)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	[check units on YSI and confirm that parameter is in the correct units] DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	PID VALUE (ppm) NOTES
W-7RS	2.0	19.30	8.02	11.28	1.97	Ø	1110							34.3 ppm
			8.28			.5	1118	3.14	14.79	6.27	77.	.822	Ø	NO FILTERED NEEDED
			8.67			1.0	1125	1.56	15.09	6.24	89.	.800	Ø	
			8.71			2.85	1129	1.18	15.07	6.24	96.	.796	Ø	
W-7RD	2.0	22.80	8.22	14.48	2.53	Ø	1150	2.19	15.05	7.26	57.	.792	611	4.2 ppm
			10.68			.5	1210	1.67	1480	7.30	55.	.733	265	
			12.89			1.0	1213							
			16.87			2.75	1225	2.20	14.66	7.36	52.	.716	151	*Field filter collected for dissolved metals

Well Size (inches)	0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes	0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume	0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

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No purple color detected in any wells during GWS

MS/MSD sample collected at MW-7RD

0945 • 1030 • 1145 • 1215 •
23S 23D MW-1D MW-1DD

1245
MW-1X

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054
Start Time: 0933
End Time: 1245
Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter
Date: 6/10/22
Techs: MF/MJM

[check units on YSI and confirm that parameter is in the correct units]

WELL ID	Well Size (inches)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	PID Value (ppm) NOTES/COLOR
MW-23S	2.0	11.63	2.40	9.23	1.61		0937	1.13	14.52	6.01	-54	.560	60.4		10.3 PPM
			3.75			1.5	0938	.91	14.12	6.02	-60	.519	10.5		
			3.84			1.75	0941	.80	14.05	6.06	-861	.515	9.9	NO	
~~MW-23D~~	~~2.0~~	~~19.08~~	~~3.42~~	~~17.66~~	~~3.09~~		~~0933~~	~~1.13~~	~~14.53~~	~~6.01~~	~~-54~~	~~.560~~	~~60.4~~		~~19.4 PPM~~
MW-23D	2.0	19.08	3.42	17.66	3.09	.5	1002	7.97	15.94	6.15	29	.705	70.6		19.4 PPM
			3.79			1.25	1006	7.26	15.55	6.18	39.	.714	49.3		
			4.87			1.75	1010	11.48	15.29	6.21	55.	754	40.4		
			4.95			3.00	1018	1.19	14.91	6.42	70.	.729	8.2	NO	
MW-1D	2.0	24.20	3.47	20.73	3.62										4.8 ppm
			3.68			1.00	1132	1.36	14.02	6.60	-75.	.665	3.6		
			3.67			2.00	1135	.88	13.90	6.38	-57.	.760	5.1		
			3.68			3.50			13.86	6.47	-51	.783	Ø	NO	CRYSTAL CLEAR
~~MW-1S~~	2.0	32.65	3.78	28.87	5.05										6.7 PPM
MW-1DD			~~3.58~~					~~2.21~~	~~14.03~~	~~6.91~~	~~-69~~	~~819~~	~~18.7~~		
			4.33			1.00	1156								
			4.37			2.50	1203	.85	14.15	6.92	-26	625.	102.		
			4.39			~~3.50~~	1208	.86	14.16	6.90	-26	613.	~~89.~~	Yes	1+1

Well Size (inches)	0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume	0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume	0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:
Conductance (3%)
temperature (3%)
pH +/- 0.1 units
Record DO & ORP but DO NOT use for stability

Guidelines for Field Screening Values:
pH range = 5 - 9
Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)
DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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MW-1DD
MW-1DD DUPED AS "MW-X 06102022"
Note: Duplicate sample incudes field filtered sample for dissolved metals

No purple color detected in any wells during GWS
Field duplicate sample collected at MW-1DD

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054

Date: 6/10/22

Techs: MF/MJM

Start Time: 0630

End Time: 1500

Equipment: Generator 2000i, Geopump, PID, Horiba U-52, Turbidity Meter, and water level meter

PID VALUE (ppm)

								[check units on YSI and confirm that parameter is in the correct units]							
WELL ID	Well Size (inches)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-1	2.0	4.26	*		.75*	.5	1230	3.24	16.62	6.84	-13.	.617	651.		ø head space
			*		~~.75~~	1.50	1235	3.75	17.54	6.73	-12.	.635	587.	~~No~~	"
			*												

*Poor recharge in monitoring well, did not have enough water to collect field filter for dissolved metals

Well Size (inches)	0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume	0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume	0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

* using DTW of ø'. WATER LEVEL NEVER WENT BELOW TOP OF CASING.

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

No purple color detected in any wells during GWS

[as of 6/9/2022]

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054

Date: 9/21/22

Techs: RC/BV

Start Time: 06:30

End Time: 1500

Equipment: Spectra Peristaltic pump, PID, Horiba U-52, and water level meter

[check units on YSI and confirm that parameter is in the correct units]

WELL ID	Well Size (inches)	PID headspace reading (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-23D	2	7.7	19.25	3.98	15.27	2.67	1.0	9:53	3.45	19.73	7.13	51	423	0.0	NO	NONE
D				4.00			2.0	10:02	1.01	18.12	7.06	67	448	0.0	NO	YELLOW
D				4.01			3.0	10:11	0.88	18.00	6.92	70	459	0.0	NO	DARK YELLOW
MW-23S	2	5.5	11.75	3.33	8.42	1.47	1.0	10:29	1.12	20.57	6.88	19	700	0.0	NO	LIGHT YELLOW
S				3.34			1.5	10:34	0.79	20.04	6.77	29	781	0.0	NO	YELLOW
S				3.32			2.0	10:39	0.92	19.98	6.69	34	814	0.0	NO	YELLOW
MW-1D	2	1.2	24.20	4.02	20.18	3.53	1.0	11:11	0.84	17.84	6.98	88	554	0.0	NO	COLORLESS
				4.02			2.0	11:20	0.82	17.41	6.97	87	758	0.0	NO	"
				4.03			4.0	11:38	0.60	16.88	6.88	81	839	0.0	NO	"
MW-30S	2	5.3	21.40	5.39	16.01	2.80	1.0	12:17	1.54	20.18	7.33	-25	888	7.7	NO	" & POOR RECHARGE
S				5.41			2.0	12:26	0.85	20.07	7.14	20	872	12.2	NO	"
S							3.0	12:48	0.69	18.05	6.97	32	840	9.8	NO	"

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabillization

Tolerance for stability:

Conductance (3%)

temperature (3%)

pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

MW-1D = MW-X Dupe

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

22I502

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC
Address: 225 Atlantic Ave
Phone: 631-447-6400 x155
Project Name: Crown Dykman
Project Location: Glen Cove, NY
Project Number: NYSDEC Site # 130054
Project Manager: Trisha Vicale
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-asmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	VOCs 8260C	SVOCs 8270D	TAL Metals 6010D	8260C	Total Phosphorus 365.4										
								2	2	1	1	1										
								H	H	N	X	N										
								V	A	P	P	P										
1	MW-23D09212022	9/21/22	10:11		X	GW	U	X	X	X	X	—										
2	MW-23S09212022		10:39									—										
3	MW-1D09212022		11:38									—										
4	MW-30S09212022		12:48									—										
5	MW-X09212022	↓	—		↓	↓	↓	↓	↓	↓	↓	—										

ANALYSIS REQUESTED

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	9/21/22 15:00
Received by: (signature) EAR FRIDGE	Date/Time: 9/21/22 15:00
Relinquished by: (signature)	Date/Time: 9/22/22 1202
Received by: (signature)	Date/Time: 9-22-22
Relinquished by: (signature)	Date/Time: 9/22/22 1545
Received by: (signature)	Date/Time: 9/22/22 1800

3S, 3.0, 4.1 9/24 931

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

4.2

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:
NELAC and AIHA-LAP, LLC Accredited

Other:
Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054
Date: 9/22/22
Techs: RC/BV

Start Time: 06:15
End Time: 1500

Equipment: Spectra Peristaltic Pump; PID, Horiba U52 + Water level meter

[check units on YSI and confirm that parameter is in the correct units]

WELL ID	Well Size (inches)	PID headspace reading (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-RS	2	5.8	19.35	7.77	11.58	2.027	1.00	9:09	1.89	21.02	7.06	120	801	0.0	—	COLORLESS
RS				7.80			2.00	9:18	1.23	21.01	6.90	121	802	0.0	—	"
RS				7.78			2.50	9:27	0.77	20.98	6.75	123	805	0.0	NO	"
MW-7D	2	1.2	22.90	8.25	14.65	2.56	1.00	9:56	5.63	20.27	7.40	12	725	0.0	—	"
D				8.26			2.00	10:05	3.75	19.71	7.47	7	732	0.0	—	"
D				8.26			3.00	10:14	1.07	19.18	7.53	~37	724	7.2	NO	"
MW-30D	2	4.8	29.97	8.00	21.97	3.84	1.00	11:33	6.12	19.34	7.40	488	860	28.2	—	PURPLE
							2.00	11:42	3.75	17.55	7.24	492	888	24.0	—	Purple
							4.00	12:00	1.11	16.48	7.32	447	862	22.8	—	Purple

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:
Conductance (3%)
temperature (3%)
pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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MW-7D MS/MSD

Pace Analytical

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

22I1499

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC

Address: 335 Atlantic Ave

Phone: 631-447-6400 x155

Project Name: Crown Lyckman

Project Location: Glen Cove, NY

Project Number: NYSDEC SWF # 130054

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-asmt.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260C	SVOCs 8270D	TAL Metals 6010D	Cyanide 9014	Dissolved TAL Metals 6010D
1	MW-7BS-092222022	9/22/22	9:27		X	GW	U	X	X	X	X	—
2	MW-7D-092222022		10:25									—
1	MW-7D-092222022-MS		10:25									—
—	MW-7D-092222022-MSD		10:25									—
3	MW-30D-092222022		12:00									—

# of Containers	2	2	1	1	1
[2] Preservation Code	H	H	N	X	N
[3] Container Code	V	A	P	P	P

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salonia (NYSDEC), Tracy Salvati (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	9/22/22 15:00
Received by: (signature)	Date/Time:
EAR Fridge	9/22/22 15:00
Relinquished by: (signature)	Date/Time:
	9/23/22 1130
Received by: (signature)	Date/Time:
	9/23/22 11:30
Relinquished by: (signature)	Date/Time:
	9/23/22 1800
Received by: (signature) 2.2 2.0 3.1	Date/Time: 9/24 931

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054 | Start Time: | Equipment: Spectra peristaltic pump, PID, Horiba U-52 and water level meter

Date: 9/23/22 | End Time:

Techs: RC/BV

WELL ID	Well Size (inches)	PID headspace reading (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	[check units on YSI and confirm that parameter is in the correct units] DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-25RS	2	6.5	16.69	5.29	11.40	1.995	2.00	9:33	4.15	19.03	7.29	375	770	45.9	—	LIGHT BROWN
RS	2			5.32			1.50	9:41	1.78	17.45	7.25	408	830	40.9	—	NONE
RS	2			5.32			2.00	9:49	1.05	16.40	7.20	418	824	37.8	NO	NONE
MW-23D	2	5.8	26.48	7.04	19.44	3.402	0.50	10:22	1.77	17.81	7.32	363	804	0.0	—	COLORLESS
							2.50	10:31	1.40	16.59	7.20	357	839	0.0	—	"
							3.50	10:40	0.98	16.20	7.01	432	851	0.0	NO	COLORLESS
MW-24S	2	2.7	12.61	2.95	9.66	1.69	1.00	11:10	2.90	20.05	6.98	129	644	37.5	—	MUD
S							1.50	11:15	0.89	19.59	6.75	145	685	10.2	—	NONE
S							2.00	11:20	0.80	19.22	6.63	168	692	3.3	NO	NONE
MW-21D	2	13.3	20.67	4.03	16.64	2.712	1.00	11:47	2.12	18.63	6.90	206	583	0.0	—	
							2.00	11:56	1.18	17.55	6.87	212	612	0.0	—	
							3.00	12:05	0.70	16.97	6.85	229	634	0.0	NO	COLORLESS
MW-22RS	2	7.1	20.90	3.35	17.55	3.07	1.00	12:40	2.52	19.20	6.92	208	613	0.0	—	
							2.00	12:56	1.75	18.01	6.82	220	629	0.0	—	
							3.50	13:20	0.81	17.04	6.77	245	672	0.0	—	LIGHT YELLOW

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

MW-21S → D.O. 1.19, 0.89, 0.80

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:
Conductance (3%) ±20
temperature (3%)
pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

Guidelines for Field Screening Values:

pH range = 5 - 9

Temperature range = 10 - 19 (except for VERY warm days - please try to keep purge container cool/shaded area)

DO range = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

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22I1637

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC

Address: 325 Atlantic Ave

Phone: 631-447-6400 x155

Project Name: Crown Dykman

Project Location: Glen Cove, NY

Project Number: NYSDEC Site # 130054

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@envirosmh.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260	SVOCs 8270	TAL Metals (Soil)	Cyanide	Dissolved TAL Metals (Water)
1	MW-25RS-09232022	9/23	9:49		X	GW	U	X	X	X	X	—
2	MW-25RD-09232022		10:40									—
3	MW-21S-09232022		11:20									—
4	MW-21D-09232022		12:05									—
5	MW-22RS-09232022	↓	13:20		↓	↓	↓	↓	↓	↓	↓	—

# of Containers	2	2	1	1	1
[2]Preservation Code	H	H	N	X	N
[3]Container Code	V	A	P	P	P

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
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V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salvatti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Matt A. Citta	9/23/22 15:00
Received by: (signature)	Date/Time:
ENC FRIDGE	9/23/22 15:00
Relinquished by: (signature)	Date/Time:
William A. Vigliotta (EAR Courier)	9/26/22 11:15
Received by: (signature)	Date/Time:
	9/26/22 11:15
Relinquished by: (signature)	Date/Time:
	9/26/22 1800
Received by: (signature)	Date/Time:
2.0/2.2	9/27 9AM

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
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☐ NY Regs Hits-Only EDD
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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

Groundwater Sampling Sheet: Stabilization Purge Method

Site: CROWN DYKMAN (DEC-GLENCOVE66) NYSDEC #130054
Start Time: 06:30
Equipment: Spectra peristaltic pump, PID, Horiba U-52 and water level meter

Date: 9/26/22
End Time:

Techs: RC/BV

WELL ID	Well Size (inches)	PID headspace reading (PPM)	Total Well Depth (ft.)	Depth to Water (ft.)	Length of Column (ft.)	One Standing Water Well Volume (gal.)	Total Gallons Purged (gal.)	Time Sampled (hh:mm)	[check units on YSI and confirm that parameter is in the correct units] DO (mg/L)	Temp. (°C)	pH	ORP (mV)	Conductance (uS/cm OR mS/cm)	Turbidity (NTU)	Field filter performed (YES or NO)	NOTES/COLOR
MW-22RD	2	6.3	30.29	4.59	25.70	4.497	1.0	9:02	0.49	17.21	6.24	-102	685	0.0	—	COLORLESS
RD							2.5	9:12	0.37	16.85	6.18	-99	687	0.0	—	"
RD							5.0	9:25	0.28	16.27	5.93	-89	692	2.7	NO	"
MW-1DD	2	5.7	32.59	4.15	28.44	4.977	1.0	11:20	0.98	16.50	6.88	-20	721	8.9	—	"
							2.5	11:30	0.47	16.22	6.50	-4	729	7.6	—	"
							5.0	11:44	0.32	15.85	6.33	-27	740	0.0	NO	COLORLESS
MW-1	2	3.2	0.2	4.00	3.90	.6825	1.0	12:35	2.04	19.00	6.92	-40	848	24.5	NO	~~COLORLESS~~ LIGHT YELL

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volume		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:
Conductance (3%)
temperature (3%)
pH +/- 0.1 units

*Record DO & ORP but **DO NOT** use for stability*

Guidelines for Field Screening Values:

pH range = 5 - 9

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• MW-22RD = MW-Y DUPE

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Minneapolis, MN 55414

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: Environmental Ass. + Rem. / NYSDEC

Address: 225 Atlantic Ave

Phone: (631-447-6400 x155

Project Name: Crown Dykman

Project Location: Glen Cove, NY

Project Number: NYSDEC Site # 130054

Project Manager: Trisha Vicale

Pace Analytical Quote Name/Number

Invoice Recipient:

Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: NYSDEC + Arcadis EDD
CLP Like Data Pkg Required: ☐
Email To: vicale@enviro-asmt.com
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	VOCs 8260D	SVOCs 8270D	TAL Metals 6010D	Cyanide 9012B	Dissolved TAL Metals 6010D							
1	MW-22RD-09262022	9/26	9:25		X	GW	U	X	X	X	X	—							
2	MW-1DD-09262022		11:44									—							
3	MW-1-09262022		12:35									—							
4	MW-Y-09262022		—									—							

[2] Preservation Code: 2 2 1 1 1
[3] Container Code: H H N X N
V A P P P

# of Containers

ANALYSIS REQUESTED

Dissolved Metals Samples
☒ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
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T = Sodium Thiosulfate
O = Other (please define)

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T = Tedlar Bag
O = Other (please define)

Comments: CAT B deliverables, NYSDEC EQuIS EDDs, Arcadis EDDs. Email deliverables to: Trisha Vicale (EAR), Samantha Salotto (NYSDEC), Tracy Salvitti (EAR), and Greg Mann (EAR)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Relinquished by: (signature): 9/26/22 15:00
Received by: (signature): EAR FREDGE 9/26/22 15:00
Relinquished by: (signature): 9-27-22/11:50
Received by: (signature): 9/27/22 11:50
Relinquished by: (signature): [illegible] 9/27/22 1800
Received by: (signature): 3.4°C 9/28 922

Program / Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

Appendix C

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 40

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:27	8.03	0.615	16.16	0.00	12	N	0.001
Mid-Purge	12:29	8.00	0.583	15.56	0.00	30	N	0.001
Post-Purge	12:32	7.99	0.571	15.43	0.00	35	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.25
C. Liquid Depth(ft.)[A-B}:	21.10
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	1:05	7.60	0.606	11.89	2.05	73	N	0.000
Mid-Purge	1:10	7.65	0.634	11.84	2.19	57	N	0.004
Post-Purge	1:15	7.69	0.637	11.87	2.16	49	N	0.003

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.76
C. Liquid Depth(ft.)[A-B}:	28.96
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:32	6.58	0.501	14.41	1.14	89	N	0.000
Mid-Purge	12:42	6.64	0.498	14.42	0.77	99	N	0.000
Post-Purge	12:48	6.66	0.502	14.49	0.59	93	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.73
C. Liquid Depth(ft.)[A-B}:	11.70
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.99
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:25	7.95	0.533	11.44	0.60	88	N	0.030
Mid-Purge	13:29	7.84	0.530	11.52	0.30	103	N	0.000
Post-Purge	13:35	7.81	0.527	11.73	0.13	117	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.84
C. Liquid Depth(ft.)[A-B}:	15.16
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:22	7.63	0.417	12.39	5.82	136	N	0.871
Mid-Purge	13:28	7.31	0.422	12.69	2.41	144	N	0.750
Post-Purge	13:32	7.12	0.428	13.15	1.18	148	N	0.201

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-21S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.40
C. Liquid Depth(ft.)[A-B}:	10.78
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.83
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:28	5.34	0.433	10.58	0.62	55	N	0.800
Mid-Purge	11:33	5.22	0.444	10.60	0.34	60	N	0.675
Post-Purge	11:38	5.17	0.444	10.61	0.19	62	N	0.557

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.55
C. Liquid Depth(ft.)[A-B}:	17.90
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.04
F. Three Well Vols [E*3]:	9.13

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:28	7.87	0.504	12.64	3.24	127	N	0.002
Mid-Purge	11:33	7.79	0.502	12.52	2.71	131	N	0.002
Post-Purge	11:38	7.75	0.502	12.46	2.59	134	N	0.003

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.55
C. Liquid Depth(ft.)[A-B}:	10.63
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.40

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:45	7.84	0.578	12.16	1.8	-38	N	0.002
Mid-Purge	11:50	7.88	0.531	11.83	1.72	-34	N	0.002
Post-Purge	11:55	7.91	0.521	11.46	1.61	-29	N	0.010

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-22D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.06
C. Liquid Depth(ft.)[A-B}:	26.34
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.48
F. Three Well Vols [E*3]:	13.43

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 14 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:45	4.84	0.617	11.97	0.00	45	N	0.000
Mid-Purge	11:57	4.95	0.680	13.21	4.44	27	N	0.000
Post-Purge	11:59	5.09	0.688	13.23	4.96	17	N	0.000

Description of groundwater: Clear

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	1.74
C. Liquid Depth(ft.)[A-B}:	9.96
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.70
F. Three Well Vols [E*3]:	5.10

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:59	7.71	0.444	12.44	2.43	84	N	0.001
Mid-Purge	13:03	7.7	0.420	11.90	2.47	93	N	0.005
Post-Purge	13:05	7.67	0.418	11.63	2.46	100	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/2022

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-23D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.41
C. Liquid Depth(ft.)[A-B}:	15.84
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:56	7.81	0.749	14.06	1.70	69	N	0.000
Mid-Purge	1:01	7.74	0.748	14.08	1.58	74	N	0.000
Post-Purge	1:06	7.68	0.747	14.06	1.45	79	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.76
C. Liquid Depth(ft.)[A-B}:	12.96
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.20
F. Three Well Vols [E*3]:	6.60

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:19	7.81	0.482	9.40	0.17	46	N	0.000
Mid-Purge	10:24	7.57	0.476	9.07	0.00	60	N	0.000
Post-Purge	10:29	7.49	0.475	9.01	0.00	65	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.39
C. Liquid Depth(ft.)[A-B}:	20.15
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.42
F. Three Well Vols [E*3]:	10.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:22	6.18	0.548	12.58	2.24	-33	N	0.000
Mid-Purge	10:27	5.42	0.541	13.06	0.71	-34	N	0.000
Post-Purge	10:32	5.8	0.542	13.18	0.37	-34	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/14/22

SITE NUMBER: 130054 **WEATHER:** Sunny 45

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.20
C. Liquid Depth(ft.)[A-B}:	22.79
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.90
F. Three Well Vols [E*3]:	11.62

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:58	7.92	0.697	13.51	0.45	-24	N	0.013
Mid-Purge	10:04	7.88	0.693	13.57	0.41	-15	N	0.000
Post-Purge	10:08	7.86	0.691	13.6	0.37	-10	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/14/22

SITE NUMBER: 130054

WEATHER: Sunny 45

WELL ID: MW-30S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.51
C. Liquid Depth(ft.)[A-B}:	13.95
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.11

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:03	6.38	0.915	10.09	1.44	139	N	0.000
Mid-Purge	10:07	6.16	0.924	9.68	0.29	145	N	0.000
Post-Purge	10:13	6.14	0.925	9.5	0.19	145	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.0

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:30	7.98	0.577	11.67	0.00	31	N	0.000
Mid-Purge	9:33	7.97	0.58	11.61	0.00	28	N	0.000
Post-Purge	9:35	8	0.592	11.82	0.00	21	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.21
C. Liquid Depth(ft.)[A-B}:	21.14
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:43	7.62	0.626	11.46	2	41	N	0.000
Mid-Purge	9:50	7.66	0.623	11.52	1.98	52	N	0.005
Post-Purge	9:56	7.67	0.621	11.60	1.92	57	N	0.002

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.71
C. Liquid Depth(ft.)[A-B}:	29.01
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:02	6.71	0.506	12.01	1.01	88	N	0.000
Mid-Purge	10:08	6.69	0.503	12.12	0.97	79	N	0.000
Post-Purge	10:17	6.68	0.501	12.16	0.77	92	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.70
C. Liquid Depth(ft.)[A-B}:	11.73
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:28	7.81	0.522	11.46	0.86	81	N	0.002
Mid-Purge	10:33	7.77	0.518	11.77	0.91	88	N	0.001
Post-Purge	10:38	7.72	0.526	11.81	0.71	102	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.79
C. Liquid Depth(ft.)[A-B}:	15.21
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:40	7.67	0.411	11.78	1.06	141	N	0.016
Mid-Purge	10:45	7.51	0.418	11.66	1.12	157	N	0.009
Post-Purge	10:50	7.4	0.42	11.81	1.22	162	N	0.010

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-21S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.50
C. Liquid Depth(ft.)[A-B}:	10.68
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 8 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 8

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:25	5.27	0.468	11.01	0.71	81	N	0.060
Mid-Purge	11:28	5.16	0.412	10.96	0.62	77	N	0.301
Post-Purge	11:33	5.31	0.41	10.81	0.55	68	N	0.282

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.49
C. Liquid Depth(ft.)[A-B}:	17.96
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.05
F. Three Well Vols [E*3]:	9.15

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:08	7.77	0.501	12.61	2.01	118	N	0.005
Mid-Purge	11:13	7.81	0.506	12.32	1.98	121	N	0.003
Post-Purge	11:20	7.82	0.505	12.28	1.9	127	N	0.003

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.60
C. Liquid Depth(ft.)[A-B}:	10.68
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.40

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:22	7.77	0.562	12.11	0.91	-61	N	0.006
Mid-Purge	12:26	7.86	0.581	12.21	0.76	-57	N	0.018
Post-Purge	12:33	7.81	0.539	12.06	0.81	-38	N	0.010

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/15/22

SITE NUMBER: 130054

WEATHER: Sunny 48

WELL ID: MW-22D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.00
C. Liquid Depth(ft.)[A-B}:	26.40
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.48
F. Three Well Vols [E*3]:	13.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:40	4.04	0.598	12.06	0.61	47	N	0.016
Mid-Purge	12:50	4.86	0.617	12.21	0.98	63	N	0.003
Post-Purge	12:55	5.15	0.638	11.98	1.16	51	N	0.001

Description of groundwater: Slight purple tinge noted in water.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	1.70
C. Liquid Depth(ft.)[A-B}:	10.00
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.70
F. Three Well Vols [E*3]:	5.10

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 8 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 8

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:02	7.70	0.408	12.26	1.67	181	N	0
Mid-Purge	13:05	7.82	0.476	12.08	1.71	126	N	0.009
Post-Purge	13:10	7.87	0.477	11.91	0.98	103	N	0.016

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/2022

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-23D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.39
C. Liquid Depth(ft.)[A-B}:	15.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:22	7.76	0.671	12.26	1.68	71	N	0.000
Mid-Purge	13:28	7.22	0.688	12.31	1.71	82	N	0.000
Post-Purge	13:32	7.61	0.709	12.08	1.39	94	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.71
C. Liquid Depth(ft.)[A-B}:	13.01
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.20
F. Three Well Vols [E*3]:	6.65

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:45	7.71	0.471	10.02	0.07	38	N	0.000
Mid-Purge	11:50	7.06	0.468	10.12	0.18	57	N	0.000
Post-Purge	11:55	7.22	0.477	10.09	0.09	62	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.43
C. Liquid Depth(ft.)[A-B}:	20.11
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.42
F. Three Well Vols [E*3]:	10.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:02	6.71	0.538	12.26	1.18	-81	N	0.000
Mid-Purge	12:10	6.39	0.547	12.77	0.97	-77	N	0.000
Post-Purge	12:13	6.16	0.561	12.91	0.86	-69	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.17
C. Liquid Depth(ft.)[A-B}:	22.82
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.90
F. Three Well Vols [E*3]:	11.64

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	14:14	7.47	0.701	12.26	0.98	-12	N	0.001
Mid-Purge	14:18	7.71	0.772	12.31	0.71	-18	N	0.026
Post-Purge	14:24	7.86	0.721	12.18	0.68	-21	N	0.018

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/15/22

SITE NUMBER: 130054 **WEATHER:** Sunny 48

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.59
C. Liquid Depth(ft.)[A-B}:	13.87
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.11

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:55	7.17	0.791	11.18	1.06	218	N	0.000
Mid-Purge	14:00	7.00	0.815	11.77	0.98	191	N	0.000
Post-Purge	14:05	7.10	0.821	11.10	0.62	187	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-1

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.0

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:32	8.64	0.636	9.64	0.07	24	N	0.000
Mid-Purge	11:35	8.54	0.64	9.46	0.00	30	N	0.000
Post-Purge	11:37	8.47	0.634	9.42	0.64	35	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.41
C. Liquid Depth(ft.)[A-B}:	20.94
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:17	7.92	0.533	12.01	3.96	122	N	0.000
Mid-Purge	13:22	8.00	0.642	10.50	4.47	77	N	0.000
Post-Purge	13:27	8.09	0.652	10.56	4.41	63	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.92
C. Liquid Depth(ft.)[A-B}:	29.00
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:28	8.65	0.438	15.58	6.52	-36	N	0.000
Mid-Purge	11:35	8.92	0.436	15.54	6.53	-39	N	0.000
Post-Purge	11:42	9.08	0.436	15.53	6.48	-37	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.88
C. Liquid Depth(ft.)[A-B}:	11.55
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:49	8.82	0.535	11.8	1.90	81	N	0.000
Mid-Purge	9:54	8.44	0.535	11.87	1.38	91	N	0.000
Post-Purge	9:59	8.35	0.535	11.87	1.35	95	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman
DATE: 3/16/22
SITE NUMBER: 130054
WEATHER: Sunny 60
WELL ID: MW-7(R)D
WELL DIAMETER (IN.): 2
WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.79
C. Liquid Depth(ft.)[A-B}:	15.12
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.
Purge Time: 10 Miniuets.
Purge Rate (gpm): 1.0
Purge Volume (gal): 10
Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:53	8.02	0.456	12.48	1.04	112	N	0.004
Mid-Purge	9:58	8.16	0.433	12.68	0.94	110	N	0.001
Post-Purge	10:03	8.25	0.427	12.73	0.94	108	N	0.000

Description of groundwater: Clear.
Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-21S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.50
C. Liquid Depth(ft.)[A-B}:	10.47
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 8 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 8

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:32	7.92	0.435	10.94	1.65	70	N	0.800
Mid-Purge	10:36	7.88	0.431	10.94	1.45	73	N	0.800
Post-Purge	10:40	7.86	0.428	10.95	1.23	75	N	0.800

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-21D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.56
C. Liquid Depth(ft.)[A-B}:	18.05
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.10
F. Three Well Vols [E*3]:	9.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:27	7.76	0.558	12.27	0.68	24	N	0.053
Mid-Purge	10:32	7.84	0.556	12.34	8.72	32	N	0.056
Post-Purge	10:37	7.83	0.555	12.32	8.5	35	N	0.067

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-22S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	2.94
C. Liquid Depth(ft.)[A-B}:	8.24
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.40
F. Three Well Vols [E*3]:	4.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:47	7.87	0.532	13.19	8.02	-32	N	0.000
Mid-Purge	10:50	7.93	0.534	13.04	8.26	-32	N	0.000
Post-Purge	10:52	7.97	0.535	13.06	8.13	-31	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-22D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.18
C. Liquid Depth(ft.)[A-B}:	26.22
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.50
F. Three Well Vols [E*3]:	13.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:39	7.49	0.521	14.97	7.49	-21	N	0.107
Mid-Purge	10:46	7.50	0.519	14.99	6.87	-19	N	0.012
Post-Purge	10:53	7.51	0.517	15.02	6.31	-19	N	0.000

Description of groundwater: Slight purple tinge noted in water.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	2.75
C. Liquid Depth(ft.)[A-B}:	8.95
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.50
F. Three Well Vols [E*3]:	4.60

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	13:04	8.02	0.516	10.84	1.80	127	N	0.000
Mid-Purge	13:06	8.08	0.461	10.13	1.69	128	N	0.000
Post-Purge	13:09	8.06	0.437	9.93	1.78	129	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/2022

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-23D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.58
C. Liquid Depth(ft.)[A-B}:	15.67
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:59	8.66	0.790	12.89	9.41	124	N	0.000
Mid-Purge	13:00	8.29	0.772	12.57	9.27	128	N	0.000
Post-Purge	13:02	8.12	0.772	12.70	8.98	132	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-25(R)S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.04
C. Liquid Depth(ft.)[A-B}:	13.68
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:15	7.85	0.472	10.31	8.98	-45	N	0.000
Mid-Purge	10:20	7.87	0.465	10.33	9.01	-44	N	0.000
Post-Purge	10:25	7.87	0.467	10.27	8.95	-37	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/16/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-25(R)D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.55
C. Liquid Depth(ft.)[A-B}:	20.00
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:12	7.81	0.513	13.18	7.78	-56	N	0.000
Mid-Purge	10:17	7.79	0.510	13.28	7.79	-56	N	0.000
Post-Purge	10:22	7.78	0.508	13.38	7.83	-58	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.82
C. Liquid Depth(ft.)[A-B}:	22.17
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:06	8.33	0.754	11.95	1.35	56	N	0.000
Mid-Purge	10:11	8.22	0.730	12.37	0.43	27	N	0.000
Post-Purge	10:16	8.13	0.719	12.39	0.28	17	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/16/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.53
C. Liquid Depth(ft.)[A-B}:	13.93
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.10

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:03	8.56	0.848	10.44	2.35	120	N	0.000
Mid-Purge	10:08	8.51	0.851	10.39	1.66	121	N	0.000
Post-Purge	10:13	8.47	0.850	10.32	1.45	121	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:40	7.83	0.678	9.41	1.49	-7	N	0.000
Mid-Purge	9:42	7.82	0.682	8.69	1.08	8	N	0.000
Post-Purge	9:44	7.83	0.671	8.49	0.81	17	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.41
C. Liquid Depth(ft.)[A-B}:	21.06
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:49	7.82	0.64	9.05	4.14	108	N	0.000
Mid-Purge	10:54	7.92	0.657	9.06	4.31	83	N	0.000
Post-Purge	10:59	8	0.668	9.09	4.29	63	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.85
C. Liquid Depth(ft.)[A-B}:	28.90
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:46	8.45	0.472	12.75	3.35	6	N	0.000
Mid-Purge	9:53	8.64	0.465	13.03	3.19	5	N	0.000
Post-Purge	10:06	8.68	0.463	13.06	3.15	6	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.82
C. Liquid Depth(ft.)[A-B}:	11.60
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	7:55	8.57	0.472	11.88	0.38	119	N	0.000
Mid-Purge	7:57	8.3	0.491	11.66	0.33	124	N	0.000
Post-Purge	8:05	8.19	0.492	11.53	0.28	129	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.94
C. Liquid Depth(ft.)[A-B}:	15.06
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	7:50	9.58	0.417	12.2	3.54	93	N	0.038
Mid-Purge	7:55	9.16	0.416	12.75	1.55	102	N	0.049
Post-Purge	8:00	9.09	0.416	12.74	1.31	104	N	0.007

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-21S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.34
C. Liquid Depth(ft.)[A-B}:	10.84
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 8 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 8

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:58	7.63	0.432	10.71	0.21	103	N	0.548
Mid-Purge	9:02	7.58	0.410	10.73	0.51	105	N	0.667
Post-Purge	9:06	7.56	0.406	10.87	0.14	111	N	0.433

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.45
C. Liquid Depth(ft.)[A-B}:	18.00
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.06
F. Three Well Vols [E*3]:	9.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:50	7.6	0.569	11.78	1.05	696	N	0.000
Mid-Purge	8:55	7.62	0.572	11.60	0.26	83	N	0.000
Post-Purge	9:00	7.62	0.573	11.37	0.31	90	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/17/22

SITE NUMBER: 130054

WEATHER: Rain 50

WELL ID: MW-22S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.42
C. Liquid Depth(ft.)[A-B}:	10.76
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:14	7.62	0.628	11.46	0.22	-30	N	0.000
Mid-Purge	9"16	7.68	0.632	11.14	0.53	-28	N	0.000
Post-Purge	9:19	7.69	0.631	11.04	0.50	-27	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/17/22

SITE NUMBER: 130054

WEATHER: Rain 50

WELL ID: MW-22D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.30
C. Liquid Depth(ft.)[A-B}:	26.10
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.40
F. Three Well Vols [E*3]:	13.30

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:00	7.44	0.483	11.93	0.75	10	N	0.484
Mid-Purge	9:05	7.29	0.490	12.80	0.39	-11	N	0.332
Post-Purge	9:15	7.25	0.492	12.99	0.29	-16	N	0.232

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	3.05
C. Liquid Depth(ft.)[A-B}:	8.65
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.50
F. Three Well Vols [E*3]:	4.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:40	8.01	0.478	9.43	3.04	115	N	0.000
Mid-Purge	10:43	7.98	0.452	9.37	2.91	117	N	0.000
Post-Purge	10:45	7.95	0.428	9.38	2.84	119	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/17/2022

SITE NUMBER: 130054

WEATHER: Rain 50

WELL ID: MW-23D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.42
C. Liquid Depth(ft.)[A-B}:	15.67
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:36	9	0.491	11.1	6.55	85	N	0.000
Mid-Purge	10:38	8.72	0.616	10.64	5.32	90	N	0.000
Post-Purge	10:46	8.34	0.69	10.63	9.33	100	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.04
C. Liquid Depth(ft.)[A-B}:	13.68
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:36	7.66	0.464	9.10	0.82	-15	N	0.000
Mid-Purge	8:28	7.67	0.464	8.7	0.96	12	N	0.000
Post-Purge	8:46	7.67	0.465	8.66	0.99	17	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.54
C. Liquid Depth(ft.)[A-B}:	20.00
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:32	7.77	0.569	12.16	0.35	-9	N	0.000
Mid-Purge	8:38	7.64	0.518	12.90	0.12	-30	N	0.000
Post-Purge	8:42	7.62	0.513	12.96	0.10	-34	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.66
C. Liquid Depth(ft.)[A-B}:	22.17
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8;23	7.84	0.690	12.96	0.61	43	N	0.000
Mid-Purge	8:28	7.81	0.688	13.08	0.56	34	N	0.000
Post-Purge	8:33	7.77	0.685	13.22	0.41	29	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/17/22

SITE NUMBER: 130054 **WEATHER:** Rain 50

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.35
C. Liquid Depth(ft.)[A-B}:	14.11
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.20

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:17	7.70	0.599	10.52	2.55	161	N	0.000
Mid-Purge	8:19	7.75	0.642	10.40	1.98	160	N	0.000
Post-Purge	8:27	7.83	0.665	10.08	1.66	158	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:20	6.47	0.570	11.38	2.44	-40	N	0.000
Mid-Purge	11:22	6.37	0.734	9.34	0.01	-26	N	0.000
Post-Purge	11:25	6.32	0.729	9.18	0.00	-19	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.27
C. Liquid Depth(ft.)[A-B}:	21.08
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:16	6.06	0.585	13.98	2.95	105	N	0.000
Mid-Purge	12:20	6.19	0.688	13.92	2.17	88	N	0.000
Post-Purge	12:26	6.22	0.691	13.93	1.83	82	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.52
C. Liquid Depth(ft.)[A-B}:	28.90
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:14	5.8	0.533	14.17	2.67	-60	N	0.000
Mid-Purge	11:19	5.96	0.509	14.61	4.61	-78	N	0.000
Post-Purge	11:28	6.45	0.507	14.69	3.46	-67	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.87
C. Liquid Depth(ft.)[A-B}:	11.56
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:12	7.35	0.586	10.76	7.21	116	N	0.000
Mid-Purge	9:18	7.06	0.589	10.74	3.93	123	N	0.000
Post-Purge	9:22	6.68	0.586	10.76	1.8	132	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.84
C. Liquid Depth(ft.)[A-B}:	15.16
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:17	6.33	0.561	11.36	1.20	143	N	0.000
Mid-Purge	9:24	6.48	0.501	11.3	0.75	140	N	0.000
Post-Purge	9:27	6.54	0.494	11.22	0.65	139	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/18/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-21S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.90
C. Liquid Depth(ft.)[A-B}:	10.28
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:15	6.03	0.563	10.3	0.00	66	N	0.000
Mid-Purge	10:17	5.92	0.485	10.33	0.00	67	N	0.000
Post-Purge	10:20	5.87	0.469	10.5	0.00	70	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/18/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-21D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.91
C. Liquid Depth(ft.)[A-B}:	17.54
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.00
F. Three Well Vols [E*3]:	9.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:10	5.84	0.55	12.14	0.17	44	N	0.032
Mid-Purge	10:15	5.86	0.608	12.11	0	46	N	0.041
Post-Purge	10:20	5.89	0.634	11.87	0	51	N	0.035

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	2.81
C. Liquid Depth(ft.)[A-B}:	8.37
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.40
F. Three Well Vols [E*3]:	4.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:50	5.66	0.674	12.44	0.00	31	N	0.000
Mid-Purge	10:53	5.77	0.703	12.17	0.00	15	N	0.000
Post-Purge	10:55	5.83	0.71	12.03	0.00	8	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/18/22

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-22D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	3.97
C. Liquid Depth(ft.)[A-B}:	26.43
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.50
F. Three Well Vols [E*3]:	13.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:56	5.93	0.587	13.94	0.00	-9	N	0.284
Mid-Purge	11:08	5.75	0.555	14.34	0.00	15	N	0.457
Post-Purge	11:10	5.69	0.548	14.41	0.00	-18	N	0.378

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	2.99
C. Liquid Depth(ft.)[A-B}:	8.71
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.50
F. Three Well Vols [E*3]:	4.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:09	6.19	0.616	12.01	2.52	110	N	0.000
Mid-Purge	12:11	6.18	0.559	11.78	3.15	115	N	0.000
Post-Purge	12:14	6.12	0.53	11.75	3.32	117	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/18/2022

SITE NUMBER: 130054

WEATHER: Sunny 60

WELL ID: MW-23D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.42
C. Liquid Depth(ft.)[A-B}:	15.83
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:04	6.46	0.927	11.41	1.40	100	N	0.000
Mid-Purge	12:08	6.31	0.931	11.17	0.46	102	N	0.000
Post-Purge	12:14	6.27	0.93	11.20	0.1	103	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.09
C. Liquid Depth(ft.)[A-B}:	13.63
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:55	6.08	0.577	8.73	0.00	-15	N	0.000
Mid-Purge	9:59	6.08	0.553	8.53	0.00	-11	N	0.000
Post-Purge	10:05	6.06	0.542	8.48	0.00	-6	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.28
C. Liquid Depth(ft.)[A-B}:	20.26
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:51	6.24	0.69	12.17	0.03	-1	N	0.000
Mid-Purge	9:53	6.18	0.652	12.44	0.00	-5	N	0.000
Post-Purge	10:01	6.13	0.609	12.53	0.00	-9	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.64
C. Liquid Depth(ft.)[A-B}:	22.35
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:34	6.71	0.495	11.99	0.65	104	N	0.000
Mid-Purge	9:38	6.53	0.605	12.31	0.00	78	N	0.000
Post-Purge	9:44	6.4	0.695	12.44	0.00	67	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/18/22

SITE NUMBER: 130054 **WEATHER:** Sunny 60

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.38
C. Liquid Depth(ft.)[A-B}:	14.08
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:39	6.31	0.847	9.55	0.15	63	N	0.000
Mid-Purge	9:45	6.34	0.917	9.15	0.11	66	N	0.000
Post-Purge	9:49	6.36	0.942	8.91	0.00	68	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:49	5.54	0.646	11.9	0.00	-50	N	0.000
Mid-Purge	11:53	5.62	0.684	11.25	0.00	-54	N	0.000
Post-Purge	11:55	5.73	0.719	10.72	0.00	-60	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	2.92
C. Liquid Depth(ft.)[A-B}:	21.43
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	1:03	5.63	0.487	13.67	3.52	118	N	0.000
Mid-Purge	1:08	5.51	0.591	13.69	3.56	120	N	0.000
Post-Purge	1:13	5.48	0.622	13.88	3.23	121	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	2.97
C. Liquid Depth(ft.)[A-B}:	29.75
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:04	6.15	0.590	14.07	4.59	-60	N	0.000
Mid-Purge	12:11	6.37	0.517	14.90	3.35	-66	N	0.000
Post-Purge	12:19	6.40	0.509	15.02	2.77	-64	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.83
C. Liquid Depth(ft.)[A-B}:	11.60
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:06	7.48	0.589	10.97	1.70	132	N	0.000
Mid-Purge	9:10	7.11	0.590	11.13	1.04	140	N	0.000
Post-Purge	9:16	6.86	0.591	10.99	0.81	144	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.94
C. Liquid Depth(ft.)[A-B}:	15.06
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:11	6.30	0.518	11.58	0.56	154	N	0.000
Mid-Purge	9:15	6.53	0.482	11.87	0.42	151	N	0.000
Post-Purge	9:21	6.58	0.481	11.79	0.38	150	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/21/22

SITE NUMBER: 130054

WEATHER: Sunny 55

WELL ID: MW-21S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	1.18
C. Liquid Depth(ft.)[A-B}:	10.08
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:49	6.09	0.555	11.86	0.00	52	N	0.492
Mid-Purge	10:52	6.04	0.499	11.54	0.00	57	N	0.351
Post-Purge	10:54	5.97	0.471	11.53	0.00	57	N	0.257

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	6.09
C. Liquid Depth(ft.)[A-B}:	17.54
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:28	5.82	0.596	11.80	0.000	-7	N	0.035
Mid-Purge	10:36	5.77	0.638	12.20	0.000	-3	N	0.015
Post-Purge	10:38	5.84	0.64	12.12	0.000	1	N	0.054

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	4.13
C. Liquid Depth(ft.)[A-B}:	7.05
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.20
F. Three Well Vols [E*3]:	3.60

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:16	5.47	0.616	13.45	4.37	47	N	0.035
Mid-Purge	11:18	5.91	0.767	12.83	7.65	-52	N	0.000
Post-Purge	11:21	5.92	0.77	12.73	6.89	-54	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-22D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.00
C. Liquid Depth(ft.)[A-B}:	26.40
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.50
F. Three Well Vols [E*3]:	13.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:26	6.01	0.608	13.82	0.03	-54	N	0.232
Mid-Purge	11:36	5.96	0.547	14.46	0.00	-42	N	0.342
Post-Purge	11:40	5.86	0.538	14.62	0.00	-40	N	0.254

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	2.93
C. Liquid Depth(ft.)[A-B}:	8.77
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.50
F. Three Well Vols [E*3]:	4.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:57	5.78	0.571	11.9	3.52	94	N	0.000
Mid-Purge	12:59	5.73	0.529	11.38	3.57	102	N	0.000
Post-Purge	1:03	5.62	0.493	11.14	3.51	106	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/21/2022

SITE NUMBER: 130054

WEATHER: Sunny 55

WELL ID: MW-23D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	2.88
C. Liquid Depth(ft.)[A-B}:	16.37
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.80
F. Three Well Vols [E*3]:	8.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:51	6.53	0.705	12.37	4.55	49	N	0.000
Mid-Purge	12:58	6.29	0.921	11.25	4.16	61	N	0.000
Post-Purge	1:01	6.24	0.929	11.45	4.29	63	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.09
C. Liquid Depth(ft.)[A-B}:	13.27
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.25
F. Three Well Vols [E*3]:	6.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:16	5.94	0.542	9.17	0.00	-46	N	0.000
Mid-Purge	10:21	5.97	0.528	8.88	0.00	-44	N	0.000
Post-Purge	10:26	5.96	0.515	8.75	0.00	-35	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.55
C. Liquid Depth(ft.)[A-B}:	20.26
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:01	6.29	0.721	10.97	0	-45	N	0.000
Mid-Purge	10:08	6.18	0.554	12.25	0.00	-20	N	0.000
Post-Purge	10:11	6.09	0.539	12.55	0.00	-26	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.83
C. Liquid Depth(ft.)[A-B}:	22.16
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:41	6.59	0.640	11.58	8.03	169	N	0.000
Mid-Purge	9:46	6.38	0.692	12.43	7.06	130	N	0.000
Post-Purge	9:51	6.27	0.690	12.6	6.60	99	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/21/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.72
C. Liquid Depth(ft.)[A-B}:	13.74
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:48	6.09	0.885	10.00	0.00	47	N	0.000
Mid-Purge	9:53	6.13	0.933	9.52	0.00	45	N	0.000
Post-Purge	9:58	6.17	0.945	9.26	0.00	44	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:16	5.95	0.618	10.57	0.00	22	N	0.000
Mid-Purge	11:18	5.98	0.639	10.05	0.00	20	N	0.000
Post-Purge	11:22	6.04	0.673	9.8	0.00	19	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 55

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	2.92
C. Liquid Depth(ft.)[A-B}:	20.88
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:46	6.14	0.519	13.24	2.46	196	N	0.000
Mid-Purge	12:48	6.11	0.566	13.46	2.06	195	N	0.000
Post-Purge	12:56	6.14	0.6.14	13.54	1.89	193	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.91
C. Liquid Depth(ft.)[A-B}:	28.81
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	5.00
F. Three Well Vols [E*3]:	15.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:20	6.16	0.699	10.81	1.54	29	N	0.000
Mid-Purge	11:28	6.29	0.577	12.44	4.55	48	N	0.000
Post-Purge	11:35	6.38	0.551	13.13	4.00	65	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.94
C. Liquid Depth(ft.)[A-B}:	11.50
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 6 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 6

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:25	7.30	0.591	10.95	9.65	104	N	0.000
Mid-Purge	8;27	7.06	0.595	11.00	2.83	110	N	0.000
Post-Purge	8:31	6.90	0.597	10.96	1.74	113	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.94
C. Liquid Depth(ft.)[A-B}:	14.88
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:30	6.50	0.490	11.85	0.71	139	N	0.000
Mid-Purge	8:36	6.57	0.489	11.83	0.44	134	N	0.000
Post-Purge	8:40	6.69	0.489	11.80	0.36	132	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/22/22

SITE NUMBER: 130054

WEATHER: Sunny 53

WELL ID: MW-21S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.98
C. Liquid Depth(ft.)[A-B}:	10.20
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:53	5.86	0.624	10.34	0.00	456	N	0.561
Mid-Purge	9:56	5.99	0.505	10.33	0.00	460	N	0.618
Post-Purge	9:59	5.95	0.483	10.46	0.00	462	N	0.574

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/22/22

SITE NUMBER: 130054

WEATHER: Sunny 53

WELL ID: MW-21D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.86
C. Liquid Depth(ft.)[A-B}:	17.59
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.00
F. Three Well Vols [E*3]:	9.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:47	6.04	0.670	10.83	0.000	413	N	0.003
Mid-Purge	9:54	5.88	0.670	11.11	0.000	444	N	0.002
Post-Purge	9:57	5.84	0.699	10.93	0.000	449	N	0.004

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	3.33
C. Liquid Depth(ft.)[A-B}:	7.85
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.30
F. Three Well Vols [E*3]:	4.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:37	5.68	0.662	12.71	0.00	168	N	0.800
Mid-Purge	10:39	5.70	0.712	12.57	0.00	151	N	0.296
Post-Purge	10:42	5.74	0.749	12.61	0.00	130	N	0.009

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-22D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.00
C. Liquid Depth(ft.)[A-B}:	26.18
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.45
F. Three Well Vols [E*3]:	13.35

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:33	5.87	0.498	13.5	0.00	427	N	0.274
Mid-Purge	10:45	5.68	0.510	13.93	0.00	416	N	0.248
Post-Purge	10:48	5.67	0.513	14.12	0.00	406	N	0.221

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	2.93
C. Liquid Depth(ft.)[A-B}:	8.07
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.40
F. Three Well Vols [E*3]:	4.11

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:40	6.23	0.726	11.56	4.20	180	N	0.000
Mid-Purge	12:43	6.33	0.625	10.93	4.33	187	N	0.000
Post-Purge	12:45	6.32	0.579	10.71	4.05	188	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/2022

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-23D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.55
C. Liquid Depth(ft.)[A-B}:	15.70
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:36	6.79	0.912	10.97	1.78	185	N	0.000
Mid-Purge	12:38	6.57	0.930	10.75	0.86	188	N	0.000
Post-Purge	12:46	6.44	0.936	10.99	0.42	189	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	2.92
C. Liquid Depth(ft.)[A-B}:	13.80
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:44	6.17	0.601	10.55	0.00	26	N	0.000
Mid-Purge	10:48	6.29	0.521	9.90	0.00	29	N	0.000
Post-Purge	10:54	6.3	0.504	9.75	0.00	30	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.55
C. Liquid Depth(ft.)[A-B}:	20.26
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:50	6.15	0.494	10.08	0.00	72	N	0.000
Mid-Purge	10:58	6.11	0.498	10.04	0.00	71	N	0.000
Post-Purge	11:00	6.09	0.500	10.10	0.00	61	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.67
C. Liquid Depth(ft.)[A-B}:	22.32
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.40

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:53	6.02	0.552	11.62	1.24	621	y	0.800
Mid-Purge	5:59	5.44	0.627	11.82	1.16	625	y	0.800
Post-Purge	9:03	5.67	0.608	11.95	1.04	632	y	0.800

Description of groundwater: Purple.

Comments & Observations: Permanganate note in well.

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/22/22

SITE NUMBER: 130054 **WEATHER:** Sunny 53

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.47
C. Liquid Depth(ft.)[A-B}:	13.99
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	7.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:47	6.64	0.572	10.11	0.14	149	N	0.000
Mid-Purge	8:49	6.47	0.762	10.03	0.00	154	N	0.000
Post-Purge	8:57	6.39	0.812	9.87	0.00	155	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:44	6.23	0.799	10.03	5.25	-54	N	0.000
Mid-Purge	11:46	6.30	0.790	9.64	4.93	-55	N	0.000
Post-Purge	11:49	6.31	0.770	9.39	4.89	-54	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.58
C. Liquid Depth(ft.)[A-B}:	21.43
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:48	6.08	0.624	11.90	3.89	169	N	0.000
Mid-Purge	12:56	6.05	0.675	12.38	3.56	170	N	0.000
Post-Purge	12:58	6.06	0.683	12.60	3.70	166	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	4.00
C. Liquid Depth(ft.)[A-B}:	28.72
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.90
F. Three Well Vols [E*3]:	14.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:50	6.33	0.599	9.95	4.75	-41	N	0.000
Mid-Purge	12:02	6.41	0.566	11.22	6.31	-38	N	0.000
Post-Purge	12:05	6.48	0.549	11.70	6.38	-36	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.96
C. Liquid Depth(ft.)[A-B}:	11.50
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 6 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 6

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:54	7.38	0.604	10.08	1.28	145	N	0.000
Mid-Purge	8:56	6.63	0.605	10.35	0.48	160	N	0.000
Post-Purge	9:00	6.51	0.605	10.36	0.37	163	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	8.07
C. Liquid Depth(ft.)[A-B}:	14.93
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.60
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:02	6.43	0.492	10.95	0.15	175	N	0.000
Mid-Purge	9:08	6.51	0.488	11.01	0.05	174	N	0.000
Post-Purge	9:12	6.61	0.489	11.07	0.05	171	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-21S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	0.71
C. Liquid Depth(ft.)[A-B}:	10.47
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.80
F. Three Well Vols [E*3]:	5.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:59	6.16	0.462	10.82	0.00	65	N	0.752
Mid-Purge	11:02	6.17	0.456	10.79	0.00	66	N	0.716
Post-Purge	11:04	6.15	0.453	10.78	0.00	66	N	0.660

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	1.81
C. Liquid Depth(ft.)[A-B}:	18.64
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.20
F. Three Well Vols [E*3]:	9.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:55	5.5	0.660	11.10	0.000	68	N	0.154
Mid-Purge	10:59	5.65	0.665	11.25	0.000	61	N	0.073
Post-Purge	11:05	5.8	0.664	11.37	0.000	55	N	0.042

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	4.83
C. Liquid Depth(ft.)[A-B}:	6.35
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.20

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:39	5.75	0.697	11.73	0.14	-33	N	0.093
Mid-Purge	11:41	5.75	0.756	11.81	0.00	-41	N	0.000
Post-Purge	11:44	5.79	0.766	11.84	0.00	-47	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-22D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.34
C. Liquid Depth(ft.)[A-B}:	26.18
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.43
F. Three Well Vols [E*3]:	13.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	11:04	5.89	0.513	11.35	0.45	88	N	0.312
Mid-Purge	11:14	5.78	0.534	12.20	0.55	44	N	0.262
Post-Purge	11:19	5.69	0.539	12.68	0.50	25	N	0.221

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-23S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	3.68
C. Liquid Depth(ft.)[A-B}:	8.02
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.40
F. Three Well Vols [E*3]:	4.11

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:43	6.16	0.542	11.02	3.58	148	N	0.000
Mid-Purge	12:45	6.18	0.475	10.82	3.9	153	N	0.000
Post-Purge	12:49	6.17	0.468	10.72	3.72	157	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/23/2022

SITE NUMBER: 130054

WEATHER: Sunny 47

WELL ID: MW-23D

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.63
C. Liquid Depth(ft.)[A-B}:	15.62
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.65
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	12:38	6.59	0.937	10.21	2.20	152	N	0.000
Mid-Purge	12:42	6.38	0.947	10.43	0.71	154	N	0.000
Post-Purge	12:48	6.25	0.95	10.82	0.32	152	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-25(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	2.48
C. Liquid Depth(ft.)[A-B}:	14.24
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.25

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:47	5.76	0.488	9.58	0.00	1	N	0.000
Mid-Purge	10:49	5.87	0.489	9.48	0.00	-2	N	0.000
Post-Purge	10:57	5.99	0.492	9.28	0.00	-6	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.22
C. Liquid Depth(ft.)[A-B}:	20.26
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:11	6.11	0.522	11.04	0.00	334	N	0.000
Mid-Purge	10:18	6.02	0.520	11.33	0.00	322	N	0.000
Post-Purge	10:21	5.96	0.517	11.48	0.00	305	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.42
C. Liquid Depth(ft.)[A-B}:	22.57
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.80
F. Three Well Vols [E*3]:	11.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:46	5.88	5.880	10.18	3.55	588	y	0.800
Mid-Purge	9:52	5.68	5.680	10.71	1.44	387	y	0.800
Post-Purge	9:56	5.82	5.820	11.05	0.99	443	y	0.800

Description of groundwater: Purple.

Comments & Observations: Permanganate note in well.

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Sunny 47

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.47
C. Liquid Depth(ft.)[A-B}:	14.17
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:41	7.07	0.902	9.77	11.44	205	N	0.000
Mid-Purge	9:48	6.92	0.930	9.62	9.14	206	N	0.000
Post-Purge	9:51	6.86	0.934	9.42	8.50	206	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 42

WELL ID: MW-1 **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	4.86
B. Depth to Water (ft.):	TOC
C. Liquid Depth(ft.)[A-B}:	4.86
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.00
F. Three Well Vols [E*3]:	3.00

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:13	7.93	0.657	10.02	1.98	-28	N	0.000
Mid-Purge	9:15	7.96	0.642	9.95	1.76	-18	N	0.000
Post-Purge	9:18	7.96	0.637	9.26	1.72	-7	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 42

WELL ID: MW-1D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	24.35
B. Depth to Water (ft.):	3.59
C. Liquid Depth(ft.)[A-B}:	21.43
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.60
F. Three Well Vols [E*3]:	10.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganete Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:16	7.89	0.585	8.49	9.01	138	N	0.000
Mid-Purge	10:22	7.88	0.633	9.52	4.01	120	N	0.000
Post-Purge	10:26	7.95	0.640	10.00	4.52	100	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/23/22

SITE NUMBER: 130054 **WEATHER:** Rain 42

WELL ID: MW-1DD **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	32.72
B. Depth to Water (ft.):	3.87
C. Liquid Depth(ft.)[A-B}:	28.85
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.90
F. Three Well Vols [E*3]:	14.70

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:20	7.99	0.560	8.33	5.14	16	N	0.000
Mid-Purge	9:30	8.09	0.537	9.15	8.23	16	N	0.000
Post-Purge	9:35	8.32	0.539	9.30	8.27	9	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 42

WELL ID: MW-7(R)S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.43
B. Depth to Water (ft.):	7.88
C. Liquid Depth(ft.)[A-B}:	11.55
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.00
F. Three Well Vols [E*3]:	6.00

D.: Well Vol./Ft.: Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 6 Minuets

Purge Rate (gpm) 1.00

Purge Volume (gal): 6

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:05	9.95	0.587	10.3	2.74	157	N	0.000
Mid-Purge	8:09	8.73	0.553	10.79	2.48	168	N	0.000
Post-Purge	8:11	8.46	0.547	10.84	2.12	171	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-7(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	23.00
B. Depth to Water (ft.):	7.97
C. Liquid Depth(ft.)[A-B}:	15.03
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.55
F. Three Well Vols [E*3]:	7.70

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Miniuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:10	8.25	0.456	11.52	3.37	164	N	0.030
Mid-Purge	8:16	8.55	0.448	11.54	2.14	162	N	0.024
Post-Purge	8:20	8.64	0.448	11.57	2.52	160	N	0.019

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-21S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	1.07
C. Liquid Depth(ft.)[A-B}:	10.11
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.70
F. Three Well Vols [E*3]:	5.15

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:53	8.12	0.314	10.22	8.44	105	N	0.800
Mid-Purge	8:55	8.200	0.315	10.30	8.22	108	N	0.800
Post-Purge	8:59	8.23	0.319	10.28	8.08	110	N	0.800

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-21D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	20.45
B. Depth to Water (ft.):	2.65
C. Liquid Depth(ft.)[A-B}:	17.80
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.00
F. Three Well Vols [E*3]:	9.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:44	7.80	0.599	11.22	1.100	55	N	0.242
Mid-Purge	8:48	7.77	0.604	11.57	0.750	63	N	0.183
Post-Purge	8:54	7.77	0.600	11.87	0.550	69	N	0.119

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-22S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.18
B. Depth to Water (ft.):	2.37
C. Liquid Depth(ft.)[A-B}:	8.81
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.50
F. Three Well Vols [E*3]:	4.50

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:07	7.44	0.665	11.61	1.71	-28	N	0.031
Mid-Purge	9:09	7.57	0.706	11.48	1.12	-35	N	0.000
Post-Purge	9:12	7.65	0.718	11.37	0.96	-39	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-22D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	30.40
B. Depth to Water (ft.):	4.23
C. Liquid Depth(ft.)[A-B}:	26.17
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	4.43
F. Three Well Vols [E*3]:	13.30

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 15 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 15

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	9:04	7.64	0.421	10.75	2.95	-11	N	0.399
Mid-Purge	9:10	7.57	0.418	10.56	2.87	-13	N	0.318
Post-Purge	9:19	7.52	0.416	10.47	2.84	-14	N	0.262

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/24/22

SITE NUMBER: 130054

WEATHER: Rain 43

WELL ID: MW-23S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	11.70
B. Depth to Water (ft.):	3.61
C. Liquid Depth(ft.)[A-B}:	8.09
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	1.40
F. Three Well Vols [E*3]:	4.11

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 5 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 5

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:10	8.13	0.505	8.75	9.74	128	N	0.000
Mid-Purge	10:12	8.15	0.462	8.82	6.73	130	N	0.000
Post-Purge	10:15	8.11	0.432	8.93	6.53	132	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/2022

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-23D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.25
B. Depth to Water (ft.):	3.55
C. Liquid Depth(ft.)[A-B}:	15.70
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.70
F. Three Well Vols [E*3]:	8.00

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	10:04	8.92	0.817	9.60	6.16	117	N	0.000
Mid-Purge	10:08	8.57	0.816	9.80	2.75	122	N	0.000
Post-Purge	10:18	8.39	0.816	9.85	2.49	125	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): CW/SS

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman

DATE: 3/24/22

SITE NUMBER: 130054

WEATHER: Rain 43

WELL ID: MW-25(R)S

WELL DIAMETER (IN.): 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	16.72
B. Depth to Water (ft.):	3.30
C. Liquid Depth(ft.)[A-B}:	13.42
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.30
F. Three Well Vols [E*3]:	6.80

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:36	7.84	0.436	9.58	1.32	-27	N	0.000
Mid-Purge	8:38	7.86	0.436	9.26	0.99	-19	N	0.000
Post-Purge	8:46	7.87	0.439	9.07	1.39	3	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-25(R)D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	26.54
B. Depth to Water (ft.):	6.29
C. Liquid Depth(ft.)[A-B}:	20.25
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.40
F. Three Well Vols [E*3]:	10.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:31	8.45	0.562	10.98	1.47	-24	N	0.000
Mid-Purge	8:36	8.23	0.505	11.86	1.28	-40	N	0.000
Post-Purge	8:41	8.06	0.474	12.39	1.85	-43	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-30D **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	29.99
B. Depth to Water (ft.):	7.28
C. Liquid Depth(ft.)[A-B}:	22.71
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	3.90
F. Three Well Vols [E*3]:	11.60

D.: Well Vol./Ft.: Well Diameter	**Gallon/Ft.**
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets.

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:23	6.01	5.611	10.11	3.61	618	y	0.800
Mid-Purge	8:28	5.96	5.021	10.82	2.76	601	y	0.800
Post-Purge	8:33	5.91	5.717	11.26	1.92	498	y	0.800

Description of groundwater: Purple.

Comments & Observations: Permanganate noted in well.

Name of sampler(s): SS/CW

FIELD RECORD OF WELL MONITORING

SITE NAME: NYSDEC Crown Dykman **DATE:** 3/24/22

SITE NUMBER: 130054 **WEATHER:** Rain 43

WELL ID: MW-30S **WELL DIAMETER (IN.):** 2

WELL CONDITION: Good

CALCULATION OF WELL VOLUME

A. Well Depth (ft.):	19.46
B. Depth to Water (ft.):	5.39
C. Liquid Depth(ft.)[A-B}:	14.17
D. Well Vol./Ft.(see table):	0.17
E. Well Volume (gal.) [C*D]:	2.40
F. Three Well Vols [E*3]:	7.20

D.: Well Vol./Ft.:

Well Diameter	Gallon/Ft.
2-in.	**0.17**
4-in.	**0.65**
6-in.	**1.47**
8-in.	**2.61**
12-in.	**5.87**

PURGING ACTIVITES

Purge Method: Peristaltic pump.

Purge Time: 10 Minuets

Purge Rate (gpm): 1.0

Purge Volume (gal): 10

Description of activity (i.e.-visual observation of water quality, did well pump dry, etc):

WATER QUALITY PARAMETERS

	Time	pH	Conductivity (mS/cm)	Temp (DEG C)	DO	ORP (mV)	Permanganate Visually Present (Y/N)	Manganese Concentration (mg/L)
Pre-Purge	8:20	8.87	0.761	10.31	2.36	163	N	0.000
Mid-Purge	8:26	8.71	0.796	10.20	2.21	165	N	0.000
Post-Purge	8:30	8.62	0.805	10.07	2.05	166	N	0.000

Description of groundwater: Clear.

Comments & Observations:

Name of sampler(s): SS/CW

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 14,2022
Injection Team:	MA/JW/SS/DT/CW
Weather Conditions:	Sunny/ 45

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
Source area West riser.	1	11:00	11:40	2 PSI.	4%	6.25	250	0	250
Source area West riser.	1	11:40	12:00	2 PSI.	4%	12.5	250	0	500
Source area West riser.	1	12:10	12:40	2 PSI.	4%	8.3	250	0	750
Source area West riser.	1	12:40	13:10	2 PSI.	4%	8.3	250	0	1000

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 15,2022
Injection Team:	MA/JW/SS/DT/CW
Weather Conditions:	Sunny/ 48

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
Source area West riser.	1	7:58	8:33	2 PSI.	4%	7.1	250	1000	1250
Source area West riser.	1	8:33	9:08	2 PSI.	4%	7.1	250	1250	1500
Source area West riser.	1	9:44	10:19	2 PSI.	4%	7.1	250	1500	1750
Source area West riser.	1	10:19	10:55	2 PSI.	4%	6.9	250	1750	2000
Source area West riser.	1	10:55	11:30	2 PSI.	4%	7.1	250	2000	2250
Source area West riser.	1	11:30	12:07	2 PSI.	4%	6.8	250	2250	2500
Source area East riser.	1	12:08	12:45	2 PSI.	4%	6.8	250	2500	2750

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 16,2022
Injection Team:	MA/JW/SS/DT/CW
Weather Conditions:	Sunny/ 60

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
Source area East riser.	1	8:58	9:31	2 PSI.	4%	7.1	250	2750	3000
Source area East riser.	1	9:31	10:04	2 PSI.	4%	7.1	250	3000	3250
Source area East riser.	1	10:46	11:21	2 PSI.	4%	7.1	250	3250	3500
Source area East riser.	1	11:21	11:58	2 PSI.	4%	6.9	250	3500	3750
Source area East riser.	1	12:54	13:26	2 PSI.	4%	7.1	250	3750	4000
Source area East riser.	1	13:26	14:07	2 PSI.	4%	6.8	250	4000	4250

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 17,2022
Injection Team:	MA/JW/SS/DT/CW
Weather Conditions:	Sunny/ 50

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
Source area East riser.	1	7:21	7:51	2 PSI.	4%	7.1	250	4250	4500
Source area East riser.	1	7:51	8:21	2 PSI.	4%	7.1	250	4500	4750
Source area East riser.	1	8:21	8:52	2 PSI.	4%	7.1	250	4750	5000
Source area East riser.	1	8:52	9:24	2 PSI.	4%	6.9	250	5000	5250
Source area East riser.	1	9:24	9:52	2 PSI.	4%	7.1	250	5250	5500
Source area East riser.	1	9:52	10:23	2 PSI.	4%	6.8	250	5500	5750
Source area West riser.	1	10:23	10:32	2 PSI.	4%	6.8	250	5750	5775
IS-7	1	11:20	11:56	2 PSI.	4%	6.8	250	0	250
IS-7	1	12:00	12:35	2 PSI.	4%	6.8	250	250	500
IS-7	1	12:40	12:50	2 PSI.	4%	6.8	60	500	560
IS-12	1	13:30	14:06	2 PSI.	4%	6.8	250	0	250

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 18,2022
Injection Team:	MA/JW/SS/DT/CW
Weather Conditions:	Sunny/ 60

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
IS-12	1	9:30	9:56	2 PSI.	4%	9.6	250	250	500
IS-12	1	10:00	10:14	2 PSI.	4%	4.5	60	500	560
IS-11	1	10:45	10:52	2 PSI.	4%	3.7	250	0	250
IS-11	1	11:52	12:17	2 PSI.	4%	10	250	250	500
IS-11	1	12:38	13:07	2 PSI.	4%	2.1	60	500	560

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:
March 21,2022

Injection Team:
MA/JW/SS/DT/CW

Weather Conditions:
Sunny/ 55

Injection Point ID	Pump ID	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
IS-6	1	250	0	250
IS-6	1	250	250	500
IS-6	1	60	500	560
IS-10	1	250	0	250
IS-10	1	250	250	500
IS-10	1	60	500	560
IS-9	1	250	0	250
IS-9	1	250	250	500
IS-9	1	60	500	560

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 22,2022
Injection Team:	MA/JW/SS/DT/MS
Weather Conditions:	Sunny/ 53

Injection Point ID	Pump ID	me Ste	Finis	ratin g	cent ratio	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
IS-5	1	7:46	8:19	2 PSI.	4%	8.5	280	0	280
IS-5	1	8:19	8:52	2 PSI.	4%	8.5	280	280	560
IS-4	1	9:23	###	2 PSI.	4%	7.1	280	0	280
IS-4	1	###	###	2 PSI.	4%	7.1	280	280	560
IS-8	1	###	###	2 PSI.	4%	4.7	280	0	280
IS-8	1	###	###	2 PSI.	4%	7.4	280	280	560

Notes/Issues:

Injection Field Sheet
Crown Dykman
Site No: 130054 Contract: D012149

Date:	March 23,2022
Injection Team:	MA/JW/SS/DT/MS
Weather Conditions:	Sunny/ 53

Injection Point ID	Pump ID	Time Start	Time Finished	Operating Pressure (psi)	Concentration (%)	Flow Rate (gpm)	Volume Injected (gal)	Previous Volume (gal) Injected (From prior sheets)	Total Cumulative Volume (gal)
IS-3	1	8:16	8:52	2 PSI.	4%	7.8	280	0	280
IS-3	1	8:52	9:29	2 PSI.	4%	7.6	280	280	560
IS-2	1	9:43	10:15	2 PSI.	4%	8.8	280	0	280
IS-2	1	10:15	10:49	2 PSI.	4%	8.2	280	280	560
IS-1	1	10:53	11:30	2 PSI.	4%	2.7	100	0	100
Source are West riser.	1	12:19	12:40	2 PSI.	4%	8.6	180	0	180
Source are East riser.	1	12:40	13:15	2 PSI.	4%	8.6	280	180	460

Comment: IS-01 was daylighting out of the surrounding area during injections. The pressure was lowered at the injection point which did not help. Subsequently the decision was made per Arcadis to to inject the remaining mix into source area header.

Notes/Issues: