nationalgrid

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

January 13, 2025

Ms. Megan Kuczka
Division of Environmental Remediation
NYSDEC, Region 9
700 Delaware Avenue
Buffalo, NY 14209

Re: National Grid Dewey/Kensington Service Center (Site #915144)
2024 Annual Groundwater Monitoring Report – Version 2

Dear Megan:

Enclosed for your review is the Annual Groundwater Monitoring Report for the National Grid Dewey/Kensington Service Center Site (Site No. 915144).

- A small revision was made to Section 2.1 of the report, based on your correspondence dated December 18, 2024.

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

Sincerely,

for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

cc: Kelly Lewandowski - NYSDEC
Lisa Montesano – NG
Devin T. Shay- Groundwater & Environmental Services, Inc.

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National Grid

2024 Annual Groundwater Monitoring Report

National Grid Dewey/Kensington Service Center
93 Dewey Avenue, Buffalo, NY 14214
915144

January 2025

Version 2

2024 Annual Groundwater Monitoring Report

National Grid Dewey/Kensington Service Center
93 Dewey Avenue
Buffalo, NY 14214

Prepared for:
National Grid
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GES Project:
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Date:
January 13, 2025

Devin Shay

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Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

Table of Contents

Figures

Tables

Appendices

Acronyms

AWQS	Ambient Water Quality Standards
CMS	Corrective Measures Study
FRA	Focused Risk Assessment
GES	Groundwater & Environmental Services, Inc.
LNAPL	Light Non-Aqueous Phase Liquid
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated Biphenyl
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
SAP	(Groundwater) Sampling and Analysis Plan
SGS	SGS North America, Inc.
SWMU	Solid Waste Management Unit
TOGS	Technical and Operational Guidance Series
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1 Introduction

1.1 Overview

This annual report presents the results of the groundwater sampling and analysis activities conducted by Groundwater and Environmental Services, Inc. (GES) at the National Grid Dewey/Kensington Service Center in Buffalo, New York (the site). These activities were completed as part of ongoing investigations of a former underground storage tank (UST), identified as Solid Waste Management Unit (SWMU) #7. The June 2024 groundwater monitoring event was conducted in conformance with the Order on Consent (Consent Order) Index Number R9-4407-96-09, dated November 19, 1997, between National Grid and the New York State Department of Environmental Conservation (NYSDEC) to monitor the potential migration of impacted groundwater associated with SWMU #7. As further discussed in Section 1.3, the SWMU #7 groundwater monitoring program was modified as identified in NYSDEC's July 22, 2003 letter, which presents comments on the *2002 Soil Investigation and Spring/Fall 2002 Groundwater Monitoring Report*.

1.2 Background and Site Investigation History

The Dewey/Kensington Service Center is an active facility located at 144 Kensington Avenue between Dewey and Kensington Avenues in Buffalo, New York (see **Figure 1**). The service center previously included a hazardous waste management facility permitted by NYSDEC (Part 373 Permit No. 9-1402-00397/00001-0). The hazardous waste management facility was closed in December 1992 in accordance with a NYSDEC-approved closure plan.

In September 1992, excavation activities at the facility in the vicinity of Building #13 revealed petroleum-impacted gravel and a broken vent line connected to an underground waste oil tank. The waste oil tank was subsequently removed, and four groundwater monitoring wells (ESI-1, ESI-2, ESI-3, and ESI-4) were installed in the vicinity of the former tank to supplement an existing monitoring well (MW-1) and to facilitate periodic groundwater monitoring in this area. **Figure 2** illustrates relevant site features and the locations of soil borings and monitoring wells.

In February 1994, National Grid agreed to conduct a focused Resource Conservation and Recovery Act (RCRA) Facility Assessment- (RFA-) type soil and groundwater investigation, and a Focused Risk Assessment/ Corrective Measures Study (FRA/CMS) to address the concerns identified by the RFA.

During fall 1994, National Grid conducted soil and groundwater investigation activities in accordance with the NYSDEC-approved *Soil and Groundwater Investigation Work Plan* (1994). These investigations showed the presence of several volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) in groundwater at concentrations above NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 – *Ambient Water Quality Standards and Guidance Values* (NYSDEC, 1998, amended 2000). Based on these results, NYSDEC requested implementation of the quarterly groundwater monitoring program proposed in the *SWMU #7 Soil/Groundwater Investigation Report (1994*).

The *SWMU #7 Focused Risk Assessment and Corrective Measures Study Report* (FRA/CMS Report) (1995, revised 1996) concluded that the limited action alternative (i.e., implementing a groundwater monitoring program) would adequately meet the corrective measure objective of mitigating the offsite migration of impacted groundwater. Following the initial submittal of the FRA/CMS Report, a *Groundwater Sampling and Analysis Plan* (SAP) (1996) was submitted to NYSDEC in May 1996. The May 1996 SAP was then revised based upon NYSDEC comments, and the revised SAP for the groundwater monitoring program was presented in the revised FRA/CMS Report dated June 1996.

In November 1997, National Grid entered into a Consent Order with NYSDEC to guide future site monitoring and to establish a framework for implementing additional site investigation or remediation. As mandated in the Consent Order, semi-annual (spring and fall) groundwater monitoring events are conducted at SWMU #7 monitoring wells. The list of wells sampled during each groundwater monitoring event has been modified through time in response to NYSDEC requirements and the results of investigation/evaluation activities, as agreed to by NYSDEC.

The Consent Order specifies that a contingency plan must be implemented to evaluate additional remedial activities if analytical results from monitoring wells located at the property boundary indicate an exceedance of NYSDEC groundwater quality standards presented in TOGS 1.1.1 for two consecutive monitoring events. The monitoring wells designated as property boundary wells have changed, as new monitoring wells have been installed as part of the contingency plan implementation. For example, monitoring wells MW-7 and MW-9 were designated as property boundary wells in the Consent Order. In 1999, the property boundary wells included monitoring wells MW-6, MW-7, MW-11, MW-12, and MW-14. The current property boundary well arrangement includes monitoring wells MW-6, MW-11, MW-12, MW-20, MW-21, and MW-24 (installed spring 2002). Refer to **Figure 2** for well locations.

Table 1 below summarizes instances when groundwater samples from two consecutive groundwater sampling events exhibited the presence of constituents in groundwater above TOGS standards and guidance values in the property boundary wells. The table also presents the corresponding NYSDEC-approved contingency plan activities that were conducted in response to such instances.

Table 1 – Consecutive Exceedances at Sampling Events

Consecutive Sampling Events with Property Boundary Well TOGS Standards and Guidance Value Exceedances	Corresponding Contingency Plan Activity
Fall 1997 and Spring 1998: PCBs in groundwater samples collected from monitoring well MW-9.	Conducted MW-9 supplemental investigation, including installing additional monitoring wells MW-13, MW-14, and MW-15 in October 1998.
Spring 1999 and Fall 1999: PCBs in groundwater samples collected from monitoring wells MW-9 and MW-14.	Conducted supplemental site investigation, including research of site history and installing additional monitoring wells MW-16, MW-17, MW-18, MW-19, MW-20, and MW-21 in August and September 2000.
Fall 2000 and Spring 2001: PCBs in groundwater samples collected from monitoring wells MW-9 and MW-14.	Conducted 2002 soil investigation, including advancing soil borings (SB-101, MW-22, SB-102, SB-103, SB-104, SB-105, SB-106, MW-23, and SB-107), installing monitoring wells (MW-22, MW-23, and MW-24) and sampling and fingerprint analysis of light non-aqueous phase liquid (LNAPL) in monitoring well ESI-1.

On October 3, 2011, National Grid received official notification that the site was deleted from the New York State Registry of Inactive Hazardous Waste Disposal Sites (letter from Ms. Kelly Lewandowski, NYSDEC Chief Site Control Section, to Mr. Chuck Willard, NG SIR Director).

1.3 Modifications to the Groundwater Monitoring Program

In the 2002 Investigation Report, modifications to the SWMU #7 groundwater monitoring program were recommended. The recommendations were based on the results of the 2002 soil investigation, the 2002 groundwater monitoring events, a review of previous soil and groundwater results, and LNAPL fingerprinting. NYSDEC approved the recommendations presented in the 2002 Report (with select modifications) in a July 22, 2003 letter to National Grid. The recommendations, inclusive of NYSDEC's modifications, were as follows:

- Discontinue VOC analysis except at monitoring wells ESI-1 and MW-16. LNAPL (if present) in monitoring well ESI-1 will be removed. If LNAPL is not present for three consecutive monitoring events in monitoring well ESI-1, groundwater will be sampled and analyzed for VOCs annually. To monitor the conditions downgradient of monitoring well ESI-1, groundwater from monitoring well MW-16 will be sampled and analyzed for VOCs annually. If VOCs are detected in groundwater at MW-16, additional VOC analysis will be required from monitoring wells located downgradient of MW-16.
- Discontinue lead analysis for all monitoring wells.
- Continue PCB analysis at select monitoring wells (i.e., the property boundary wells, MW-1, and MW-9).
- Discontinue data validation (for all groundwater samples collected) for every groundwater monitoring event.

- Continue to sample and measure groundwater levels from the monitoring wells, as summarized in Section 3 - Schedule.

Per NYSDEC's letter to National Grid dated July 27, 2011, semi-annual groundwater sampling events will continue. However, both monitoring events will be documented in a single annual report to be submitted in the fall of each year.

Per NYSDEC's letter to National Grid dated December 5, 2017, the groundwater sampling frequency will be reduced to one annual event. Site inspections are conducted semi-annually.

2 Groundwater Monitoring Activities

2.1 Groundwater Well Gauging

For the event conducted on June 17 and 18, 2024, static groundwater levels (presented in **Table 3**) were measured prior to groundwater sample collection to evaluate groundwater flow direction. Groundwater levels were obtained from 19 of the groundwater monitoring wells associated with SWMU #7 (MW-1, MW-2, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-15, MW-16, MW-17, MW-19, MW-20, MW-21, MW-24, MW-25, and ESI-1).

The groundwater flow direction is generally toward the east. Refer to **Figure 3** for the general groundwater flow direction.

2.2 Groundwater Analytical Results

For the June 2024 event, eight (8) groundwater samples were analyzed for PCBs and one (1) sample was analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), and Naphthalene by Eurofins Environment Testing (Eurofins), in Amherst, New York. In addition, field measurements of pH, temperature, conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential were obtained prior to sample collection. The groundwater monitoring field data is included in **Appendix A**.

Eight monitoring wells (MW-1, MW-6, MW-9, MW-11, MW-12, MW-20, MW-21, and MW-24) were sampled and analyzed for PCBs during the June 2024 event. Analytical results were compared to the New York State ambient water quality standards (AWQS) and guidance values and groundwater effluent limitations presented in TOGS 1.1.1 (0.09 micrograms per liter for total PCBs).

For the June 2024 sampling event, PCBs were detected in two (2) of the eight (8) groundwater samples collected from site groundwater monitoring wells (1.3 micrograms per liter [ug/L] in the sample collected from MW-1 and 21.4 ug/L from MW-9). Monitoring wells MW-1 and MW-9 have consistently had detections of total PCBs since sampling was initiated in May 1998, and trend graphs showing the total concentrations over time are presented as **Figure 4** and **Figure 5**.

The groundwater sample collected from monitoring well MW-16 was analyzed for BTEX and Naphthalene, and there we no detections above reporting limits for any analyte.

Purge water was collected during the sampling event and containerized in a 55-gallons drum. Purge water was disposed of off-site at a National Grid approved disposal facility. Purge water disposal receipts are included as **Appendix B**.

Total PCB results from the groundwater monitoring events are presented in **Table 4**, and VOC results are provided on **Table 5**. **Appendix C** presents the laboratory analytical reports.

2.3 LNAPL Observation

Prior to groundwater purging and sample collection activities, each monitoring well was gauged with an oil/water interface probe to measure the presence or absence of LNAPL. Measurable LNAPL was not detected in any of the monitoring wells during the June 2024 event.

2.4 Other Operations Maintenance and Monitoring Activities

During the annual groundwater sampling event, the sorbent boom was checked at monitoring well ESI-1. The boom was not changed out during the June sampling event, as there was no significant LNAPL absorbed by the boom. Site inspections were completed bi-annually on March 21 and September 24, 2024. An additional site inspection was completed on June 18, 2024 during the groundwater sampling event.

3 Schedule

Based on the results of the groundwater monitoring program and the recommendations presented in the 2002 Investigation Report (subsequently modified by the NYSDEC's July 22, 2003 response letter); the modified groundwater monitoring program, consisting of an annual (spring) groundwater monitoring event, will be continued. The scope of the monitoring program is summarized in the following table.

Table 2 – Site Wells

Scope of work at each site well

Monitoring Wells for Continued Groundwater Sampling	Monitoring Wells for Groundwater Level Measurement Only
ESI-1 (VOC analysis) *	MW-2
MW-1 (PCB analysis) ***	MW-5
MW-6 (PCB analysis) ***	MW-7
MW-9 (PCB analysis) ***	MW-10
MW-11 (PCB analysis) ***	MW-13
MW-12 (PCB analysis) ***	MW-15
MW-16 (VOC analysis) ***	MW-17
MW-20 (PCB analysis) ***	MW-19
MW-21 (PCB analysis) ***	MW-25
MW-24 (PCB analysis) ***	

Notes:

* One groundwater sample will be collected from monitoring well ESI-1 only if LNAPL is not present for three consecutive sampling events.

*** Monitoring well will be sampled once a year.

The next annual groundwater monitoring event is scheduled for June 2025. Reporting will be annual (submitted after the fall event) as part of the Periodic Review Report.

4 Conclusions and Recommendations

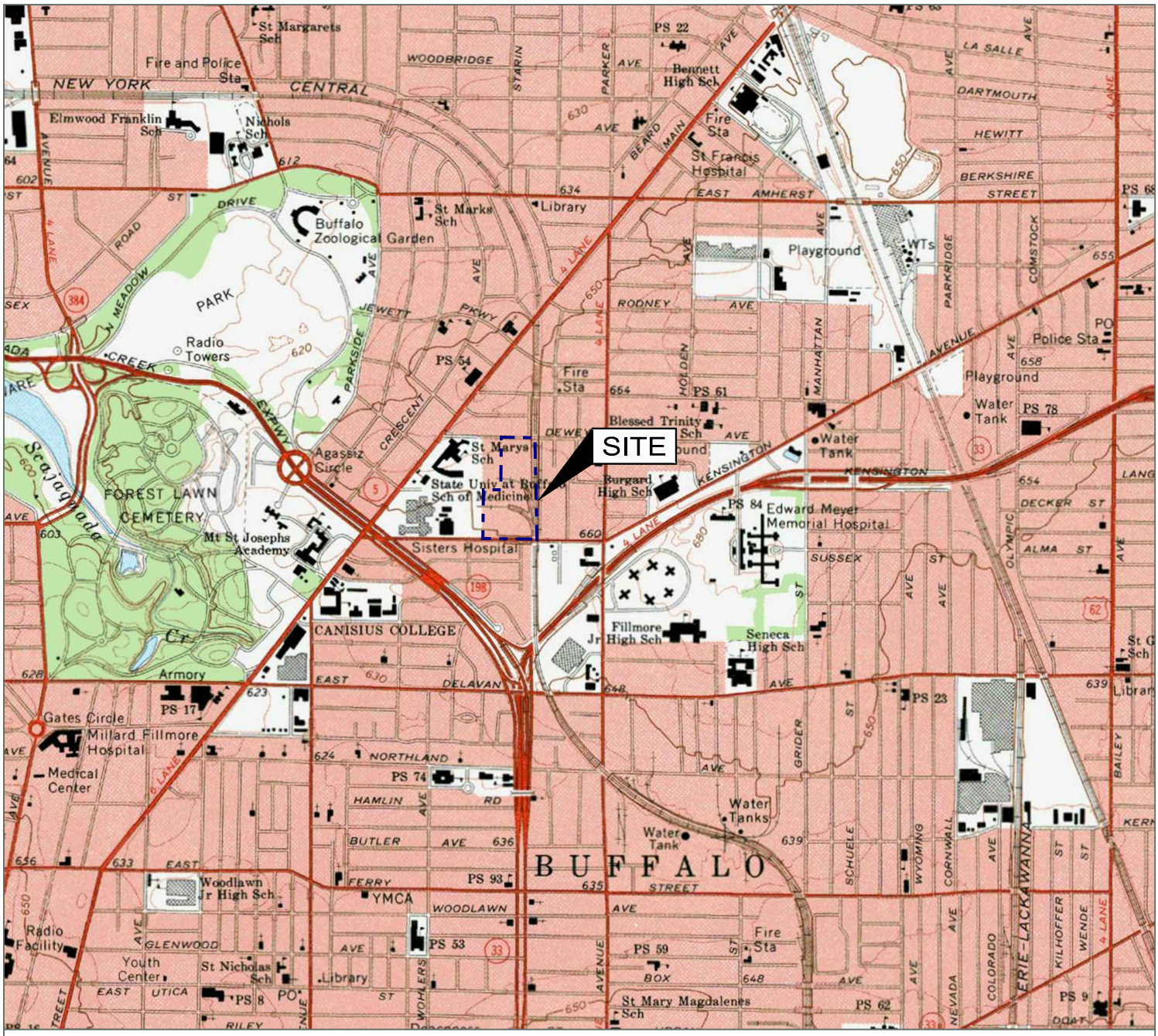
4.1 Conclusions

Eight (8) monitoring wells were sampled and analyzed for PCBs in June 2024 (MW-1, MW-6, MW-9, MW-11, MW-12, MW-20, MW-21, and MW-24). For the June 2024 sampling event, PCBs were detected in the groundwater samples collected from two (2) of the eight (8) site groundwater monitoring wells (MW-1 and MW-9). One (1) monitoring well (MW-16) was analyzed for BTEX and Naphthalene, and there were no detections above the reporting limits.

4.2 Recommendations

At this time, no changes to the annual site sampling plan are proposed.

Figures



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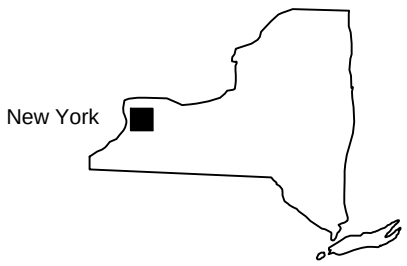
USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE , 1965
Buffalo NE, New York
CONTOUR INTERVAL = 10'



QUADRANGLE LOCATION

Site Location Map

National Grid
Dewey Avenue Service Center
93 Dewey Avenue
Buffalo, New York

Drawn W.G.S.
Designed
Approved

Date 2-28-18
Figure 1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

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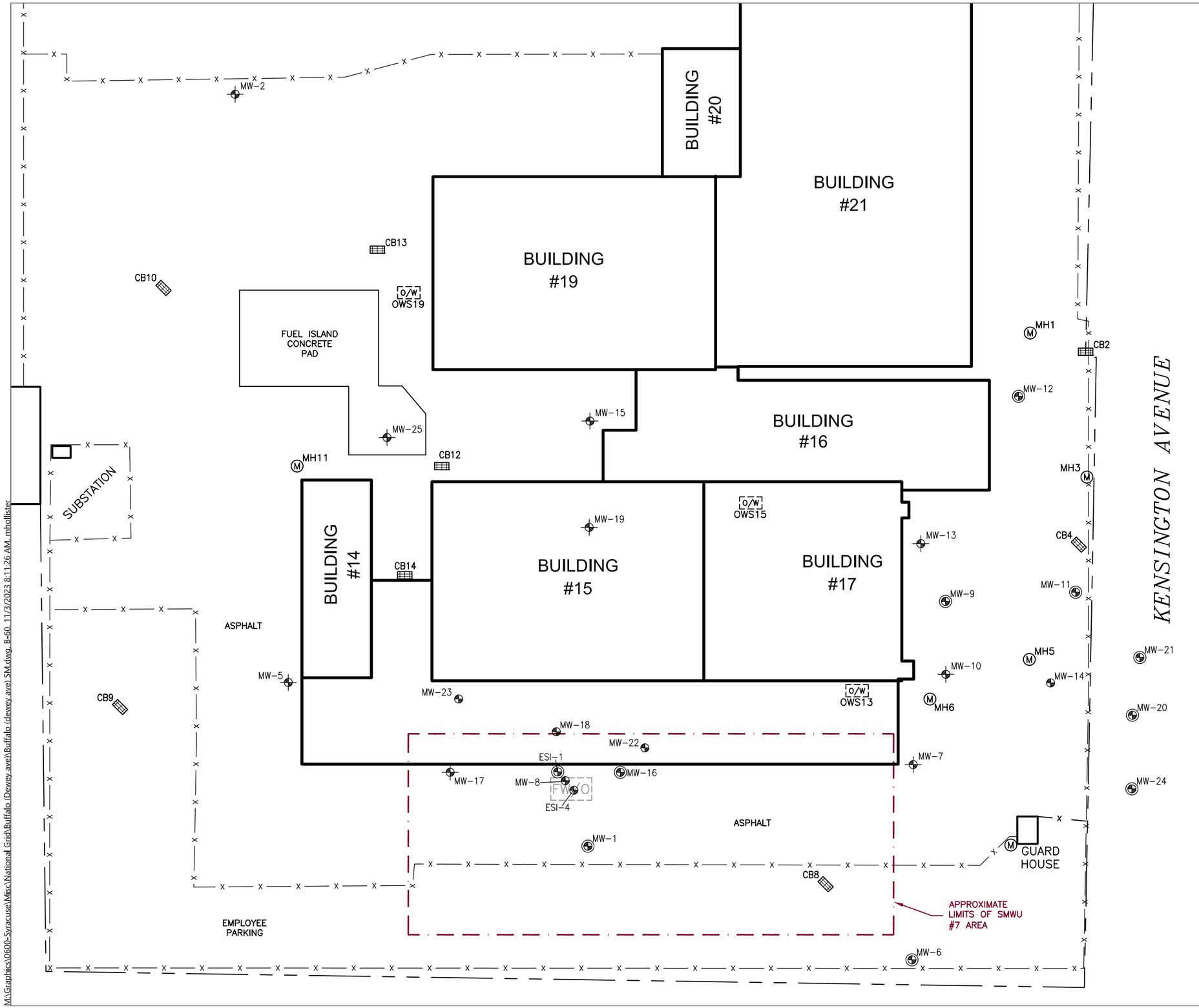


LEGEND

- PROPERTY BOUNDARY
- FENCE
- FORMER WASTE OIL TANK
- OIL/WATER SEPARATOR
- CATCH BASIN
- UTILITY MANHOLE
- MONITORING WELL
- MONITORING WELL (SAMPLED ANNUALLY)
- MONITORING WELL (ANNUAL GAUGING ONLY)

Site Map

National Grid
Dewey Avenue Service Center
93 Dewey Avenue
Buffalo, New York

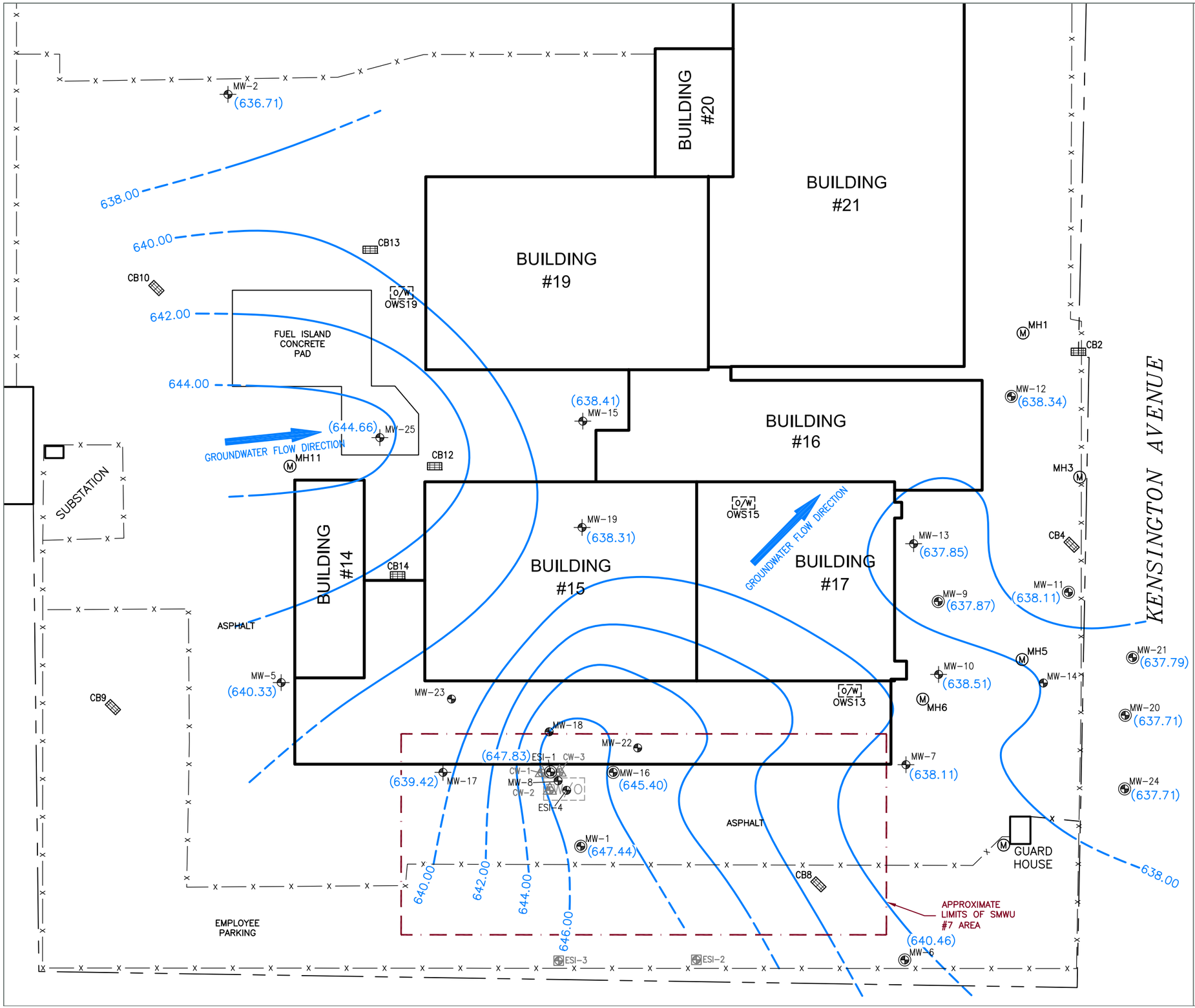
Drawn M.R.H.
Designed
Approved

Date 11/02/23
Figure 2

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Buffalo (Dewey ave)\Buffalo (dewey ave) SM.dwg, B-60, 11/3/2023 8:11:26 AM, mhollister



LEGEND

- PROPERTY BOUNDARY
- FENCE
- FORMER WASTE OIL TANK
- OIL/WATER SEPARATOR
- CATCH BASIN
- UTILITY MANHOLE
- MONITORING WELL
- MONITORING WELL (SAMPLED ANNUALLY)
- MONITORING WELL (ANNUAL GAUGING ONLY)
- MONITORING WELL (DECOMMISSIONED APRIL 2004)
- COLLECTION WELL (DECOMMISSIONED APRIL 2004)
- GROUNDWATER ELEVATION CONTOUR (feet)
  INFERRED CONTOUR
- (647.44) GROUNDWATER ELEVATION (feet)

Groundwater Monitoring Map
June 18, 2024

National Grid
Dewey Avenue Service Center
93 Dewey Avenue
Buffalo, New York

Drawn: R.J.
Designed: R.K.
Approved:
Date: 08/27/24
Figure: 3

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

Figure 4

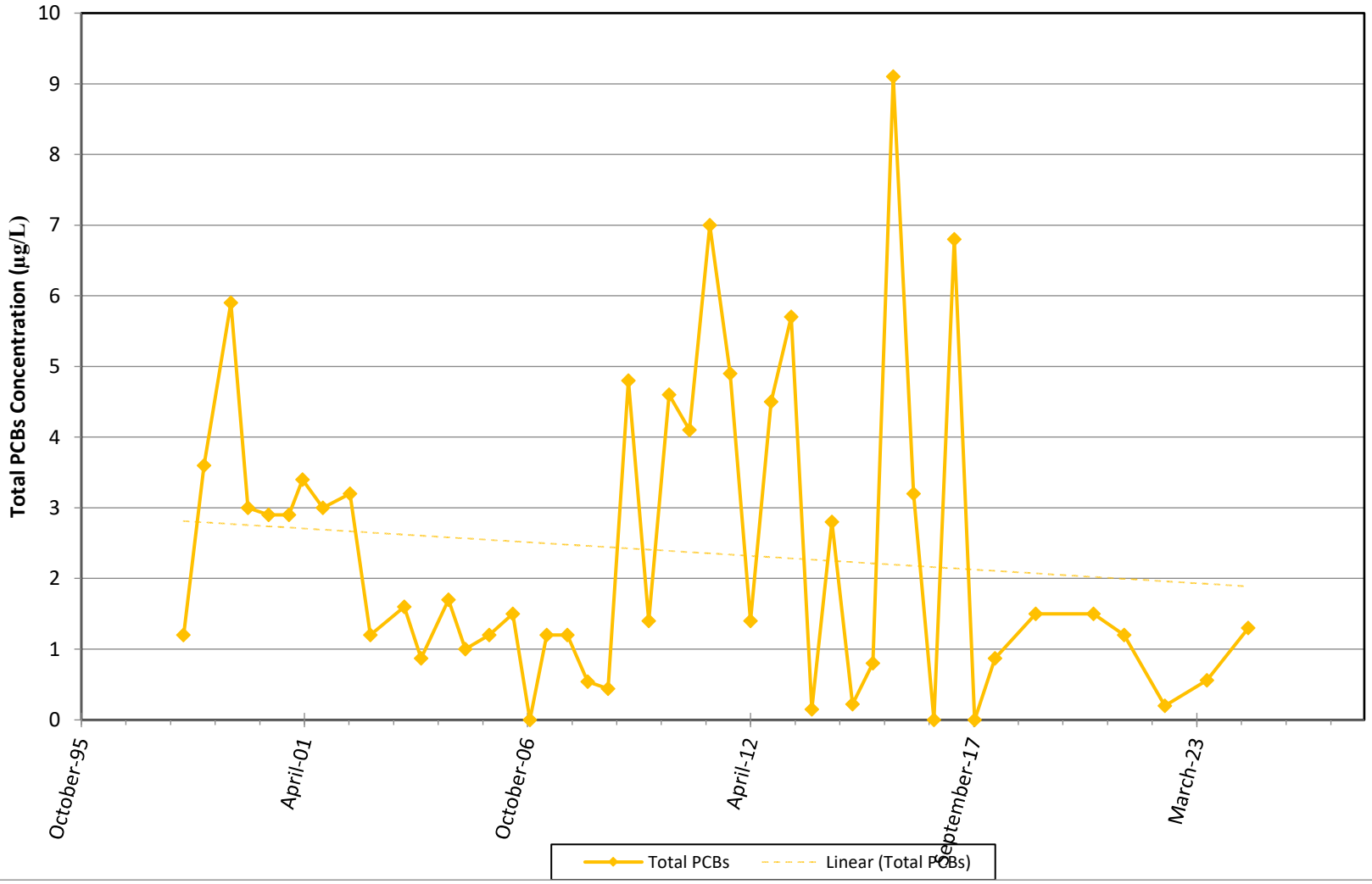
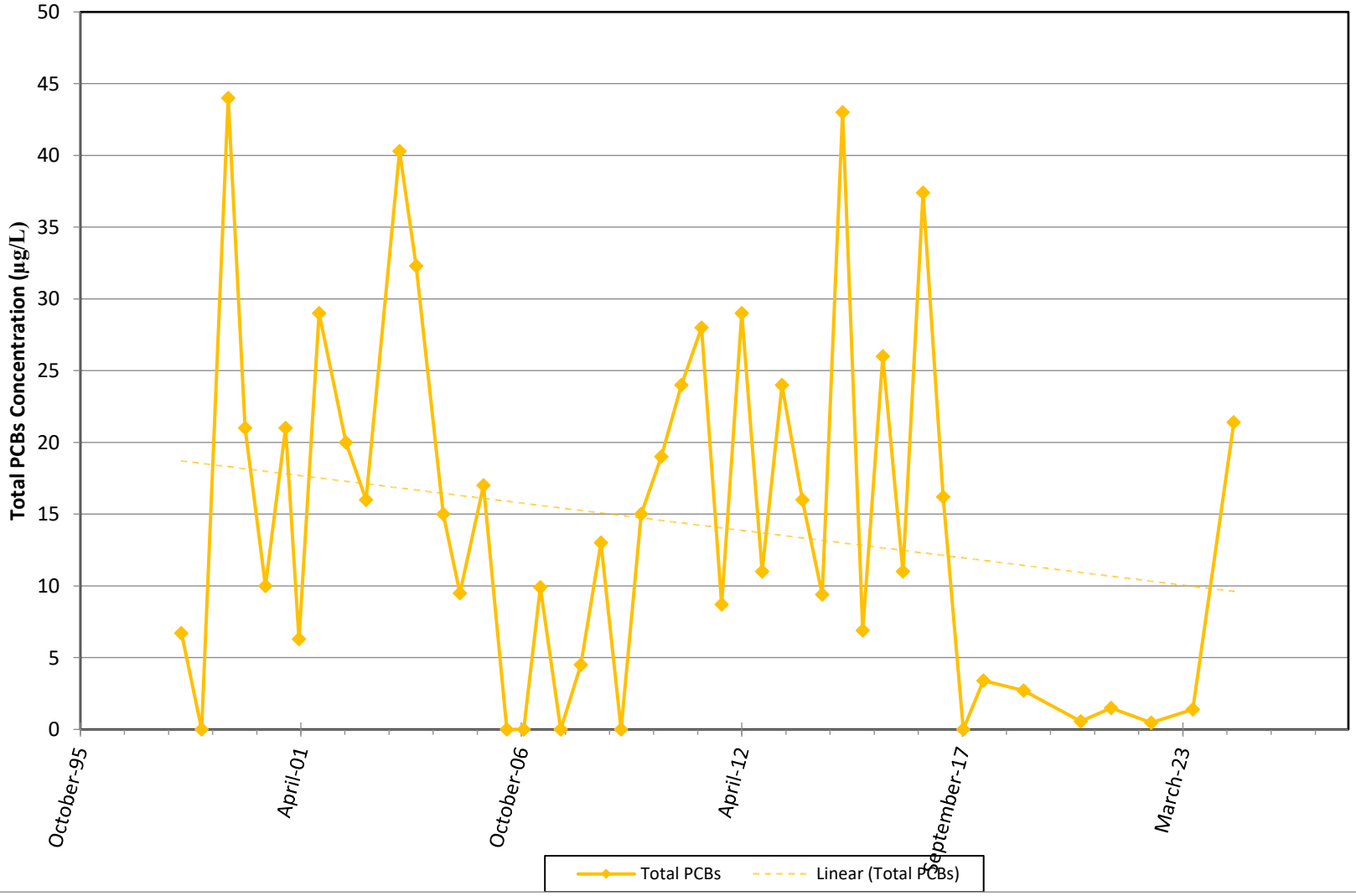

Monitoring Well MW-1
Total PCBs vs. Time
Total PCBs Concentration (µg/L)
10
9
8
7
6
5
4
3
2
1
0
October-95
April-01
October-06
April-12
September-17
March-23
Total PCBs
Linear (Total PCBs)

Figure 5


Monitoring Well MW-9
Total PCBs vs. Time
Total PCBs Concentration (µg/L)
50
45
40
35
30
25
20
15
10
5
0
October-95
April-01
October-06
April-12
September-17
March-23
Total PCBs
Linear (Total PCBs)

Tables

Table 3

Groundwater Elevations

Well ID	TOC Elevation (ft AMSL)	Depth to Well Bottom (ft BTOC)	Well Bottom Elev. (ft AMSL)	June 2006 DTW (ft BTOC)	June 2006 Potentiometric Surface Elev. (ft AMSL)	November 2006 DTW (ft BTOC)	November 2006 Potentiometric Surface Elev. (ft AMSL)	April 2007 DTW (ft BTOC)	April 2007 Potentiometric Surface Elev. (ft AMSL)	October 2007 DTW (ft BTOC)	October 2007 Potentiometric Surface Elev. (ft AMSL)	April 2008 DTW (ft BTOC)	April 2008 Potentiometric Surface Elev. (ft AMSL)	October 2008 DTW (ft BTOC)	October 2008 Potentiometric Surface Elev. (ft AMSL)
MW-1	650.76	29.90	620.86	3.38	647.38	3.20	647.56	2.80	647.96	3.37	647.39	2.95	647.81	3.50	647.26
MW-2	650.55	44.17	606.38	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	651.65	21.40	630.25	11.40	640.25	12.30	639.35	11.42	640.23	12.95	638.70	11.41	640.24	13.47	638.18
MW-6	650.25	21.05	629.20	10.90	639.35	11.50	638.75	7.42	642.83	10.82	639.43	9.92	640.33	10.40	639.85
MW-7	650.02	21.30	628.72	11.91	638.11	11.73	638.29	10.78	639.24	11.92	638.10	11.04	638.98	12.10	637.92
MW-9	648.95	22.05	626.90	10.98	637.97	10.66	638.29	10.80	638.15	10.62	638.33	10.25	638.70	11.02	637.93
MW-10	649.46	24.25	625.21	11.10	638.36	9.45	640.01	9.80	639.66	10.46	639.00	10.49	638.97	10.82	638.64
MW-11	647.11	20.22	626.89	8.75	638.36	8.56	638.55	8.07	639.04	8.82	638.29	8.43	638.68	8.68	638.43
MW-12	646.90	19.55	627.35	8.60	638.30	8.47	638.43	7.89	639.01	8.58	638.32	8.12	638.78	8.00	638.90
MW-13	650.05	26.25	623.80	11.85	638.20	11.50	638.55	10.10	639.95	11.70	638.35	11.40	638.65	11.83	638.22
MW-15	651.88	23.80	628.08	12.42	639.46	12.19	639.69	9.62	642.26	12.94	638.94	12.68	639.20	13.25	638.63
MW-16	651.72	20.36	631.36	8.58	643.14	7.30	644.42	8.00	643.72	6.95	644.77	7.87	643.85	6.79	644.93
MW-17	651.76	20.60	631.16	12.52	639.24	12.96	638.80	13.27	638.49	12.93	638.83	13.72	638.04	13.05	638.71
MW-19	651.69	24.00	627.69	12.90	638.79	12.85	638.84	12.20	639.49	13.00	638.69	12.70	638.99	13.05	638.64
MW-20	646.76	22.60	624.16	8.86	637.90	8.64	638.12	8.05	638.71	8.92	637.84	8.38	638.38	8.88	637.88
MW-21	646.70	21.85	624.85	8.42	638.28	8.40	638.30	7.98	638.72	8.85	637.85	8.04	638.66	8.68	638.02
MW-24	647.01	24.25	622.76	9.00	638.01	8.69	638.32	8.08	638.93	8.88	638.13	8.47	638.54	8.95	638.06
MW-25	651.56	15.36	-	-	-	-	-	-	-	-	-	-	-	7.25	-
ESI-1	651.66	21.50	630.16	4.00 (3.98)**	647.66 (647.68)**	4.00	647.66	3.50	648.16	4.10	647.56	3.66	648.00	4.28	647.38

Table 3

Groundwater Elevations

Well ID	April 2009 DTW (ft BTOC)	April 2009 Potentiometric Surface Elev. (ft AMSL)	October 2009 DTW (ft BTOC)	October 2009 Potentiometric Surface Elev. (ft AMSL)	April 2010 DTW (ft BTOC)	April 2010 Potentiometric Surface Elev. (ft AMSL)	October 2010 DTW (ft BTOC)	October 2010 Potentiometric Surface Elev. (ft AMSL)	April 2011 DTW (ft BTOC)	April 2011 Potentiometric Surface Elev. (ft AMSL)	October 2011 DTW (ft BTOC)	October 2011 Potentiometric Surface Elev. (ft AMSL)	April 2012 DTW (ft BTOC)	April 2012 Potentiometric Surface Elev. (ft AMSL)
MW-1	2.85	647.91	3.00	647.76	2.95	647.81	2.95	647.81	2.85	647.91	3.07	647.69	3.41	647.35
MW-2	-	-	-	-	*	*	*	*	*	*	15.26	635.29	12.75	637.80
MW-5	12.00	639.65	11.48	640.17	10.60	641.05	11.10	640.55	10.68	640.97	11.55	640.10	11.72	639.93
MW-6	7.85	642.40	10.60	639.65	8.90	641.35	8.50	641.75	6.90	643.35	10.20	640.05	10.10	640.15
MW-7	10.38	639.64	11.23	638.79	10.88	639.14	11.13	638.89	9.46	640.56	11.56	638.46	11.69	638.33
MW-9	9.98	638.97	10.63	638.32	10.45	638.50	10.15	638.80	9.70	639.25	10.76	638.19	11.02	637.93
MW-10	10.40	639.06	10.75	638.71	10.46	639.00	10.20	639.26	9.48	639.98	10.39	639.07	10.88	638.58
MW-11	8.15	638.96	8.44	638.67	8.52	638.59	8.57	638.54	7.80	639.31	8.76	638.35	8.98	638.13
MW-12	7.68	639.22	8.10	638.80	8.02	638.88	7.75	639.15	7.60	639.30	8.42	638.48	8.50	638.40
MW-13	11.03	639.02	11.45	638.60	11.40	638.65	11.12	638.93	10.66	639.39	11.65	638.40	11.95	638.10
MW-15	11.78	640.10	12.50	639.38	12.40	639.48	11.75	640.13	11.58	640.30	12.81	639.07	13.35	638.53
MW-16	6.26	645.46	6.00	645.72	5.20	646.52	5.67	646.05	6.45	645.27	5.40	646.32	6.65	645.07
MW-17	12.25	639.51	12.11	639.65	12.20	639.56	11.67	640.09	11.57	640.19	11.86	639.90	12.80	638.96
MW-19	11.96	639.73	12.70	638.99	12.55	639.14	12.22	639.47	11.08	640.61	12.82	638.87	13.27	638.42
MW-20	7.95	638.81	8.40	638.36	8.25	638.51	8.12	638.64	7.55	639.21	8.48	638.28	8.73	638.03
MW-21	7.93	638.77	8.15	638.55	8.20	638.50	8.06	638.64	7.65	639.05	8.35	638.35	8.80	637.90
MW-24	8.00	639.01	8.55	638.46	8.32	638.69	8.22	638.79	7.60	639.41	8.53	638.48	8.80	638.21
MW-25	7.02	-	7.18	-	7.20	-	7.03	-	7.20	-	7.20	-	7.20	-
ESI-1	3.55	648.11	3.70	647.96	3.60	648.06	3.55	648.11	3.68	647.98	3.94	647.72	4.18	647.48

Table 3

Groundwater Elevations

Well ID	October 2012 DTW (ft BTOC)	October 2012 Potentiometric Surface Elev. (ft AMSL)	April 2013 DTW (ft BTOC)	April 2013 Potentiometric Surface Elev. (ft AMSL)	October 2013 DTW (ft BTOC)	October 2013 Potentiometric Surface Elev. (ft AMSL)	April 2014 DTW (ft BTOC)	April 2014 Potentiometric Surface Elev. (ft AMSL)	October 2014 DTW (ft BTOC)	October 2014 Potentiometric Surface Elev. (ft AMSL)	April 2015 DTW (ft BTOC)	April 2015 Potentiometric Surface Elev. (ft AMSL)	October 2015 DTW (ft BTOC)	October 2015 Potentiometric Surface Elev. (ft AMSL)
MW-1	3.30	647.46	3.02	647.74	3.23	647.53	3.02	647.74	3.82	646.94	2.90	647.86	2.98	647.78
MW-2	12.20	638.35	11.62	638.93	11.42	639.13	11.30	639.25	15.40	635.15	14.60	635.95	13.00	637.55
MW-5	11.25	640.40	10.89	640.76	11.58	640.07	9.62	642.03	12.53	639.12	9.81	641.84	12.92	638.73
MW-6	9.90	640.35	7.58	642.67	8.25	642.00	7.95	642.30	11.15	639.10	8.46	641.79	10.30	639.95
MW-7	10.88	639.14	10.31	639.71	11.30	638.72	9.58	640.44	11.98	638.04	10.30	639.72	11.82	638.20
MW-9	10.58	638.37	10.07	638.88	10.00	638.95	9.75	639.20	11.16	637.79	10.26	638.69	10.70	638.25
MW-10	10.76	638.70	9.57	639.89	10.51	638.95	10.08	639.38	Not Gauged	Not Gauged	10.05	639.41	10.80	638.66
MW-11	8.14	638.97	8.12	638.99	8.25	638.86	7.95	639.16	8.80	638.31	8.23	638.88	8.55	638.56
MW-12	8.24	638.66	7.91	638.99	8.04	638.86	7.73	639.17	8.90	638.00	8.00	638.90	8.41	638.49
MW-13	11.50	638.55	11.05	639.00	11.31	638.74	10.86	639.19	12.17	637.88	11.75	638.30	11.76	638.29
MW-15	12.47	639.41	12.21	639.67	12.22	639.66	12.08	639.80	13.62	638.26	12.50	639.38	13.00	638.88
MW-16	6.50	645.22	5.75	645.97	4.82	646.90	5.55	646.17	6.06	645.66	5.75	645.97	5.25	646.47
MW-17	12.37	639.39	11.75	640.01	12.45	639.31	11.23	640.53	12.19	639.57	10.87	640.89	13.08	638.68
MW-19	12.63	639.06	12.26	639.43	12.52	639.17	12.50	639.19	13.56	638.13	12.49	639.20	13.03	638.66
MW-20	8.82	637.94	7.80	638.96	8.20	638.56	7.80	638.96	9.00	637.76	8.12	638.64	8.22	638.54
MW-21	8.34	638.36	7.80	638.90	8.20	638.50	7.80	638.90	8.72	637.98	8.14	638.56	8.86	637.84
MW-24	8.40	638.61	7.90	639.11	8.30	638.71	7.92	639.09	9.13	637.88	8.22	638.79	8.80	638.21
MW-25	7.20	-	7.20	644.36	7.20	-	7.20	-	7.20	-	7.20	-	7.20	-
ESI-1	4.40	647.26	4.00	647.66	4.20	647.46	3.80	647.86	4.60	647.06	3.66	648.00	3.80	647.86

Table 3

Groundwater Elevations

Well ID	April 2016 DTW (ft BTOC)	April 2016 Potentiometric Surface Elev. (ft AMSL)	October 2016 DTW (ft BTOC)	October 2016 Potentiometric Surface Elev. (ft AMSL)	April 2017 DTW (ft BTOC)	April 2017 Potentiometric Surface Elev. (ft AMSL)	October 2017 DTW (ft BTOC)	October 2017 Potentiometric Surface Elev. (ft AMSL)	April 2018 DTW (ft BTOC)	April 2018 Potentiometric Surface Elev. (ft AMSL)	April 2019 DTW (ft BTOC)	April 2019 Potentiometric Surface Elev. (ft AMSL)	September 2020 DTW (ft BTOC)	September 2020 Potentiometric Surface Elev. (ft AMSL)	June 2021 DTW (ft BTOC)	June 2021 Potentiometric Surface Elev. (ft AMSL)
MW-1	2.82	647.94	3.52	647.24	2.92	647.84	3.22	647.54	2.72	648.04	2.89	647.87	3.68	647.08	3.87	646.89
MW-2	12.54	638.01	Not Gauged	Not Gauged	13.82	636.73	13.38	637.17	12.08	638.47	13.29	637.26	12.75	637.80	12.50	638.05
MW-5	10.60	641.05	13.75	637.90	10.49	641.16	13.51	638.14	9.98	641.67	9.90	641.75	12.37	639.28	11.25	640.40
MW-6	8.85	641.40	10.21	640.04	8.86	641.39	10.20	640.05	7.30	642.95	7.38	642.87	10.25	640.00	9.95	640.30
MW-7	10.51	639.51	11.60	638.42	Not Gauged	Not Gauged	11.58	638.44	9.77	640.25	9.97	640.05	11.84	638.18	11.62	638.40
MW-9	10.45	638.50	10.84	638.11	10.78	638.17	10.90	638.05	10.20	638.75	10.20	638.75	11.03	637.92	10.94	638.01
MW-10	9.92	639.54	10.36	639.10	10.31	639.15	10.70	638.76	9.42	640.04	9.35	640.11	10.55	638.91	10.75	638.71
MW-11	8.30	638.81	8.71	638.40	8.47	638.64	8.34	638.77	8.25	638.86	8.12	638.99	8.53	638.58	8.81	638.30
MW-12	8.24	638.66	8.64	638.26	8.43	638.47	8.65	638.25	8.04	638.86	7.92	638.98	8.74	638.16	8.69	638.21
MW-13	11.46	638.59	11.82	638.23	11.88	638.17	11.93	638.12	11.20	638.85	11.15	638.90	12.00	638.05	11.87	638.18
MW-15	12.88	639.00	12.95	638.93	13.13	638.75	13.18	638.70	12.52	639.36	12.37	639.51	13.31	638.57	13.25	638.63
MW-16	6.00	645.72	5.52	646.20	6.40	645.32	15.50	636.22	5.68	646.04	5.90	645.82	5.74	645.98	5.95	645.77
MW-17	13.05	638.71	12.50	639.26	12.15	639.61	12.45	639.31	11.75	640.01	11.45	640.31	12.54	639.22	11.80	639.96
MW-19	12.83	638.86	13.00	638.69	13.00	638.69	13.60	638.09	12.42	639.27	12.42	639.27	13.32	638.37	13.62	638.07
MW-20	8.40	638.36	8.65	638.11	8.60	638.16	8.78	637.98	7.98	638.78	7.80	638.96	8.84	637.92	8.95	637.81
MW-21	8.28	638.42	8.61	638.09	8.55	638.15	8.70	638.00	8.00	638.70	7.92	638.78	8.70	638.00	9.03	637.67
MW-24	8.52	638.49	8.80	638.21	8.75	638.26	8.83	638.18	8.10	638.91	8.00	639.01	9.00	638.01	9.10	637.91
MW-25	6.71	-	6.65	-	6.88	-	6.88	-	6.42	-	5.39	-	6.98	-	6.60	-
ESI-1	3.55	648.11	4.20	647.46	3.78	647.88	4.00	647.66	3.30	648.36	3.60	648.06	4.50	647.16	4.60	647.06

Well ID	June 2022 DTW (ft BTOC)	June 2022 Potentiometric Surface Elev. (ft AMSL)	June 2023 DTW (ft BTOC)	June 2023 Potentiometric Surface Elev. (ft AMSL)	June 2024 DTW (ft BTOC)	June 2024 Potentiometric Surface Elev. (ft AMSL)
MW-1	2.87	647.89	3.40	647.36	3.32	647.44
MW-2	13.00	637.55	12.55	638.00	13.84	636.71
MW-5	10.75	640.90	11.75	639.90	11.32	640.33
MW-6	9.70	640.55	10.02	640.23	9.79	640.46
MW-7	11.27	638.75	10.75	639.27	11.91	638.11
MW-9	10.57	638.38	11.00	637.95	11.08	637.87
MW-10	10.49	638.97	10.77	638.69	10.95	638.51
MW-11	8.50	638.61	8.92	638.19	9.00	638.11
MW-12	8.22	638.68	8.65	638.25	8.56	638.34
MW-13	11.60	638.45	12.08	637.97	12.20	637.85
MW-15	12.87	639.01	13.31	638.57	13.47	638.41
MW-16	5.60	646.12	7.00	644.72	6.32	645.40
MW-17	12.46	639.30	12.31	639.45	12.34	639.42
MW-19	12.89	638.80	13.32	638.37	13.38	638.31
MW-20	8.43	638.33	8.90	637.86	9.05	637.71
MW-21	8.50	638.20	8.75	637.95	8.91	637.79
MW-24	8.57	638.44	9.06	637.95	9.30	637.71
MW-25	6.42	645.14	6.19	645.37	6.90	644.66
ESI-1	3.65	648.01	4.15	647.51	3.83	647.83

TOC = Top of Well Casing
AMSL = Above Mean Sea Level
DTW = Depth to Water
BTOC = Below Top of Casing
** = Light non-aqueous phase liquid (LNAPL) observed in ESI-1 only. Numbers in parentheses present depths and elevations to LNAPL.

* = MW-2 is typically inaccessible due to staged equipment.
- = Depth is unknown
MW-25 was surveyed in February 2022, with a TOC elevation of 651.56 ft AMSL

Table 4

Analytical Data
Total PCBs Concentrations in µg/L

Date	NYSDEC AWQS [µg/L]	MW-1	MW-6	MW-9	MW-11	MW-12	MW-20	MW-21	MW-24
June 2024	0.09	**1.3**	ND	**21.4**	ND	ND	ND	ND	ND
June 2023	0.09	**0.56**	ND	**1.4**	ND	ND	ND	ND	ND
June 2022	0.09	**0.20**	ND	**0.47**	ND	ND	ND	ND	ND
June 2021	0.09	**1.2**	ND	**1.5**	ND	ND	ND	ND	ND
September 2020	0.09	**1.5**	ND	**0.55**	ND	ND	ND	ND	ND
April 2019	0.09	**1.5**	ND	**2.7**	ND	ND	ND	ND	ND
April 2018	0.09	**0.87**	ND	**3.4**	ND	ND	ND	ND	ND
October 2017	0.09	ND	ND	ND	ND	ND	ND	ND	ND
April 2017	0.09	6.8 J	ND	**16.2**	ND	ND	ND	ND	ND
October 2016	0.09	ND	ND	**37.4**	ND	ND	ND	ND	ND
April 2016	0.09	**3.2**	ND	**11**	ND	ND	ND	ND	ND
October 2015	0.09	**9.10**	ND	**26**	ND	ND	0.053	ND	ND
April 2015	0.09	**0.8**	ND	**6.9**	ND	ND	ND	ND	ND
October 2014	0.09	**0.22**	ND	**43**	ND	ND	ND	ND	ND
April 2014	0.09	**2.8**	ND	**9.4**	ND	ND	ND	ND	ND
October 2013	0.09	**0.15**	ND	**16.0**	**0.10**	ND	ND	ND	ND
April 2013	0.09	**5.7**	ND	**24.0**	ND	ND	ND	ND	ND
October 2012	0.09	**4.5**	**0.16**	**11.0**	ND	ND	ND	ND	0.051
April 2012	0.09	**1.4**	ND	**29.0**	ND	ND	ND	ND	ND
October 2011	0.09	**4.9**	ND	**8.7**	ND	ND	ND	ND	ND
April 2011	0.09	**7.0**	ND	**28.0**	ND	ND	ND	ND	ND
October 2010	0.09	**4.1**	ND	**24.0**	ND	ND	ND	ND	ND
April 2010	0.09	**4.6**	ND	**19.0**	ND	ND	ND	ND	ND
October 2009	0.09	1.4 QSU	ND	15 QSU, D08	ND	ND	ND	ND	ND
April 2009	0.09	**4.8**	**1.1**	ND	ND	ND	ND	ND	ND
October 2008	0.09	**0.44**	ND	**13**	**0.44**	ND	ND	ND	ND
April 2008	0.09	**0.54**	ND	**4.5**	ND	0.01	ND	ND	ND
October 2007	0.09	**1.2**	ND	ND	ND	ND	ND	ND	ND
April 2007	0.09	**1.2**	ND	**9.9**	ND	ND	ND	ND	ND
November 2006	0.09	ND	ND	ND	ND	ND	ND	ND	ND
June 2006	0.09	**1.5**	ND	ND	ND	ND	ND	ND	ND
November 2005	0.09	**1.2**	ND	**17**	ND	ND	ND	ND	ND
April 2005	0.09	**1**	ND	**9.5**	ND	ND	ND	ND	ND
November 2004	0.09	1.7 P	ND	**15**	ND	ND	ND	ND	ND
March 2004	0.09	0.87 P	ND	32.3 P	ND	ND	ND	ND	ND
October 2003	0.09	**1.6**	ND	40.3 PJ	ND	ND	ND	ND	ND
December 2002	0.09	**1.2**	ND	**16**	ND	ND	ND	ND	ND
June 2002	0.09	3.2 J	ND	20 J	ND	ND	ND	ND	ND
October 2001	0.09	3.0 J	ND	29 J	ND	ND	ND	ND	NS
April 2001	0.09	**3.4**	NS	**6.3**	ND	ND	ND	ND	NS
December 2000	0.09	2.9 J	NS	21 J	ND	ND	ND	ND	NS
June 2000	0.09	**2.9**	NS	10 J	ND	ND	NS	NS	NS
December 1999	0.09	3.0 J	NS	21 J	ND	ND	NS	NS	NS
July 1999	0.09	5.9 J	NS	44 J	ND	ND	NS	NS	NS
November 1998	0.09	**3.6**	NS	ND	ND	ND	NS	NS	NS
May 1998	0.09	**1.2**	NS	**6.7**	NS	NS	NS	NS	NS

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
J = Estimated Concentration
P = Greater than 25% difference for detected concentration between two GC columns.
QSU = Sulfur (EPA 3660) clean-up performed on extract.
D08 = Dilution required due to high concentration of target analyte(s).
ND = Not Detected above detection limit.
NS = Not Sampled.
Bolded = values indicate exceedance of the NYSDEC AWQS

Table 5

Analytical Data

MW-16

Volatile Organic Compound Concentraions in µg/L

Analyte	NYSDEC AWQS [µg/L]	6/13/2022	6/13/2023	6/17/2024
Acetone	50	ND	ND	NS
Benzene	1	ND	ND	ND
Bromochloromethane	--	ND	ND	NS
Bromodichloromethane	50	ND	ND	NS
Bromoform	50	ND	ND	NS
Bromomethane	5	ND	ND	NS
2-Butanone (MEK)	50	ND	ND	NS
Carbon disulfide	60	ND	ND	NS
Carbon tetrachloride	5	ND	ND	NS
Chlorobenzene	5	ND	ND	NS
Chloroethane	5	ND	ND	NS
Chloroform	7	ND	ND	NS
Chloromethane	5	ND	ND	NS
Cyclohexane	--	ND	ND	NS
1,2-Dibromo-3-chloropropane	--	ND	ND	NS
Dibromochloromethane	50	ND	ND	NS
1,2-Dibromoethane	--	ND	ND	NS
1,2-Dichlorobenzene	--	ND	ND	NS
1,3-Dichlorobenzene	--	ND	ND	NS
1,4-Dichlorobenzene	--	ND	ND	NS
Dichlorodifluoromethane	--	ND	ND	NS
1,1-Dichloroethane	5	ND	ND	NS
1,2-Dichloroethane	0.6	ND	ND	NS
1,1-Dichloroethene	5	ND	ND	NS
cis-1,2-Dichloroethene	5	ND	ND	NS
trans-1,2-Dichloroethene	5	ND	ND	NS
1,2-Dichloropropane	1	ND	ND	NS
cis-1,3-Dichloropropene	0.4	ND	ND	NS
trans-1,3-Dichloropropene	0.4	ND	ND	NS
Ethylbenzene	5	ND	ND	ND
Freon 113	--	ND	ND	NS
2-Hexanone	50	ND	ND	NS
Isopropylbenzene	5	ND	ND	NS
Methyl Acetate	--	ND	ND	NS
Methylcyclohexane	--	ND	ND	NS
Methyl Tert Butyl Ether	10	ND	ND	NS
4-Methyl-2-pentanone(MIBK)	--	ND	ND	NS
Methylene chloride	5	ND	ND	NS
Naphthalene	10	ND	ND	ND
Styrene	5	ND	ND	NS
1,1,2,2-Tetrachloroethane	5	ND	ND	NS
Tetrachloroethene	5	ND	ND	NS
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	--	ND	ND	NS
1,2,4-Trichlorobenzene	--	ND	ND	NS
1,1,1-Trichloroethane	5	ND	ND	NS
1,1,2-Trichloroethane	1	ND	ND	NS
Trichloroethene	5	ND	ND	NS
Trichlorofluoromethane	--	ND	ND	NS
Vinyl chloride	2	ND	ND	NS
m,p-Xylene	--	ND	ND	ND
o-Xylene	--	ND	ND	ND
Xylene (total)	5	ND	ND	ND
Total VOCs	--	ND	ND	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
VOC = Volatile Organic Compounds
J = Estimated Concentration
ND = Not Detected above detection limit.
NS = Not Sampled.
Bolded = values indicate exceedance of the NYSDEC AWQS

Appendix A – Groundwater Monitoring Field Data

National Grid
Dewey Avenue Service Center
144 Kensington Avenue
Buffalo, New York

Annual Event

Well ID.	Sample?	Well Size	DTP	DTW	DTB	Comments
ESI-1	VOC's If no product	4"		3.83	21.50	Checked sorbant sock
MW-1	yes	4"		3.32	29.90	
MW-2	no	4"		13.84	44.17	
MW-5	no			11.32	21.40	
MW-6	yes	2"		9.79	21.05	MS/MSD
MW-7	no	2"		11.91	21.30	
MW-9	yes	2"		11.08	22.05	
MW-10	no	2"		10.95	24.25	
MW-11	yes	2"		9.00	20.22	
MW-12	yes	2"		8.56	19.55	Field Duplicate
MW-13	no	2"		12.20	26.25	
MW-15	no	2"		13.47	23.80	
MW-16	VOC's If no product	2"		6.32	20.36	
MW-17	no	2"		12.34	20.60	
MW-19	no	2"		13.38	24.00	
MW-20	yes	2"		9.05	22.60	
MW-21	yes	2"		8.91	21.85	
MW-24	yes	2"		9.30	24.25	
MW-25	no	2"		6.90	15.36	

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-1**

Date: 6/17/24
Weather: 87°F, cloudy
Time In: 1420 Time Out: 1505

Well Information

		TOC	Other
Depth to Water:	(feet)	3.32	
Depth to Bottom:	(feet)	29.90	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	26.58	
Volume of Water in Well:	(gal)	17.5	
Three Well Volumes:	(gal)	52.6	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [ ] SS [ ] Other: steel
Well Diameter: 1" [ ] 2" [ ] Other: 4"
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1425	3.18		19.70	7.11	-110	17.9	2.0	0.80
1430	3.18	0.5	19.77	7.09	-110	18.6	6.8	0.86
1435	3.18		19.77	7.08	-113	18.7	6.3	0.82
1440	3.18	1.5	19.48	7.07	-115	18.6	3.7	0.65
1445	3.18		19.32	7.07	-116	18.7	4.2	0.68
1450	3.18		19.32	7.07	-116	18.7	3.7	0.67
1455	3.18	2.5	19.43	7.07	-116	18.7	2.6	0.46

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Sample ID: MW-1
Sample Time: 1500
Duplicate? Yes [ ] No [X]
MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-6**

Date: 6/18/24
Weather: 85°F, mostly cloudy
Time In: 1120 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	9.79	
Depth to Bottom:	(feet)	21.05	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	11.26	
Volume of Water in Well:	(gal)	1.80	
Three Well Volumes:	(gal)	5.40	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]		
Average Pumping Rate:	200 (ml/min)					
Duration of Pumping:	30 (min)					
Total Volume Removed:	(gal)					

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1125	10.02		18.28	7.30	-114	8.02	102	1.11
1130	10.02		18.35	7.07	-105	14.1	139	1.03
1135	10.03		18.19	6.96	-104	14.5	47.5	0.50
1140	10.03		18.12	6.96	-104	14.5	38.2	0.48
1145	10.05		17.99	6.96	-103	14.7	24.6	0.45
1150	10.05		17.98	6.96	-103	14.7	19.3	0.43
1155	10.05		18.01	6.96	-103	14.8	13.1	0.40

Sampling Information:

EPA SW-846 Method 8082 PCB's
EPA SW-846 Method 8260 TCL VOC's
Low detection limit of 0.05 ppb Including Naphthalene
6 - 1 liter amber
2 - 40 mL vials
Yes [X] No [ ]
Yes [ ] No [X]

Sample ID: MW-6 **MW-6-MS and MW-6-MSD**
Sample Time: 1200
Duplicate? Yes [ ] No [X]
MS/DMS? Yes [X] No [ ]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-9**

Date: 6/17/24
Weather: 85°F, mostly cloudy
Time In: 1240 Time Out: 1325

Well Information

		TOC	Other
Depth to Water:	(feet)	11.09	
Depth to Bottom:	(feet)	22.05	
Depth to Product:	(feet)	ND	
Length of Water Column:	(feet)	10.96	
Volume of Water in Well:	(gal)	1.75	
Three Well Volumes:	(gal)	5.26	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Average Pumping Rate:	(ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1245	11.90		18.83	7.30	96	9.55	0.6	1.03
1250	12.07	0.5	19.43	7.15	-92	8.58	0.1	1.12
1255	12.10		19.06	7.06	-100	8.28	0.1	0.85
1300	12.11	1.5	18.81	7.04	-99	8.25	0.1	0.81
1305	12.13		18.65	7.03	-98	8.27	0.0	0.80
1310	12.13		18.50	7.03	-97	8.28	0.0	0.80
1315	12.13	2.5	18.43	7.03	-97	8.29	0.0	0.82

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Sample ID: **MW-9** Duplicate? Yes [ ] No [X]
Sample Time: 1320 MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-11**

Date: 6/17/24
Weather: 84°F, mostly cloudy
Time In: 1150 Time Out: 1235

Well Information

		TOC	Other
Depth to Water:	(feet)	9.00	
Depth to Bottom:	(feet)	20.22	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	11.22	
Volume of Water in Well:	(gal)	1.79	
Three Well Volumes:	(gal)	5.3	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]		
Average Pumping Rate:	200 (ml/min)					
Duration of Pumping:	30 (min)					
Total Volume Removed:	2.5 (gal)					

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1155	10.10		18.76	7.31	167	7.79	2.5	0.94
1200	10.48	0.5	18.81	7.35	216	9.88	1.7	1.20
1205	10.96		18.24	7.35	234	10.2	1.1	0.91
1210	11.18	1.5	18.03	7.34	227	10.3	1.4	0.87
1215	11.29		18.30	7.34	225	10.3	1.2	0.90
1220	11.38		18.22	7.34	226	10.3	1.1	0.89
1225	11.45	2.5	18.01	7.35	228	10.3	1.7	0.83

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Sample ID: MW-11 Duplicate? Yes [ ] No [X]
Sample Time: 1230 MS/DMS? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-12**

Date: 6/17/24
Weather: 82°F, mostly cloudy
Time In: 1100 Time Out: 1145

Well Information

		TOC	Other
Depth to Water:	(feet)	8.56	
Depth to Bottom:	(feet)	19.55	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.99	
Volume of Water in Well:	(gal)	1.75	
Three Well Volumes:	(gal)	5.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method: Peristaltic [X] Grundfos Pump [ ] other [ ]
Tubing/Bailer Material: Teflon [ ] Stainless St. [ ] Polyethylene [X] other [ ]
Sampling Method: Bailer [ ] Peristaltic [X] Grundfos Pump [ ] other [ ]
Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.0 (gal)
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]
Did well go dry? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1105	9.42		19.80	7.39	93	5.66	41.1	4.19
1110	9.85	0.5	19.47	7.35	105	5.66	25.0	2.54
1115	10.11		19.03	7.30	116	5.67	14.2	1.06
1120	10.18	1.0	18.81	7.28	125	5.68	8.0	0.68
1125	10.25		18.67	7.27	129	5.68	5.4	0.57
1130	10.25	1.5	18.65	7.27	126	5.69	4.3	0.51
1135	10.30	2.0	18.59	7.27	121	5.69	3.1	0.46

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 4 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Field Duplicate
Sample ID: MW-12 Duplicate? Yes [X] No [ ]
Sample Time: 1140 MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X] Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-16**

Date: 6/17/24
Weather: 86°F, cloudy
Time In: 1330 Time Out: 1415

Well Information

		TOC	Other
Depth to Water:	(feet)	6.32	
Depth to Bottom:	(feet)	20.36	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	14.04	
Volume of Water in Well:	(gal)	2.24	
Three Well Volumes:	(gal)	6.7	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1335	7.15		19.42	7.07	-106	12.6	15.7	1.09
1340	7.52	0.5	20.27	7.11	-116	17.8	22.8	1.12
1345	7.58		20.07	7.10	-116	18.2	11.9	0.88
1350	7.60	1.5	19.94	7.13	-112	16.7	4.5	0.85
1355	7.62		19.87	7.12	-111	16.9	2.0	0.84
1400	7.62		19.87	7.12	-111	16.9	1.8	0.83
1405	7.62	2.5	19.81	7.11	-111	17.2	1.5	0.81

Sampling Information:

EPA SW-846 Method 8082 PCB's
EPA SW-846 Method 8260 TCL VOC's
Low detection limit of 0.05 ppb Including Naphthalene
4 - 1 liter amber
3 - 40 mL vials
Yes [ ] No [X]
Yes [X] No [ ]

Sample ID: MW-16
Sample Time: 1410
Duplicate? Yes [ ] No [X]
MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id: **MW-20**

Date: 6/18/24
Weather: 81°F, cloudy, light rain
Time In: 0940 Time Out: 1025

Well Information

		TOC	Other
Depth to Water:	(feet)	9.05	
Depth to Bottom:	(feet)	22.60	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	13.55	
Volume of Water in Well:	(gal)	2.16	
Three Well Volumes:	(gal)	6.5	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
0945	9.14		16.27	7.13	-135	11.1	0.1	1.87
0950	9.14		16.75	7.15	-123	11.3	0.0	1.44
0955	9.14		16.77	7.06	-145	11.5	0.0	0.76
1000	9.14		16.38	7.05	-154	11.7	0.0	0.77
1005	9.14		16.31	7.04	-142	11.8	0.0	0.85
1010	9.14		16.48	7.04	-144	11.8	0.0	0.86
1015	9.14		16.50	7.04	-170	11.8	0.0	0.85

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Sample ID: MW-20 Duplicate? Yes [ ] No [X]
Sample Time: 1020 MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, NY

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-21**

Date: 6/18/24
Weather: 83°F, mostly cloudy
Time In: 1025 Time Out: 1110

Well Information

		TOC	Other
Depth to Water:	(feet)	8.91	
Depth to Bottom:	(feet)	21.85	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	12.94	
Volume of Water in Well:	(gal)	2.07	
Three Well Volumes:	(gal)	6.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]	
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
1030	10.20		16.73	7.23	-147	9.91	98.1	1.10
1035	11.28		17.25	7.44	-158	7.01	152	1.02
1040	11.31		17.25	7.44	-158	7.01	152	1.02
1045	11.31		17.74	7.46	-145	5.83	43.4	0.67
1050	11.31		17.97	7.47	-136	5.35	27.9	0.63
1055	11.31		18.05	7.48	-134	5.14	26.7	0.62
1100	11.31		18.11	7.49	-132	4.99	26.3	0.64

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No

Sample ID: MW-21
Sample Time: 1105
Duplicate? Yes [ ] No [X]
MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

National Grid
Dewey Avenue Service Center, 144 Kensington Ave, Buffalo, New York

Sampling Personnel: ~~T Beaumont~~ A. Jordan
Job Number: 0603400-142140-221
Well Id. **MW-24**

Date: 6/18/24
Weather: 75°F, mostly cloudy
Time In: 0705 Time Out: 0750

Well Information

		TOC	Other
Depth to Water:	(feet)	9.30	
Depth to Bottom:	(feet)	24.25	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	14.95	
Volume of Water in Well:	(gal)	2.39	
Three Well Volumes:	(gal)	7.17	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	other [ ]

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Amount purged (gal)	Temp °C	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
0710	9.33		17.09	7.23	-113	11.2	0.8	2.06
0715	9.35		16.91	7.14	-122	11.1	0.3	1.80
0720	9.35		16.55	7.04	-137	11.0	0.0	1.41
0725	9.35		16.33	7.02	-146	11.0	0.0	1.30
0730	9.35		16.14	7.02	-153	11.0	0.0	1.38
0735	9.35		16.09	7.02	-159	11.0	0.0	1.47
0740	9.35		16.03	7.02	-163	11.0	0.0	1.47

Sampling Information:

EPA SW-846 Method 8082 PCB's Low detection limit of 0.05 ppb 2 - 1 liter amber Yes [X] No [ ]
EPA SW-846 Method 8260 TCL VOC's Including Naphthalene 2 - 40 mL vials Yes [ ] No [X]

Sample ID: MW-24
Sample Time: 0745
Duplicate? Yes [ ] No [X]
MS/DMS? Yes [ ] No [X]

Shipped: Buffalo Service Center [X]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, NY

Comments/Notes:

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-195169-40603.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-142140-221-1106			
E-mail: tbeaumont@gesonline.com	WO #:			
Project Name: Dewey Avenue Service Center Event Desc: Dewey Avenue Ser	Project #: 48027231			
Site: Dewey Avenue Service Center Annual GWS	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wastewater, Sewage, Groundwater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX + Naphthalene	8082A - TCL PCBs	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
MW-1	6/17/24	1500	G	Water				2	2	
MW-6	6/18/24	1200	G	Water				2	2	
MW-6-MS	6/18/24	1200	G	Water				2	2	
MW-6-MSD	6/18/24	1206	G	Water				2	2	
MW-9	6/17/24	1320	G	Water				2	2	
MW-11	6/17/24	1230	G	Water				2	2	
MW-12	6/17/24	1140	G	Water				2	2	
MW-20	6/18/24	1020	G	Water				2	2	
MW-21	6/18/24	1105	G	Water				2	2	
MW-24	6/18/24	0745	G	Water				2	2	
Field Duplicate	6/17/24	1200	G	Water				2	2	
MW-16	6/17/24	1410	G	Water			3		3	
Trip Blank				Water			3		3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 6/18/24 1300	Company	Received by:	Date/Time: 6-18-24 1300	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Appendix B – Purge Water Disposal Manifest

SO# 2403714923

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 000 730 390	1	(800) 424-9300	026202073 JJK

GENERATOR

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation
300 Erie Blvd. West, Syracuse, NY 13202
Generator's Phone: (315) 247-6490 Attn: Steve Stucker

Generator's Site Address (If different than mailing address)
SIR Site
144 Kensington Avenue
Buffalo, NY 14214

6. Transporter 1 Company Name: Sun Environmental Corporation — U.S. EPA ID Number: NYR 000 176 958

7. Transporter 2 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD 039 322 250

8. Designated Facility Name and Site Address
Clean Harbors of Braintree, Inc.
1 Hill Ave., Braintree, MA 02184
Facility's Phone: 781-380-7100

U.S. EPA ID Number: MAD 053 452 637

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (If any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN2315, Polychlorinated Biphenyls, Liquid, 9, PG III, (PCB oily water assumed > or = 50 ppm)	1	DM	84	K	B002	B	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: Profile# CH2691459 - DHLI ERG 171
Out of Service Date 6/24/24 DOC# BAH571
Container Size: 55 gal Container ID# 2073-1 Sales Order
EMERGENCY RESPONSE: (800) 424-9300 CHEMTREC Gen.#: NI15505 Job# WLN-MSCH-

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Sean Smyth — Signature: [signature] — Month 7 Day 9 Year 24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jaden White — Signature: [signature] — Month 7 Day 9 Year 24
Transporter 2 Printed/Typed Name: Scott Cowher — Signature: [signature] — Month 7 Day 10 Year 24

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Shawn Dewey — Signature: [signature] — Month 8 Day 16 Year 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Appendix C - Groundwater Monitoring Laboratory Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 6/24/2024 9:43:31 AM

JOB DESCRIPTION

Dewey Avenue Service Center

JOB NUMBER

480-220928-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
6/24/2024 9:43:31 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: 480-220928-1 Eurofins Buffalo

Job Narrative
480-220928-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt
The samples were received on 6/18/2024 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.1°C and 3.5°C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-16 (480-220928-1). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-220928-1

Client Sample ID: MW-16 | Lab Sample ID: 480-220928-1

No Detections.

Client Sample ID: Trip Blank | Lab Sample ID: 480-220928-2

No Detections.

Client Sample ID: MW-1 | Lab Sample ID: 480-220928-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1016	1.3		0.50	0.18	ug/L	1		8082A	Total/NA

Client Sample ID: MW-6 | Lab Sample ID: 480-220928-4

No Detections.

Client Sample ID: MW-9 | Lab Sample ID: 480-220928-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1221	15		0.50	0.18	ug/L	1		8082A	Total/NA
PCB-1242	6.4		0.50	0.18	ug/L	1		8082A	Total/NA

Client Sample ID: MW-11 | Lab Sample ID: 480-220928-6

No Detections.

Client Sample ID: MW-12 | Lab Sample ID: 480-220928-7

No Detections.

Client Sample ID: MW-20 | Lab Sample ID: 480-220928-8

No Detections.

Client Sample ID: MW-21 | Lab Sample ID: 480-220928-9

No Detections.

Client Sample ID: MW-24 | Lab Sample ID: 480-220928-10

No Detections.

Client Sample ID: Field Duplicate | Lab Sample ID: 480-220928-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16
Lab Sample ID: 480-220928-1
Date Collected: 06/17/24 14:10
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			06/20/24 17:56	2
Toluene	ND		2.0	1.0	ug/L			06/20/24 17:56	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/20/24 17:56	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			06/20/24 17:56	2
o-Xylene	ND		2.0	1.5	ug/L			06/20/24 17:56	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/20/24 17:56	2
Total BTEX	ND		4.0	2.0	ug/L			06/20/24 17:56	2
Naphthalene	ND		2.0	0.86	ug/L			06/20/24 17:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*80 - 120*		*06/20/24 17:56*	*2*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*06/20/24 17:56*	*2*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*06/20/24 17:56*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/20/24 17:56*	*2*

Client Sample ID: Trip Blank
Lab Sample ID: 480-220928-2
Date Collected: 06/17/24 00:00
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/24 16:51	1
Toluene	ND		1.0	0.51	ug/L			06/19/24 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/24 16:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/19/24 16:51	1
o-Xylene	ND		1.0	0.76	ug/L			06/19/24 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/24 16:51	1
Total BTEX	ND		2.0	1.0	ug/L			06/19/24 16:51	1
Naphthalene	ND		1.0	0.43	ug/L			06/19/24 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/19/24 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/19/24 16:51*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*06/19/24 16:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/19/24 16:51*	*1*

Client Sample ID: MW-1
Lab Sample ID: 480-220928-3
Date Collected: 06/17/24 15:00
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	**1.3**		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:10	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:10*	*1*

Client Sample ID: MW-1
Lab Sample ID: 480-220928-3
Date Collected: 06/17/24 15:00
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*51*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:10*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:10*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:10*	*1*

Client Sample ID: MW-6
Lab Sample ID: 480-220928-4
Date Collected: 06/18/24 12:00
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 09:17	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*10 - 145*	*06/19/24 13:54*	*06/21/24 09:17*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*10 - 145*	*06/19/24 13:54*	*06/21/24 09:17*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 123*	*06/19/24 13:54*	*06/21/24 09:17*	*1*
DCB Decachlorobiphenyl	*77*		*10 - 123*	*06/19/24 13:54*	*06/21/24 09:17*	*1*

Client Sample ID: MW-9
Lab Sample ID: 480-220928-5
Date Collected: 06/17/24 13:20
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1221	**15**		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1242	**6.4**		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:28	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:28*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:28*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:28*	*1*
DCB Decachlorobiphenyl	*73*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:28*	*1*

Client Sample ID: MW-11
Lab Sample ID: 480-220928-6
Date Collected: 06/17/24 12:30
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:45	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:45	1

Client Sample ID: MW-11
Date Collected: 06/17/24 12:30
Date Received: 06/18/24 13:00

Lab Sample ID: 480-220928-6
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:45	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:45	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 10:45	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:45	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*75*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:45*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*10 - 145*	*06/19/24 13:54*	*06/21/24 10:45*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:45*	*1*
DCB Decachlorobiphenyl	*75*		*10 - 123*	*06/19/24 13:54*	*06/21/24 10:45*	*1*

Client Sample ID: MW-12
Date Collected: 06/17/24 11:40
Date Received: 06/18/24 13:00

Lab Sample ID: 480-220928-7
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:03	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*66*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:03*	*1*
Tetrachloro-m-xylene (Surr)	*56*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:03*	*1*
DCB Decachlorobiphenyl	*72*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:03*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:03*	*1*

Client Sample ID: MW-20
Date Collected: 06/18/24 10:20
Date Received: 06/18/24 13:00

Lab Sample ID: 480-220928-8
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:20	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*81*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:20*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:20*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:20*	*1*
DCB Decachlorobiphenyl	*92*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:20*	*1*

Client Sample ID: MW-21
Lab Sample ID: 480-220928-9
Date Collected: 06/18/24 11:05
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:38	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*94*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:38*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:38*	*1*
DCB Decachlorobiphenyl	*71*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:38*	*1*
DCB Decachlorobiphenyl	*69*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:38*	*1*

Client Sample ID: MW-24
Lab Sample ID: 480-220928-10
Date Collected: 06/18/24 07:45
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:55	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*82*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:55*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*10 - 145*	*06/19/24 13:54*	*06/21/24 11:55*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:55*	*1*
DCB Decachlorobiphenyl	*94*		*10 - 123*	*06/19/24 13:54*	*06/21/24 11:55*	*1*

Client Sample ID: Field Duplicate
Lab Sample ID: 480-220928-11
Date Collected: 06/17/24 12:00
Matrix: Water
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 12:13	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*10 - 145*	*06/19/24 13:54*	*06/21/24 12:13*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*10 - 145*	*06/19/24 13:54*	*06/21/24 12:13*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 123*	*06/19/24 13:54*	*06/21/24 12:13*	*1*

Client Sample ID: Field Duplicate **Lab Sample ID: 480-220928-11**
Date Collected: 06/17/24 12:00 **Matrix: Water**
Date Received: 06/18/24 13:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		10 - 123	06/19/24 13:54	06/21/24 12:13	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-220928-1

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

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-220928-1	MW-16	110	108	113	99
480-220928-2	Trip Blank	107	103	115	100
LCS 480-716043/6	Lab Control Sample	109	108	113	103
LCS 480-716204/6	Lab Control Sample	111	106	114	105
MB 480-716043/8	Method Blank	105	106	105	99
MB 480-716204/8	Method Blank	117	107	117	105

Surrogate Legend

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

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-123)	(10-123)
480-220928-3	MW-1	60	51	67	74
480-220928-4	MW-6	80	70	77	77
480-220928-4 MS	MW-6-MS	73	57	73	80
480-220928-4 MSD	MW-6-MSD	62	55	64	68
480-220928-5	MW-9	77	62	74	73
480-220928-6	MW-11	75	62	74	75
480-220928-7	MW-12	66	56	72	76
480-220928-8	MW-20	81	69	89	92
480-220928-9	MW-21	94	79	71	69
480-220928-10	MW-24	82	70	87	94
480-220928-11	Field Duplicate	80	70	87	87
LCS 480-716126/2-A	Lab Control Sample	72	57	68	66
MB 480-716126/1-A	Method Blank	76	62	68	70

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-716043/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/19/24 13:03	1
Toluene	ND		1.0	0.51	ug/L			06/19/24 13:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/19/24 13:03	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/19/24 13:03	1
o-Xylene	ND		1.0	0.76	ug/L			06/19/24 13:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/19/24 13:03	1
Total BTEX	ND		2.0	1.0	ug/L			06/19/24 13:03	1
Naphthalene	ND		1.0	0.43	ug/L			06/19/24 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/19/24 13:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/19/24 13:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/19/24 13:03*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/19/24 13:03*	*1*

Lab Sample ID: LCS 480-716043/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	28.3		ug/L		113	71 - 124
Toluene	25.0	27.6		ug/L		110	80 - 122
Ethylbenzene	25.0	28.0		ug/L		112	77 - 123
m-Xylene & p-Xylene	25.0	28.1		ug/L		112	76 - 122
o-Xylene	25.0	25.2		ug/L		101	76 - 122
Naphthalene	25.0	20.6		ug/L		82	66 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-716204/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			06/20/24 14:13	1
Toluene	ND		1.0	0.51	ug/L			06/20/24 14:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/20/24 14:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/20/24 14:13	1
o-Xylene	ND		1.0	0.76	ug/L			06/20/24 14:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/20/24 14:13	1
Total BTEX	ND		2.0	1.0	ug/L			06/20/24 14:13	1
Naphthalene	ND		1.0	0.43	ug/L			06/20/24 14:13	1

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

Lab Sample ID: MB 480-716204/8
Matrix: Water
Analysis Batch: 716204

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*117*		*80 - 120*		*06/20/24 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*06/20/24 14:13*	*1*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*		*06/20/24 14:13*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/20/24 14:13*	*1*

Lab Sample ID: LCS 480-716204/6
Matrix: Water
Analysis Batch: 716204

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	27.0		ug/L		108	71 - 124
Toluene	25.0	26.9		ug/L		108	80 - 122
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
m-Xylene & p-Xylene	25.0	27.9		ug/L		112	76 - 122
o-Xylene	25.0	25.7		ug/L		103	76 - 122
Naphthalene	25.0	21.2		ug/L		85	66 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*111*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-716126/1-A
Matrix: Water
Analysis Batch: 716338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1221	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1232	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1242	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1248	ND		0.50	0.18	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1254	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 08:07	1
PCB-1260	ND		0.50	0.25	ug/L		06/19/24 13:54	06/21/24 08:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*76*		*10 - 145*	*06/19/24 13:54*	*06/21/24 08:07*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*10 - 145*	*06/19/24 13:54*	*06/21/24 08:07*	*1*
DCB Decachlorobiphenyl	*68*		*10 - 123*	*06/19/24 13:54*	*06/21/24 08:07*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 123*	*06/19/24 13:54*	*06/21/24 08:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-716126/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716338 — **Prep Batch: 716126**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			4.00	3.37		ug/L		84	62 - 130		
PCB-1260			4.00	4.68		ug/L		117	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*72*		*10 - 145*
Tetrachloro-m-xylene (Surr)	*57*		*10 - 145*
DCB Decachlorobiphenyl	*68*		*10 - 123*
DCB Decachlorobiphenyl	*66*		*10 - 123*

Lab Sample ID: 480-220928-4 MS — **Client Sample ID: MW-6-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716338 — **Prep Batch: 716126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		4.00	3.62		ug/L		90	28 - 150		
PCB-1260	ND		4.00	4.24		ug/L		106	25 - 131		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*73*		*10 - 145*
Tetrachloro-m-xylene (Surr)	*57*		*10 - 145*
DCB Decachlorobiphenyl	*73*		*10 - 123*
DCB Decachlorobiphenyl	*80*		*10 - 123*

Lab Sample ID: 480-220928-4 MSD — **Client Sample ID: MW-6-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 716338 — **Prep Batch: 716126**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.42		ug/L		85	28 - 150	6	50
PCB-1260	ND		4.00	3.84		ug/L		96	25 - 131	10	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*62*		*10 - 145*
Tetrachloro-m-xylene (Surr)	*55*		*10 - 145*
DCB Decachlorobiphenyl	*64*		*10 - 123*
DCB Decachlorobiphenyl	*68*		*10 - 123*

GC/MS VOA

Analysis Batch: 716043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220928-2	Trip Blank	Total/NA	Water	8260C	
MB 480-716043/8	Method Blank	Total/NA	Water	8260C	
LCS 480-716043/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 716204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220928-1	MW-16	Total/NA	Water	8260C	
MB 480-716204/8	Method Blank	Total/NA	Water	8260C	
LCS 480-716204/6	Lab Control Sample	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 716126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220928-3	MW-1	Total/NA	Water	3510C	
480-220928-4	MW-6	Total/NA	Water	3510C	
480-220928-5	MW-9	Total/NA	Water	3510C	
480-220928-6	MW-11	Total/NA	Water	3510C	
480-220928-7	MW-12	Total/NA	Water	3510C	
480-220928-8	MW-20	Total/NA	Water	3510C	
480-220928-9	MW-21	Total/NA	Water	3510C	
480-220928-10	MW-24	Total/NA	Water	3510C	
480-220928-11	Field Duplicate	Total/NA	Water	3510C	
MB 480-716126/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-716126/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-220928-4 MS	MW-6-MS	Total/NA	Water	3510C	
480-220928-4 MSD	MW-6-MSD	Total/NA	Water	3510C	

Analysis Batch: 716338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220928-3	MW-1	Total/NA	Water	8082A	716126
480-220928-4	MW-6	Total/NA	Water	8082A	716126
480-220928-5	MW-9	Total/NA	Water	8082A	716126
480-220928-6	MW-11	Total/NA	Water	8082A	716126
480-220928-7	MW-12	Total/NA	Water	8082A	716126
480-220928-8	MW-20	Total/NA	Water	8082A	716126
480-220928-9	MW-21	Total/NA	Water	8082A	716126
480-220928-10	MW-24	Total/NA	Water	8082A	716126
480-220928-11	Field Duplicate	Total/NA	Water	8082A	716126
MB 480-716126/1-A	Method Blank	Total/NA	Water	8082A	716126
LCS 480-716126/2-A	Lab Control Sample	Total/NA	Water	8082A	716126
480-220928-4 MS	MW-6-MS	Total/NA	Water	8082A	716126
480-220928-4 MSD	MW-6-MSD	Total/NA	Water	8082A	716126

Lab Chronicle

Client Sample ID: MW-16
Lab Sample ID: 480-220928-1
Date Collected: 06/17/24 14:10
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	716204	ZN	EET BUF	06/20/24 17:56

Client Sample ID: Trip Blank
Lab Sample ID: 480-220928-2
Date Collected: 06/17/24 00:00
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	716043	ZN	EET BUF	06/19/24 16:51

Client Sample ID: MW-1
Lab Sample ID: 480-220928-3
Date Collected: 06/17/24 15:00
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 10:10

Client Sample ID: MW-6
Lab Sample ID: 480-220928-4
Date Collected: 06/18/24 12:00
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 09:17

Client Sample ID: MW-9
Lab Sample ID: 480-220928-5
Date Collected: 06/17/24 13:20
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 10:28

Client Sample ID: MW-11
Lab Sample ID: 480-220928-6
Date Collected: 06/17/24 12:30
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 10:45

Client Sample ID: MW-12
Lab Sample ID: 480-220928-7
Date Collected: 06/17/24 11:40
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 11:03

Lab Chronicle

Client Sample ID: MW-20
Lab Sample ID: 480-220928-8
Date Collected: 06/18/24 10:20
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 11:20

Client Sample ID: MW-21
Lab Sample ID: 480-220928-9
Date Collected: 06/18/24 11:05
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 11:38

Client Sample ID: MW-24
Lab Sample ID: 480-220928-10
Date Collected: 06/18/24 07:45
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 11:55

Client Sample ID: Field Duplicate
Lab Sample ID: 480-220928-11
Date Collected: 06/17/24 12:00
Matrix: Water
Date Received: 06/18/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			716126	LSC	EET BUF	06/19/24 13:54
Total/NA	Analysis	8082A		1	716338	DSC	EET BUF	06/21/24 12:13

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-220928-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-220928-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-220928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220928-1	MW-16	Water	06/17/24 14:10	06/18/24 13:00
480-220928-2	Trip Blank	Water	06/17/24 00:00	06/18/24 13:00
480-220928-3	MW-1	Water	06/17/24 15:00	06/18/24 13:00
480-220928-4	MW-6	Water	06/18/24 12:00	06/18/24 13:00
480-220928-5	MW-9	Water	06/17/24 13:20	06/18/24 13:00
480-220928-6	MW-11	Water	06/17/24 12:30	06/18/24 13:00
480-220928-7	MW-12	Water	06/17/24 11:40	06/18/24 13:00
480-220928-8	MW-20	Water	06/18/24 10:20	06/18/24 13:00
480-220928-9	MW-21	Water	06/18/24 11:05	06/18/24 13:00
480-220928-10	MW-24	Water	06/18/24 07:45	06/18/24 13:00
480-220928-11	Field Duplicate	Water	06/17/24 12:00	06/18/24 13:00

Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-195169-40603.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603400-142140-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Dewey Avenue Service Center Event Desc: Dewey Avenue Ser	Project #: 48027231			
Site: Dewey Avenue Service Center Annual GWS	SSOW#:			

480-220928 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX + Napthalene	8082A - TCL PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	6/17/24	1500	G	Water				2	2	
MW-6	6/18/24	1200	G	Water				2	2	
MW-6-MS	6/18/24	1200	G	Water				2	2	
MW-6-MSD	6/18/24	1206	G	Water				2	2	
MW-9	6/17/24	1320	G	Water				2	2	
MW-11	6/17/24	1230	G	Water				2	2	
MW-12	6/17/24	1140	G	Water				2	2	
MW-20	6/18/24	1020	G	Water				2	2	
MW-21	6/18/24	1105	G	Water				2	2	
MW-24	6/18/24	0745	G	Water				2	2	
Field Duplicate	6/17/24	1200	G	Water				2	2	
MW-16	6/17/24	1410	G	Water			3		3	
Trip Blank				Water			3		3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	6/18/24 1300		[signature]	6-18-24 1300	TAB
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.5 3.1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-220928-1

Login Number: 220928
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Appendix D – Site Inspection Forms - 2024

Site Inspection Form
Dewey Ave Service Center

Date: 3/21/2024 | **144 Kensington Ave** | Time: 09:00

Technician: Tim Beaumont | **Buffalo, NY** | Weather: Cloudy 24

Site Wide Inspection		
Have there been any changes to the property since the last inspection?	No	COMMENTS:
Evidence of excavation or trenching since last inspection?	Yes	COMMENTS: Some site investigation work

Site Monitoring Wells	
Well ID.	***Location Secure***
ESI-1	Yes
MW-1	Yes
MW-2	Yes
MW-5	Yes
MW-6	Yes
MW-7	Yes
MW-9	Yes
MW-10	Yes
MW-11	Yes
MW-12	Yes
MW-13	Yes
MW-15	Yes
MW-16	Yes
MW-17	Yes
MW-19	Yes
MW-20	Yes
MW-21	Yes
MW-24	Yes
MW-25	Yes

General Comments/Suggested Action items:

Met with Paige Parsons

Site Inspection Form
Dewey Ave Service Center

Date: 6/17/2024 | **144 Kensington Ave** | Time: 10:00

Technician: Tim Beaumont | **Buffalo, NY** | Weather: Sunny 80

Site Wide Inspection		
Have there been any changes to the property since the last inspection?	No	COMMENTS:
Evidence of excavation or trenching since last inspection?	Yes	COMMENTS: near substation

Site Monitoring Wells	
Well ID.	***Location Secure***
ESI-1	Yes
MW-1	Yes
MW-2	Yes
MW-5	Yes
MW-6	Yes
MW-7	Yes
MW-9	Yes
MW-10	Yes
MW-11	Yes
MW-12	Yes
MW-13	Yes
MW-15	Yes
MW-16	Yes
MW-17	Yes
MW-19	Yes
MW-20	Yes
MW-21	Yes
MW-24	Yes
MW-25	Yes

General Comments/Suggested Action items:

Site Inspection Form
Dewey Ave Service Center
144 Kensington Ave
Buffalo, New York

Date: 9/24/2024
Technician: TB
Time: 10:15
Weather: Cloudy 71

Site Wide Inspection			
Have there been any changes to the property since the last inspection?	YES	NO	COMMENTS:
Evidence of excavation or trenching since last inspection?	YES	NO	COMMENTS: Rear substation and EV Parking Area

Site Monitoring Wells		
Well ID.	***Location Secure***	
ESI-1	YES	NO
MW-1	YES	NO
MW-2	YES	NO
MW-5	YES	NO
MW-6	YES	NO
MW-7	YES	NO
MW-9	YES	NO
MW-10	YES	NO
MW-11	YES	NO
MW-12	YES	NO

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-13	YES	NO
MW-15	YES	NO
MW-16	YES	NO
MW-17	YES	NO
MW-19	YES	NO
MW-20	YES	NO
MW-21	YES	NO
MW-24	YES	NO
MW-25	YES	NO

General Comments/Suggested Action items:
Manways MW-6 and MW-25 are secure but the concrete pads are cracked.

Site Conditions on March 21, 2024

Site Conditions on March 21, 2024