

**2023 - 2025**

**PERIODIC REVIEW REPORT**

**FOR  
HIGHLAND PLAZA SITE  
215 HIGHLAND PARKWAY  
NYSDEC SITE #C915293  
TONAWANDA, ERIE COUNTY, NEW YORK**

**Prepared by:**



**C&S ENGINEERS, INC.**  
141 ELM STREET  
BUFFALO, NEW YORK 14203

**Prepared on Behalf of:**

**HIGHLAND PLAZA, LLC**  
1800 BROADWAY, BUILDING D  
BUFFALO, NEW YORK 14212

**MAY 2025**

**REPORTING PERIOD: APRIL 29, 2023-APRIL 29, 2025**

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## ACRONYM LIST

AAR	ALTERNATIVES ANALYSIS REPORT
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUNDS
BCA	BROWNFIELD CLEANUP AGREEMENT
BCP	BROWNFIELD CLEANUP PROGRAM
BGS	BELOW GROUND SURFACE
DD	DECISION DOCUMENT
DER	DEPARTMENT OF ENVIRONMENTAL REMEDIATION
EC	ENGINEERING CONTROLS
HFM	HISTORIC FILL MATERIAL
IC	INSTITUTIONAL CONTROLS
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NYSDOH	NEW YORK STATE DEPARTMENT OF HEALTH
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
PCBs	POLYCHLORINATED BIPHENYLS
PPM	PARTS PER MILLION
RAOs	REMEDIAL ACTION OBJECTIVES
RI	REMEDIAL INVESTIGATION
SCOs	SOIL CLEANUP OBJECTIVES
SITE	0.69-ACRE COMMERCIAL PROPERTY IN TONAWANDA, NEW YORK
SMP	SITE MANAGEMENT PLAN
SSDS	SUB-SLAB DEPRESSURIZATION SYSTEM
SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
VOCs	VOLATILE ORGANIC COMPOUNDS



## EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared this 2025 Periodic Review Report for the property located at 215 Highland Parkway in Erie County, Tonawanda, New York (hereinafter referred to as the Site).

Highland Plaza, LLC entered into a Brownfield Cleanup Agreement (BCA) on April 1, 2015 with the NYSDEC to remediate the Site. A figure showing the site location and boundaries of this site is provided in **Figure 1**. The boundaries of the site are more fully described in the metes and bounds site description that is part of the Environmental Easement provided in **Appendix A**.

On-site contamination was related to various historic activities associated with the operation of the Site as a dry cleaner. Contamination consists of chlorinated volatile organic compounds (CVOC) in the soil, groundwater and soil vapor.

The remedy for the Site consists of maintenance and placement of a cover system and installation of a sub-slab depressurization system (SSDS) to achieve Track 4 Level Cleanup standards. Remaining contamination will be limited to CVOC impacted material underneath the following areas:

- A site-wide cover system; and
- SSD systems in Building #1 and Building #2.

Areas with remaining contamination will be monitored and maintained as specified in the approved Site Management Plan (SMP).

The SMP was prepared by Environmental & Geologic Management Services, LLC on behalf of Highland Plaza, LLC., in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 2010, and the guidelines provided by the NYSDEC. The SMP addresses the means for implementing the Intuition Controls (ICs) and/or Engineering Controls (ECs) that are required by the Environmental Easement for the Site. A summary of the SMP is provided below.

Site Identification: Highland Plaza Site: 215 Highland Parkway  
BCP Site No. C915293

Institutional Controls:	1. The property may be used for commercial use.
	2. An environmental easement is in place to restrict use to commercial or industrial use.
	3. All ECs must be inspected at a frequency and in a manner defined in the SMP.
Engineering Controls:	1. Cover and cap system
	2. Two sub-slab depressurization systems (SSDS)
Inspections:	Frequency
1. Cover Inspection	Annually
2. Sub-Slab Depressurization Systems	Annually
Monitoring:	
1. Groundwater Wells MW-1, MW-2 and MW-3	Annually
Maintenance:	
1. Cap and Cover System	As needed
2. Blower Maintenance	Semi-annually or as needed
Reporting:	
1. Groundwater, Cap and Cover Integrity, SSDS Data	Annually
2. Periodic Review Report	Annually

The Institutional and Engineering Controls Certification form is provided in **Appendix C**.

## **1 SITE OVERVIEW**

The Site is located in Tonawanda, Erie County, New York and is identified as Lot #33, Township 12, Range 6 of the Holland Land Company's Survey and being Sublots #35 to 46 inclusive on the Town of Tonawanda, Erie County Tax Map (**Figure 2**). The Site is an approximately 0.69-acre area and is bounded by Highland Parkway to the north, an alley way followed by residential properties to the south, a parking lot and credit union to the east, and a gasoline station followed by Colvin Boulevard to the west. The boundaries of the site are more fully described in **Appendix A - Environmental Easement**.

The owner of the site parcels at the time of issuance of this PRR is/are:

Highland Plaza, LLC  
1800 Broadway, Building D  
Buffalo, NY 14212

The Site consists of the following: a strip plaza (50% of the Site), asphalt parking area to the north of the strip plaza (approximately 47% of the Site) and a narrow strip of soil behind the building approximately 2.95 feet wide (approximately 3% of the Site). The strip plaza is a slab-on-grade block building that is situated 2.95 feet from the southern property boundary to the back of the building. The strip plaza consists of three attached buildings (Building #1 is the easternmost building; Building #2 is the centermost building; and, Building #3 is the westernmost building) that are separated by common firewalls, foundation breaks and different roof lines. They do not share overhead crawl spaces. The Site is zoned commercial and is currently utilized for commercial purposes. Site occupants currently include a pizzeria, hair salon, nail salon, and an occupational therapy center.

The properties surrounding the Site primarily include commercial and residential properties.

### **1.1 Geology and Hydrogeology**

The Site is generally flat, although certain minor variations in elevation are present. The Site is underlain by a thin veneer of fill material 1 to 1.5 feet in thickness consisting of sand and gravel. This is underlain by native, dense red-brown clay with minor amounts of silt, sand and gravel. The clay unit is greater than 24 feet in thickness with little variation laterally. Soil samples collected from soil borings of this unit were generally dry to damp, until a depth of approximately 15 feet where soil samples were damp to moist and more pliable.

Depth to groundwater is approximately three to five feet below ground surface, and groundwater flow direction was determined to be toward the north and east.

## 1.2 Site History

Sanborn Maps of the Site show that the property was undeveloped in 1928, but by 1950 had been developed into the present plaza. There was no indication from available public information that the property has ever been used for industrial or manufacturing purposes.

A Preliminary Phase II Investigation and Soil Vapor Intrusion Study were completed at the Site in 2014 consisting of twelve soil borings ranging in depths from 8 to 12 feet below ground surface.

Low levels of soil contamination are present under the floor of the building where the former dry cleaner was located as documented from seven soil samples collected from seven different soil borings completed inside of Building #1 within the area of the former dry cleaner. Soil samples were collected for laboratory analysis based on PID readings from 0 inches below the concrete floor to 8 feet below the concrete floor.

Soil contamination is also present in the service alley directly south of the former dry cleaner from spills or disposal of cleaning solvents from the former dry cleaner. The concentration of these compounds is below the NYSDEC Part 375 Commercial Soil Cleanup Objectives (SCO), but are above the Restricted Residential SCO for tetrachloroethene.

Volatile organic compounds (VOCs) associated with dry cleaning operations are present in the soil vapor under the concrete floor slab of Building #1 and have impacted indoor air quality in the eastern end of Building #1.

Additional investigative work was recommended to determine the nature and extent of the soil contamination from the former dry cleaner and to characterize impacts to groundwater.

Remediation of indoor air was recommended by installing a SSDS in Building #1 and Building #2 where the former dry cleaner was located.

Remedial alternatives for the property were evaluated within an Alternative Analysis Report (AAR). Additional detailed information on the selected / preferred remedial alternative can be found within the December 2017 Decision Document (DD).

### 1.3 Summary of Selected Remedy

The elements of the selected remedy for the property include:

1. Cover System: A site cover currently exists and will be maintained to allow for commercial/industrial use of the site. Any site redevelopment will maintain the existing site cover, which consists of structures such as buildings, concrete sidewalks, an asphalt parking lot, and soil over a 2.5-foot strip behind the plaza building, adjacent to the alleyway. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).
2. Vapor Mitigation: Continued operation and optimization of the sub-slab depressurization systems to prevent the migration of sub-slab soil vapor into Buildings 1 and 2.
3. Institutional Controls: Imposition of an institutional control in the form of an Environmental Easement for the controlled property that:
  - a. Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
  - b. Allows the use and development of the controlled property for commercial/industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
  - c. Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
  - d. Requires compliance with the Department approved Site Management Plan.
4. Site Management Plan: A Site Management plan is required, which includes the following:
  - a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and engineering controls remain in place and effective:
    - Institutional Controls: The Environmental Easement discussed in Paragraph 3 above; and
    - Engineering Controls: The site cover system discussed in Paragraph 1 and the sub-slab depressurization systems discussed in paragraph 2 above.

This plan includes, but may not be limited to:

- An Excavation Plan that details the provisions for management of future excavations in areas of remaining contamination;
- Descriptions of the provisions of the Environmental Easement including any land use and groundwater use restrictions;

- A provision for the evaluation of the potential for soil vapor intrusion for any buildings developed on the site including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
  - Provisions for the management and inspection of the identified engineering controls;
  - Maintaining site access controls and Department notification; and
  - The steps necessary for periodic reviews and certification of the institutional and engineering controls.
- b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
- Monitoring of soil vapor and indoor air to assess the performance and effectiveness of the sub-slab depressurization systems. Enhancements to the sub-slab depressurization systems will be completed as necessary;
  - A schedule of monitoring and frequency of submittals to the Department;
  - Monitoring for vapor intrusion for any buildings, as may be required by the Institutional and Engineering Control Plan discussed above.
- c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy. The plan includes, but is not limited to:
- Compliance monitoring of the existing sub-slab depressurization systems to ensure proper operation as well as providing the data for any necessary permit or permit equivalent reporting;
  - Maintaining site access controls and Department notification; and
  - Providing the Department access to the site and O&M records.

#### **1.4 Nature and Extent of Remaining Contamination**

Soil and groundwater contamination remain on-site under the easternmost end of the building and under the easternmost end of the parking lot.

Areas with remaining contamination will be monitored and maintained with a cover system.

#### 1.4.1 Soil

VOCs are present in the soil from the former dry cleaner at the eastern end of the Site. These compounds are present under the floor of the eastern end of the former dry cleaner, and in shallow soils in the parking lot north of the building at soil boring SB – 19. Cis-1,2-dichloroethene, Tetrachloroethene and Trichloroethene were detected at concentrations below their respective NYSDEC Part 375 Commercial Soil Cleanup Objectives (SCOs), but were above the NYSDEC Part 375 Unrestricted SCO.

There were no semi-volatile organic compounds (SVOCs) detected in the on-site soil samples analyzed as part of the RI.

Four on-site soil samples were analyzed for metals; three shallow soil samples (6-12-inches and 6-18 inches) and one deep soil sample (23-feet to 24-feet). Ten metals typically found in soils were present in the on-site soil samples that were analyzed for metals. The 10 metals were detected at concentrations below the respective Unrestricted SCOs.

There were no pesticides detected above their respective method detection limits in the on-site soil samples analyzed as part of the RI, and there were no PCBs detected in the on-site samples analyzed.

**Figure 3** presents locations of the remaining soil contamination.

#### 1.4.2 Groundwater

Groundwater contamination as CVOCs is present in the northeast corner of the Site at monitoring well MW-3. Since CVOCs are present in soil under the eastern end of the building (soil samples SB – 5 through SB – 11), groundwater contamination is also likely present under the eastern end of Building #1 where the former dry-cleaning operation was located.

**Figure 6** presents the extent of the remaining groundwater contamination.

#### 1.4.3 Soil Vapor

Soil vapor contamination exists on the eastern portion of the Highland Plaza building (in the area of the former dry cleaner). Tenant spaces with the following addresses were impacted by sub-slab contaminated soil vapor:

- 235 – 237 Highland Parkway
- 231 Highland Parkway

**Figure 7** presents the location of the SSD systems.

## **2 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS**

The inspection of the cap and cover system on April 18, 2025 showed that the existing cap and cover system consisting of the asphalt parking lot, the building slab on grade concrete floor and foundation, and the clean soil cover behind the building has been properly maintained to prevent human exposure to contaminated soil/fill remaining at the site.

There were no breaches of the asphalt parking lot and concrete sidewalk directly in front of the buildings observed during the site visit on April 18, 2025.

There were no breaches of the soil cover along the east end of the building during the site visit on April 18, 2025.

There were no site intrusive activities into the two-foot-thick clay cap behind the building during this annual reporting period.

Two (SSDSs) located in Buildings #1 (235 to 237 Highland Parkway); and Building #2 (231 Highland Parkway) (**Figure 7**);

- SSDS#1 located on 235 to 237 Highland Parkway consists of four perforated horizontal PVC pipe vapor collection runs with three roof mounted blower units.
- SSDS#2 located on 231 Highland Parkway consists of one vapor collection system point and one roof mounted blower unit.

A Professional Engineer (PE) inspected the two SSDSs located in Buildings #1 and #2 on April 17, 2025. The PE has certified that they are operating as designed to mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.



### **3 IC/EC PLAN COMPLIANCE REPORT**

#### **3.1 IC/EC Requirements and Compliance**

As stated in the 2017 Decision Document, the remedial action objectives (RAO) selected for this Site are:

##### **Groundwater**

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

##### **Soil**

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure from, contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

##### **Soil Vapor**

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.

#### **3.1.1 Institutional Controls**

The institutional controls for this Site are:

- The property may be used for: commercial and industrial use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie

County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.

- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

The Site has not changed owners and the land use of the Site has not changed. All institutional controls for this Site are in accordance with requirements of the Environmental Easement.

### 3.1.2 Engineering Controls

The engineering controls for this Site are:

- Cover System: A site cover has been installed and/or maintained over the Site in all areas exceeding applicable SCOs. The cover consists of hardscape (asphalt pavement and concrete floor slab) and a clean soil cap of 12 to 18 inches thick placed on a 2.95-foot wide strip immediately south of the building.
- SSDS: two systems installed in Building #1 (237 – 237 Highland Parkway) and Building #2 (231 Highland Parkway).

All engineering controls for this Site are in accordance with requirements of the Environmental Easement.

## 3.2 IC/EC Certification

As required, the Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certificate Form has been completed and a copy is provided in **Appendix C**.

## **4 SITE INSPECTION**

Site reconnaissance of the property was performed on April 18, 2025. C&S conducted the site walkover to:

- Perform the annual site inspection, which included:
  - Review previous annual inspections;
  - Meet with the site representative to solicit comments/concerns regarding the operation of the Engineering Controls over the past 12 months; and
  - Inspection of the property exterior cover system.

### **4.1 Review of Institutional Controls**

The following observations, related to the Site's ICs were noted at the time of the site reconnaissance:

- The site continues to be owned and managed by Highland Plaza. No sale of the property has been made or is currently contemplated. ICs are noted on survey maps of the area are subject to the Environmental Easement.
- No groundwater was observed being used at the property. No potable or groundwater supply wells were observed.
- No new buildings or structures have been constructed at the property.
- No vegetable gardens or farming is being conducted at the property.

### **4.2 Review of Engineering Controls**

The following observations, related to the ECs were noted during the site reconnaissance:

- The inspection of the cap and cover system on April 18, 2025 showed that the existing cap and cover system consisting of the asphalt parking lot, the building slab on grade concrete floor and foundation, and the clean soil cover behind the building has been properly maintained to prevent human exposure to contaminated soil/fill remaining at the site.
- There were no breaches of the asphalt parking lot and concrete sidewalk directly in front of the buildings observed during the site visit on April 18, 2025.
- In order to prevent water coming off the roof flowing back into the building, in October 2022, the Owner installed four 2,500-gallon aboveground water cisterns to collect runoff from the roof. Each cistern was placed on a bedding of crushed stone. No material was excavated for the installation. The system will discharge to the sanitary sewer; however, the connection to the sanitary

sewer has not been completed. C&S was not notified of the installation of the water cisterns.

- There were no site intrusive activities into the two-foot-thick clay cap behind the building during this annual reporting period.
- A PE inspected the two SSDSs located in Buildings #1 and #2 on April 17, 2025. The PE has certified that they are operating as designed to mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.

A Photo Log is provided in **Appendix B**. The PE certification of the SSDS is provided in **Appendix D**.

## **5 MONITORING PLAN COMPLIANCE REPORT**

### **5.1 Monitoring Plan Requirements**

The monitoring plan requires that wells MW 1, MW – 2 and MW – 3 are sampled annually and analyzed for VOCs. Because the Highland Plaza Off-Site Area (Site No. C915293A) is the source of the groundwater contamination, groundwater sampling will be completed periodically by a NYSDEC subcontractor as part of the off-site investigation. Groundwater samples were collected during this reporting period.

### **5.2 Summary of Monitoring Completed during Reporting Period**

Groundwater samples were collected by a NYSDEC subcontractor on August 6-7, 2024. The following wells were sampled:

- MW-1
- MW-2
- MW-3
- MW-4 (offsite)
- MW-5R (offsite – newly constructed well after destruction of MW-5)
- MW-6 (offsite)
- MW-7 (offsite)

### **5.3 Comparisons with NYSDEC Standard, Criteria and Guidance (SCG)**

#### **5.3.1 Volatile Organic Compounds (VOC)**

CVOCs were not detected in MW-1 and MW-2. CVOCs were detected in onsite well MW-3, and offsite wells MW-4 and MW-5R. The following CVOCs were detected at concentrations above NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004:

- cis -1,2-Dichloroethene
- Tetrachloroethene
- Trichloroethene

#### **5.3.2 Semi-volatile Organic Compounds (SVOC)**

SVOCs were not analyzed during this reporting period.

#### **5.3.3 Pesticides and PCBs**

Pesticides and PCBs were not analyzed during this reporting period.

#### 5.3.4 Metals

This sampling event detected the following metals above SCGs:

- Arsenic
- Beryllium
- Chromium
- Copper
- Iron
- Lead
- Magnesium
- Manganese
- Nickel
- Sodium

**Appendix E** provides summary tables of groundwater results and lab reports from the NYSDEC's 2024 groundwater monitoring event.

#### 5.4 Monitoring Deficiencies

There were no monitoring deficiencies during this reporting period.

#### 5.5 Conclusions and Recommendations

VOC results continue to indicate offsite source of groundwater contamination. Metal concentrations above SCGs are primarily limited to naturally occurring metals commonly found in regional groundwater. The highest exceedances of primary pollutant metals are generally associated with offsite wells.

No changes to the monitoring program are recommended at this time. NYSDEC will continue to monitor groundwater contamination as part of the Highland Plaza Off-Site Area site.

## **6 OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT**

### **6.1 Components of O&M Plan**

Inspections and data recording are being conducted as required. Deficiencies are corrected and corrective actions are documented.

### **6.2 Summary of O & M Completed During Reporting Period**

The SSDSs were recently inspected during this reporting period. This certified inspection form is attached as **Appendix D**.

### **6.3 Evaluation of Remedial Systems**

The remedial systems (cap and cover system and SSDSs) have been inspected and are operating as designed. Maintenance performed is routine and not unusual (ex. blower failure). No changes to the remedial systems are recommended at this time.

### **6.4 Conclusions and Recommendations for Improvements**

The remedial systems as designed and operated are functioning properly. There are no recommendations for improvement to the remedial systems, and no changes to the O&M plan are recommended.

## **7 CONCLUSIONS**

### **7.1 Compliance with Site Management Plan**

The requirements of the Site Management Plan appear to be satisfied.

### **7.2 Performance and Effectiveness of the Remedy**

The cover system and SSDS remains fully intact and continues to provide protection for human health and the environment, as designed.

There were no corrective measures implemented during the annual reporting period



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# FIGURES

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May 20, 2022 - 11:52am  
F:\Project\Y03 - Buffalo Business Park\Y03001002 - SLP Support\Planning-Study\CAD\Sheets\1 SITE LOCATION.dwg



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

### Legend

 HIGHLAND PLAZA SITE

0 50 100 200  
Feet



C&S Engineers, Inc.  
141 Elm Street, Suite 100  
Buffalo, New York 14203  
Phone: 716-847-1630  
Fax: 716-847-1454  
www.cscos.com



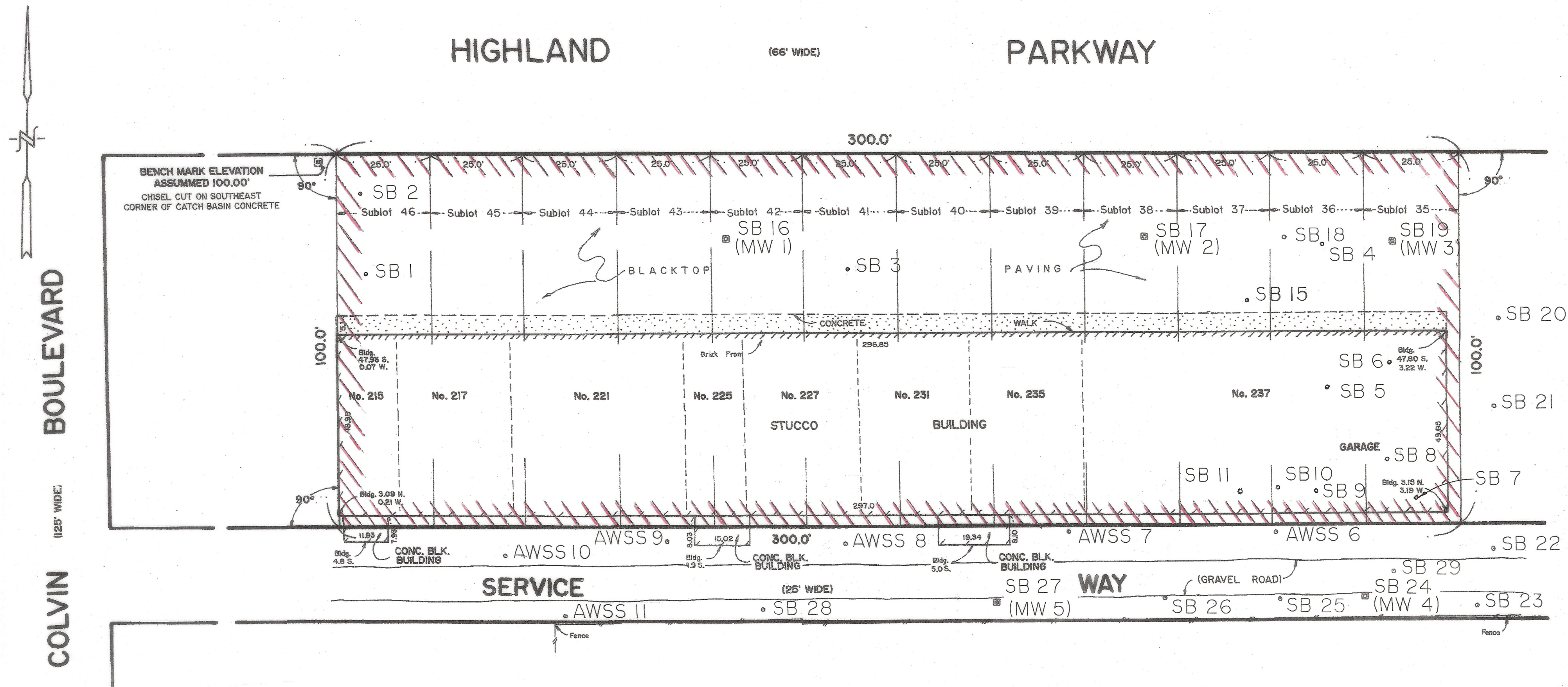
## HIGHLAND PLAZA 215 HIGHLAND PARKWAY PERIODIC REVIEW REPORT BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: Y03.001.002		
DATE: MAY 2022		
DRAWN BY:		
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

SITE  
LOCATION

FIGURE 1





NOTE:  
DELINEATES BROWNFIELD AREA BOUNDARY

NOTE:  
Tenant spaces/Addresses are as shown on EGMS Drawing  
FIGURE 4: RI VAPOR INTRUSIONSAMPLE LOCATIONS  
SOIL VAPOR INTRUSION INVESTIGATION  
HIGHLAND PLAZA IN TONAWANDA, N.Y.  
Dated May 2016

NOTE:  
SOIL BORING SB 1 WAS NOT SAMPLED

NOTE:  
THE ADDITIONAL SOIL BORING LOCATIONS AND  
REVISED SOIL BORING LOCATIONS ARE SHOWN  
ACCORDING TO DIMENSIONS PROVIDED TO OUR  
FIRM IN A LETTER FROM ENVIRONMENTAL &  
GEOLOGICAL MANAGEMENT SERVICES, LLC  
Dated May 15, 2017

NOTE:  
SONNENBERGER LAND SURVEYING ACCEPTS NO  
RESPONSIBILITY FOR THE ACCURACY OF  
ADDITIONAL AND REVISED SOIL BORING LOCATIONS.

Point Description	Distance East of Northwest Property Corner	Distance South of Northwest Property Corner	Elevation (PVC Pipe)
SB 16 (MW 1)	104.45	22.36	100.51
SB 17 (MW 2)	216.22	22.43	100.18
SB 19 (MW 3)	282.43	24.29	100.08
SB 24 (MW 4)	274.59	119.19	101.45
SB 27 (MW 5)	176.13	120.15	102.06
SB 18	253.63	22.88	
SB 20	310.68	44.85	
SB 21	309.38	68.53	
SB 22	309.20	106.52	
SB 23	304.75	121.78	
SB 25	251.83	119.34	
SB 26	221.32	118.93	
SB 28	113.74	121.41	
SB 29	282.23	112.08	
AWSS 6	251.01	101.56	
AWSS 7	195.55	101.02	
AWSS 8	136.09	104.20	
AWSS 9	88.35	102.98	
AWSS 10	45.14	106.68	
AWSS 11	61.17	122.98	

Point Description	Distance East of Northwest Property Corner	Distance South of Northwest Property Corner
SB 1	8'	32.5'
SB 2	6.5'	10'
SB 3	136'	31'
SB 15	242'	39.5'
SB 4	262'	24'

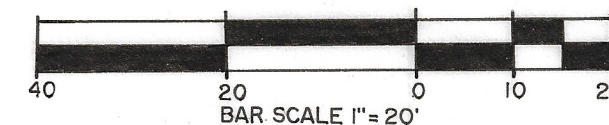
SOIL BORING LOCATIONS ARE APPROXIMATE

Point Description	Distance West of Northeast Building Corner	Distance South of Northeast Building Corner
SB 5	32'	15'
SB 6	15'	8'
SB 7	8'	44'
SB 8	16'	34'
SB 9	35'	43'
SB 10	45'	42'
SB 11	55'	43'

SOIL BORING LOCATIONS ARE ESTIMATED

FIGURE 2 : SITE BASE MAP  
HIGHLAND PLAZA  
TONAWANDA, NEW YORK

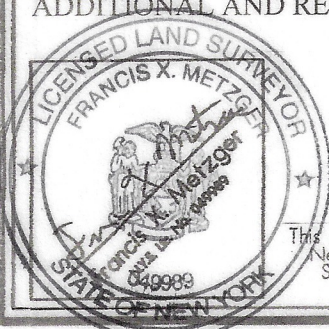
SUBLOTS 35 to 46 INCLUSIVE  
MAP COVER 1400  
PART OF LOT 33, TOWNSHIP 12, RANGE 8  
TOWN OF TONAWANDA  
ERIE COUNTY, NEW YORK



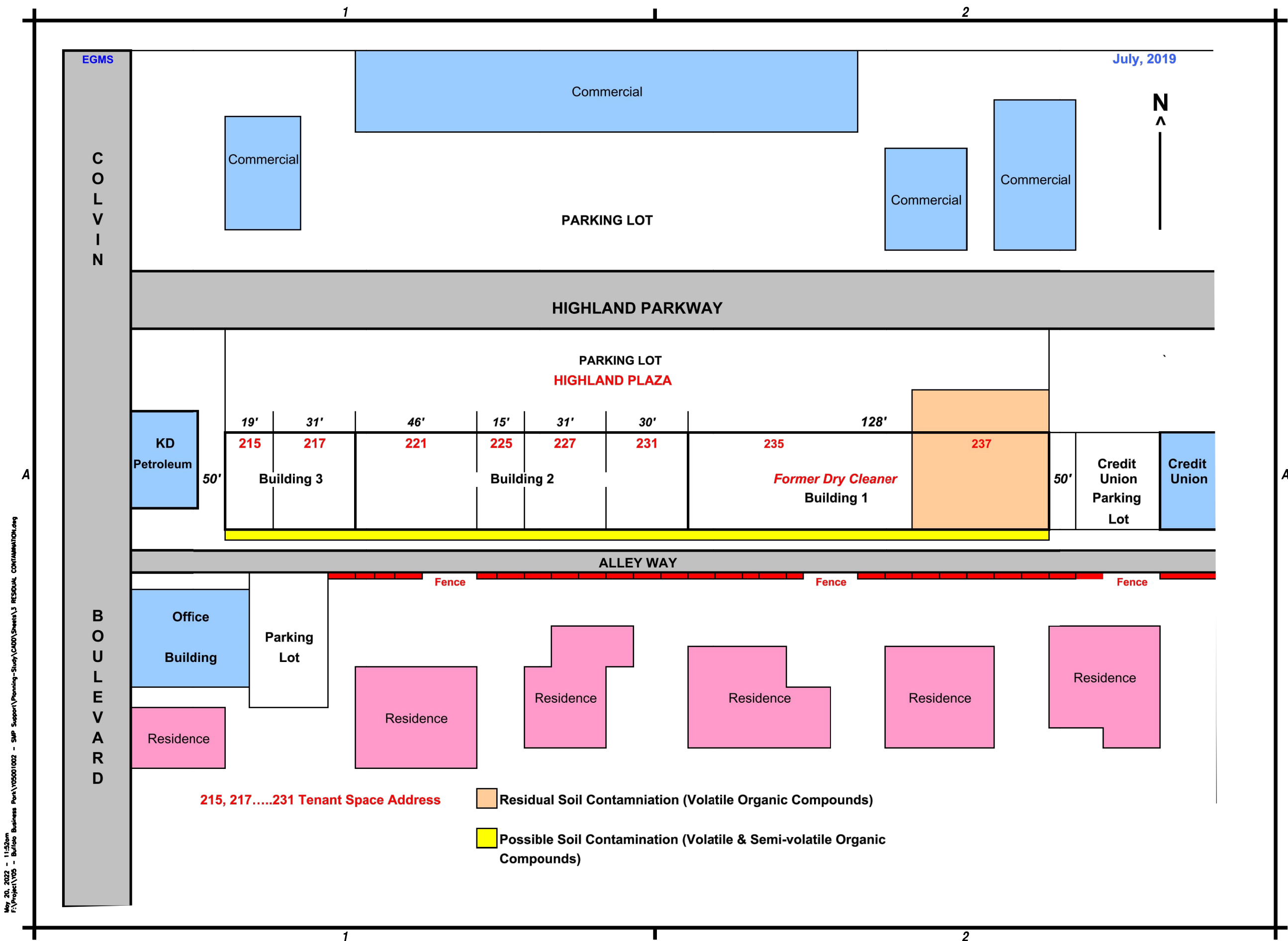
SONNENBERGER LAND SURVEYING  
60 NIAGARA STREET  
BUFFALO, NEW YORK 14202  
(716) 854-0159  
SonnenbergerLandSurveying.com

SCALE: 1" = 20' DATE: NOV. 10, 2015

SHEET: 69621 No. 15-221 ATS-I  
REVISED 5/20/16 REVISED 5/18/17







**C&S COMPANIES®**

**C&S Engineers, Inc.**  
 141 Elm Street, Suite 100  
 Buffalo, New York 14203  
 Phone: 716-847-1630  
 Fax: 716-847-1454  
[www.cscos.com](http://www.cscos.com)

**HIGHLAND PLAZA**  
**215 HIGHLAND PARKWAY**  
**PERIODIC REVIEW REPORT**  
**BUFFALO, NEW YORK**

MARK	DATE	DESCRIPTION
<b>REVISIONS</b>		
PROJECT NO:	Y03.001.002	
DATE:	MAY 2022	
DRAWN BY:		
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**RESIDUAL SITE SOIL CONTAMINATION**

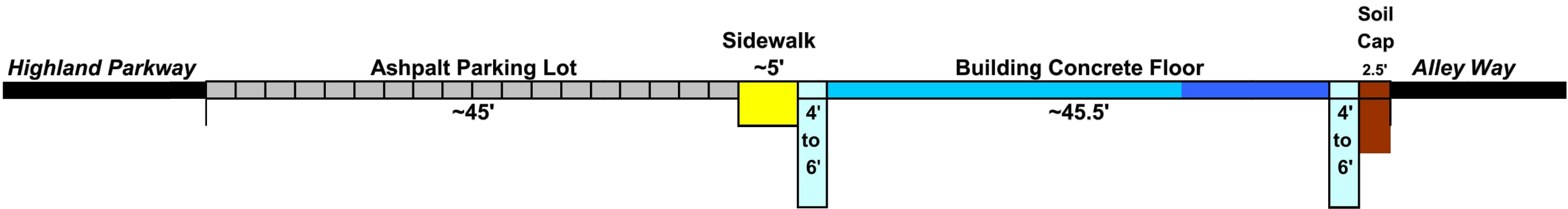
**FIGURE 3**

EGMS

July, 2019

HIGHLAND PLAZA

Looking East



- Highland Parkway and Alley Way
- Asphalt Parking Lot (~ 4 Inches Thick)
- Sidewalk (Variable Thickness from 4 to 18 Inches)
- Building Foundation (Variable Thickness from 4 to 6 Feet)
- Building Concrete Floor (~ 4 Inches Thick)
- Soil Cap (Variable Thickness from 12 to 24 Inches)



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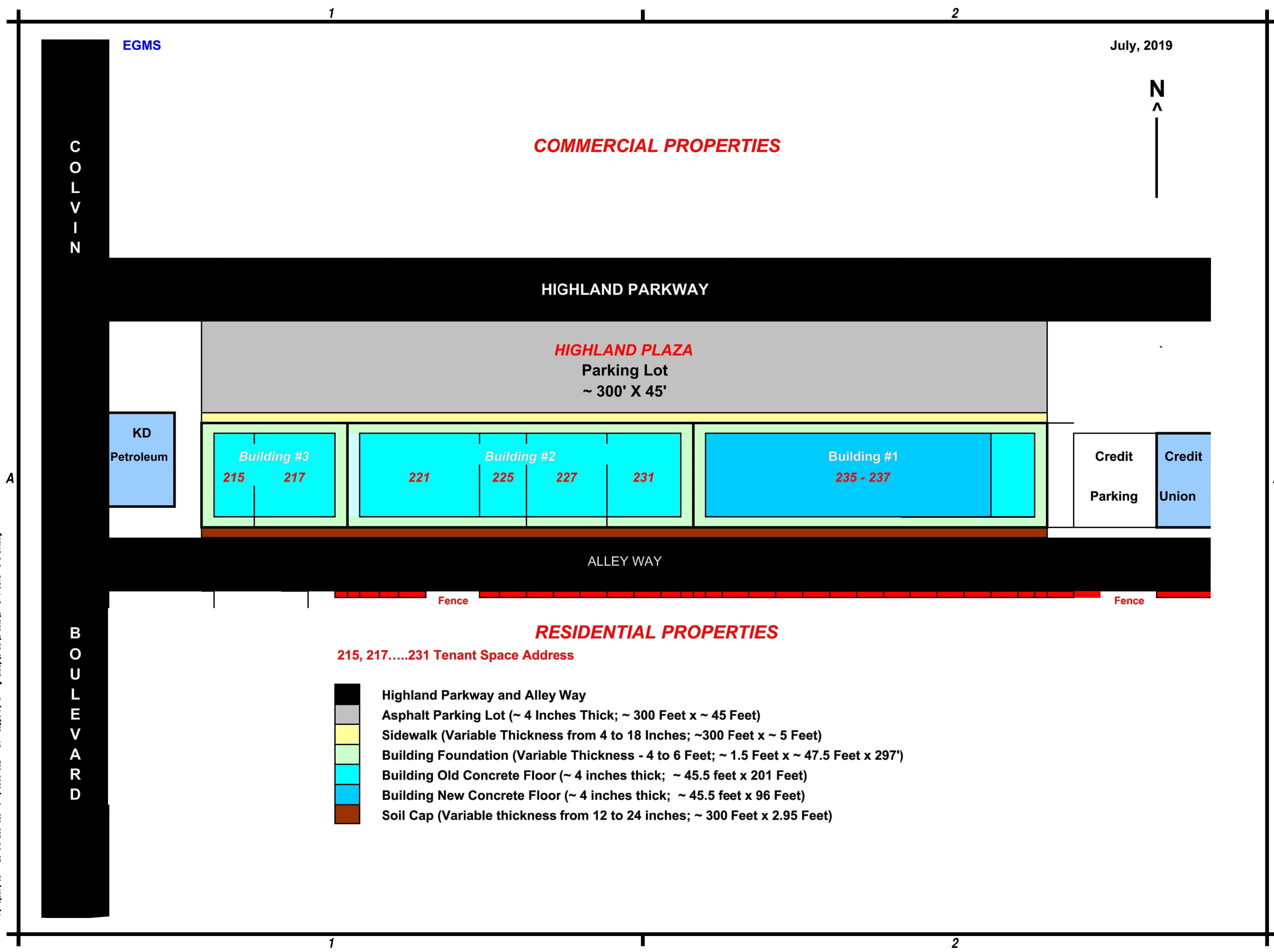
HIGHLAND PLAZA  
215 HIGHLAND PARKWAY  
PERIODIC REVIEW REPORT  
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: Y03.001.002		
DATE: MAY 2022		
DRAWN BY:		
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

PROFILE OF  
CAP AND  
COVER  
SYSTEM

FIGURE 4

May 20, 2022 - 11:52am  
F:\Project\Y03 - Buffalo Business Park\Y03001002 - SAP Support\Planning-Study\CADD\Sheets\3 PLAN COVER SYSTEM.dwg



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Fax: 716-847-1454  
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HIGHLAND PLAZA  
215 HIGHLAND PARKWAY  
PERIODIC REVIEW REPORT  
BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: Y03.001.002

DATE: MAY 2022

DRAWN BY:

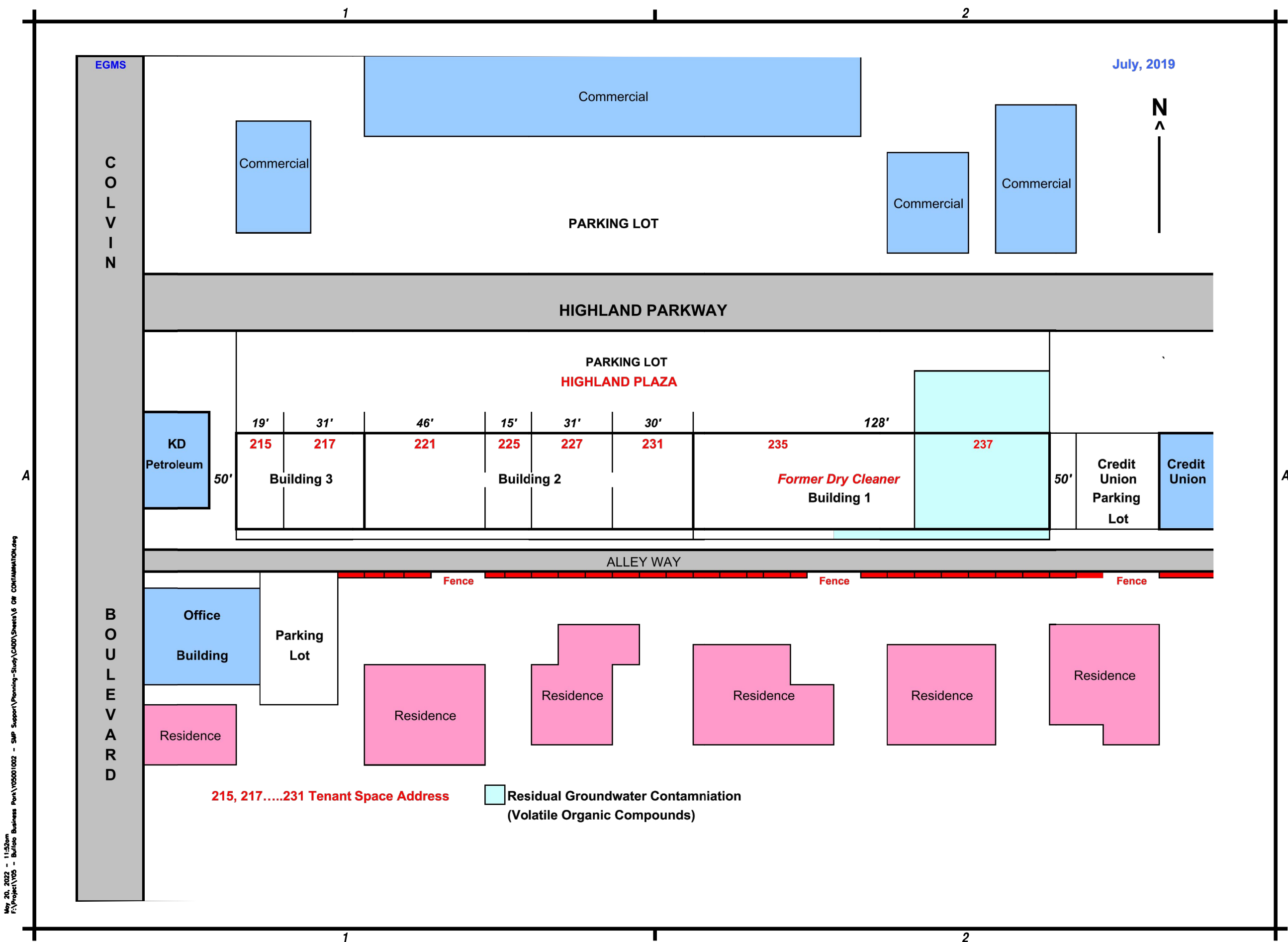
DESIGNED BY:

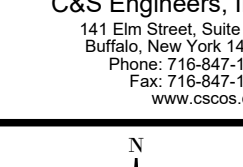
CHECKED BY:

NO ALTERATION PERMITTED HEREON  
EXCEPT AS PROVIDED UNDER SECTION  
7209 SUBDIVISION 2 OF THE NEW YORK  
EDUCATION LAW

PLANVIEW  
OF CAP AND  
COVER  
SYSTEM


FIGURE 5





**C&S Companies<sup>®</sup>**

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 141 Elm Street, Suite 100  
 Buffalo, New York 14203  
 Phone: 716-847-1630  
 Fax: 716-847-1454  
 www.cscos.com



**HIGHLAND PLAZA**

**215 HIGHLAND PARKWAY**

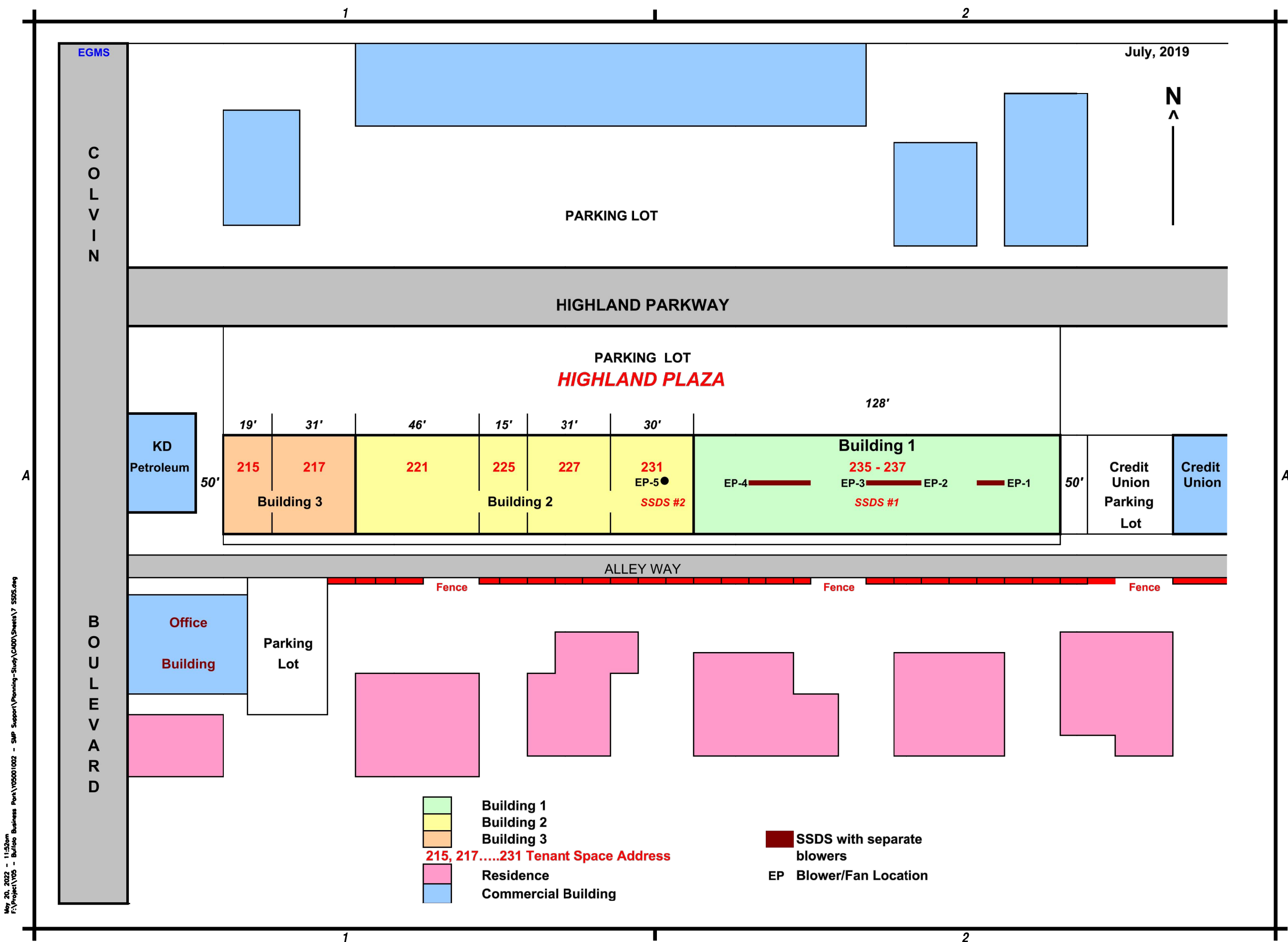
**PERIODIC REVIEW REPORT**



**BUFFALO, NEW YORK**

<b>MARK</b>	<b>DATE</b>	<b>DESCRIPTION</b>
<b>REVISIONS</b>		
<b>PROJECT NO:</b> Y03.001.002		
<b>DATE:</b> MAY 2022		
<b>DRAWN BY:</b>		
<b>DESIGNED BY:</b>		
<b>CHECKED BY:</b>		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**RESIDUAL  
SITE  
GROUNDWATER  
CONTAMINATION**

**FIGURE 6**



		
<b>C&amp;S Engineers, Inc.</b> 141 Elm Street, Suite 10 Buffalo, New York 14202 Phone: 716-847-1632 Fax: 716-847-1450 <a href="http://www.cscos.com">www.cscos.com</a>		
		
<h1 style="margin: 0;">HIGHLAND PLAZA</h1> <h1 style="margin: 0;">215 HIGHLAND PARKWAY</h1> <h1 style="margin: 0;">PERIODIC REVIEW REPORT</h1> <h1 style="margin: 0;">BUFFALO NEW YORK</h1>		
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: Y03.001.002		
DATE: MAY 2022		
DRAWN BY:		
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		
<h2 style="margin: 0;">LOCATION OF SSD SYSTEMS</h2>		
<h2 style="margin: 0;">FIGURE 7</h2>		



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# APPENDICES

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## APPENDIX A

### ENVIRONMENTAL EASEMENT

---

**THOMAS WHISSEL**  
ATTORNEY AND COUNSELOR AT LAW  
80 WEST HURON STREET  
BUFFALO, NEW YORK 14202

OFFICE TELEPHONE - (716) 852-2025  
FAX NO. - (716) 852-8013

AUG 28 2017

August 24, 2017

Andrew Guglielmi, Associate Attorney  
NYS Dept. of Environmental Conservation  
Bureau of Remediation  
625 Broadway, 14<sup>th</sup> Floor  
Albany, New York 12233-1500

Re: 215 Highland Parkway  
Tonawanda, New York  
Site No. C915293  
Owner: Gary Crewson

Dear Mr. Guglielmi:

Thank you for your correspondence of August 14, 2017. Per your instructions, I enclose herewith a copy of the recorded easement with a copy of the recording receipt from the Erie County Clerk's Office attached which shows the document was recorded on August 22, 2017 in Book 11317 at page 6208.

Also enclosed is a copy of my letter to the Office of the Town Clerk of the Town of Tonawanda providing a copy of the recorded easement. This letter was mailed by certified mail, return receipt requested and a copy of the certified mail receipt from the US Postal Service is attached to this letter.

Should anything further be required, please advise.

Very truly yours,



THOMAS WHISSEL

TW/lms  
Enc.

cc: Mr. Gary Crewson

PEGGY A. LAGREE, ACTING ERIE COUNTY CLERK  
REF:

DATE: 8/22/2017  
TIME: 1:39:03 PM  
RECEIPT: 17146235

THOMAS WHISSEL  
ACCOUNT #: 0

ITEM - 01 785  
RECD: 8/22/2017 1:46:55 PM  
FILE: 2017168610 BK/PG D 11317/6208  
Deed Sequence: TT2017001627  
CREWSON GARY  
PEOPLE OF THE STATE OF NEW YORK (THE)  
Recording Fees 90.00  
TP584 10.00

Subtotal 100.00

TOTAL DUE	\$100.00
PAID TOTAL	\$100.00
PAID CHECK	\$100.00
Check #16821:	100.00

-----  
REC BY: Donna G  
COUNTY RECORDER

**FILED**

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36, CHAPTER 2 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

**ERIE COUNTY  
CLERK'S OFFICE**

THIS INDENTURE made this 3<sup>RD</sup> day of August, 2017, between Owner(s) Gary Crewson, having an address of 5387 Oakridge Drive, Hamburg, New York 14075, County of Erie, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located at the address of 215 Highland Parkway in the Town of Tonawanda, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel numbers: Section 66.57 Block 2 Lot 8.11, being the same as that property conveyed to Grantor by deed dated December 18, 2014 and recorded in the Erie County Clerk's Office in Liber and Page 11279/9309. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.690 +/- acres, and is hereinafter more fully described in the Land Title Survey dated April 14, 2017 prepared by Francis X. Metzger, L.L.S. of Sonnenberger Land Surveying, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

**WHEREAS**, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is

extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C915293-04-15, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, New York 12233  
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation**

## Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

## 5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against



the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:      Site Number: C915293  
Office of General Counsel  
NYSDEC  
625 Broadway  
Albany New York 12233-5500

With a copy to:      Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the

recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**Remainder of Page Intentionally Left Blank**

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Gary Crewson:

By: 

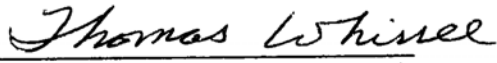
Print Name: Gary Crewson

Title: Owner Date: July 25, 2017

**Grantor's Acknowledgment**

STATE OF NEW YORK     )  
  ) ss:  
COUNTY OF ERIE         )

On the 25<sup>TH</sup> day of July, in the year 2017, before me, the undersigned, personally appeared Gary Crewson, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

  
Notary Public - State of New York

THOMAS WHISSEL  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires August 31, 2017

**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK**, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By: \_\_\_\_\_

Robert W. Schick, Director  
Division of Environmental Remediation

**Grantee's Acknowledgment**

STATE OF NEW YORK     )  
                                      ) ss:  
COUNTY OF ALBANY     )

On the 3<sup>rd</sup> day of August, in the year 2017, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

\_\_\_\_\_  
Notary Public, State of New York

**David J. Chiusano**  
**Notary Public, State of New York**  
**No. 01CH5032146**  
**Qualified in Schenectady County**  
**Commission Expires August 22, 2018**

**SCHEDULE "A" PROPERTY DESCRIPTION**

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 33, Township 12, Range 6 of the Holland Land Company's Survey and being Sublot Nos. 35 to 46 inclusive, under Map Cover 1400 according to a map of Highland Park filed in the Erie County Clerk's Office and more particularly described as follows:

COMMENCING at the intersection of the east line of Colvin Boulevard (125 feet wide) with the south line of Highland Parkway (66 feet wide);

Thence easterly along the south line of Highland Parkway a distance of eighty (80.0) feet to the true POINT OF BEGINNING;

Thence easterly along the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence southerly at right angles to the said south line of Highland Parkway a distance of (100.0) feet to a point;

Thence westerly and parallel with the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence northerly at right angles to the last described line a distance of one hundred (100.0) feet to the true POINT OF BEGINNING.

Containing 0.69 ± Acre.

**THOMAS WHISSEL**  
ATTORNEY AND COUNSELOR AT LAW  
80 WEST HURON STREET  
BUFFALO, NEW YORK 14202

OFFICE TELEPHONE - (716) 852-2025  
FAX NO. - (716) 852-8013

August 23, 2017

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

A rectangular stamp with the word "COPY" in a bold, sans-serif font. To the left of the word is a small icon of a document with a checkmark.

Office of the Town Clerk  
Town of Tonawanda  
2919 Delaware Avenue  
Room 14  
Kenmore, New York 14217

Re: 215 Highland Parkway  
Tonawanda, New York

Ladies and Gentlemen:

I am the attorney for Gary Crewson, the owner of property at 215 Highland Parkway, Tonawanda, New York.

Recently, Mr. Crewson provided an environmental easement to the State of New York, Department of Environmental Conservation. That easement is dated August 3, 2017 and was recorded in the Erie County Clerk's Office on August 22, 2017 in Book 11317 of Deeds at page 6208.

At the direction of the Department of Environmental Conservation, I enclose herewith a copy of the easement that was recorded in August 22, 2017. I also enclose a copy of the recording receipt issued by the Erie County Clerk.

Should you need additional information, please advise.

Very truly yours,

THOMAS WHISSEL

TW/lms  
Enc.

cc: Gary Crewson

7009 1410 0001 9394 2934

U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
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Crewson, Highland

Sent To Office of Town Clerk  
Town of Tonawanda  
Street, Apt. No. 2919 Delaware Ave., Room 14  
or PO Box No. Kenmore, NY 14217  
City, State, Zip+4

**THOMAS WHISSEL**  
ATTORNEY AND COUNSELOR AT LAW  
80 WEST HURON STREET  
BUFFALO, NEW YORK 14202

OFFICE TELEPHONE - (716) 852-2025  
FAX NO - (716) 852-8013

April 20, 2017

HAND DELIVERED

Mr. Gary Crewson  
Buffalo Business Park, Inc.  
1800 Broadway  
Buffalo, New York 14212

Re: 215 Highland Parkway

Dear Gary:

Enclosed herewith please find a copy of my correspondence to attorney Burns dated April 18, 2017 along with copies of the items enclosed in that correspondence.

Please note that Form TP-584 must be signed by you and delivered to attorney Burns.

Also enclosed is a photocopy of the tax map maintained by the Town of Tonawanda. The premises on Highland Parkway are highlighted on that tax map.

Finally, I enclose four prints of the revised survey map of the premises now dated April 14, 2017.

Very truly yours,



THOMAS WHISSEL

TW/lms  
Enc.



**THOMAS WHISSEL**  
ATTORNEY AND COUNSELOR AT LAW  
80 WEST HURON STREET  
BUFFALO, NEW YORK 14202

OFFICE TELEPHONE - (716) 852-2025  
FAX NO. - (716) 852-8013

April 18, 2017

FEDERAL EXPRESS

Bradford D. Burns, Senior Attorney  
NYS Dept. of Environmental Conservation  
Office of General Counsel  
625 Broadway, 14<sup>th</sup> Floor  
Albany, New York 12233-1500

Re: 215 Highland Parkway  
Tonawanda, New York  
Site No. C915293  
Owner: Gary Crewson

Dear Mr. Burns:

I apologize for the delay in responding to you. Due to a prolonged illness, my time in the office has been somewhat limited.

The owner of the premises, Gary Crewson, will be coming to Albany on Friday, April 21, 2017. He will bring with him a revised and enlarged survey map and hard copies of the environmental Easement Checklist and the Notice to Municipality and Form TP-584.

For your convenience, I am enclosing herewith the following:

1. Copy of Environmental Easement Checklist.
2. Copy of proposed Notice to Municipality.
3. Copy of metes and bounds description prepared by the land surveyor.
4. Copy of deed conveying premises to Mr. Crewson.
5. Form TP-584.

Under separate cover, I will forward to you a copy of the tax map issued by the Town of Tonawanda Assessor's Office. I expect to be able to forward that tomorrow.

Thank you for your attention.

Very truly yours,

THOMAS WHISSEL

TW/lms  
Enc.

BOX 178

**CORPORATE WARRANTY DEED**

THIS INDENTURE, made the 18<sup>th</sup> day of December, Two Thousand Fourteen

BETWEEN, HIGHLAND PLAZA MANAGEMENT, INC., a corporation organized under the Laws of the State of New York, and having its place of business at 215 Highland Parkway, Tonawanda, County of Erie and State of New York,

party of the first part, and

GARY CREWSON, residing at 5387 Oakridge Drive, Hamburg, New York 14075

party of the second part.

WITNESSETH that the party of the first part, in consideration of ----One and More---Dollars (\$1.00 & more), lawful money of the United State, paid by the party of the second part, does hereby grant and release unto the said party of the second part,

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 33, Township 12, Range 8 of the Holland Land Company's Survey and according to a map of Highland Park filed in Erie County Clerk's Office under Cover No. 1400 and known and distinguished as Subdivision Lots Nos. 35 through 46, inclusive.

TOGETHER with the appurtenances and all the estate and rights of the said party of the first part in and to the said premises.

TO HAVE AND TO HOLD, the above granted premises unto the said party of the second part, and assigns forever.

AND the said party of the first part does covenant with the said party of the second part as follows:

FIRST. - That the party of the second part shall quietly enjoy the said premises.

SECOND. - That the said party of the first part will forever **WARRANT** the title to said premises.

THIRD. - Subject to the trust fund provisions of section thirteen of the lien law.

**FILED**  
**MAY 22 2015**  
**ERIE COUNTY**  
**CLERK'S OFFICE**

THAT THIS CONVEYANCE is not of all or substantially all of the property of the party of the first part and is made in the regular course of business actually conducted by the party of the first part.

IN WITNESS WHEREOF, The said party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer the day and year first above written.

IN PRESENCE OF

HIGHLAND PLAZA MANAGEMENT INC.

By: *Janet Lachut VP* (L.S.)  
JANET LACHUT, Vice-President

STATE OF NEW YORK     )  
COUNTY OF ERIE        ) ss:

On the 18 day of December, in the year 2014 before me, the undersigned, a Notary Public in and for said State, personally appeared JANET LACHUT, Vice-President of Highland Plaza Management, Inc., personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

*Charles Patrick Bridge*  
NOTARY PUBLIC

**CHARLES PATRICK BRIDGE**  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires 12/31/20 17

METES AND BOUNDS DESCRIPTION  
215 - 237 HIGHLAND PARKWAY  
TONAWANDA, NEW YORK

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 33, Township 12, Range 6 of the Holland Land Company's Survey and being Sublot No.s 35 to 46 inclusive, under Map Cover 1400 according to a map of Highland Park filed in the Erie County Clerk's Office and more particularly described as follows:

COMMENCING at the intersection of the east line of Colvin Boulevard (125 feet wide) with the south line of Highland Parkway (66 feet wide);

Thence easterly along the south line of Highland Parkway a distance of eighty (80.0) feet to the true POINT OF BEGINNING;

Thence easterly along the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence southerly at right angles to the said south line of Highland Parkway a distance of one hundred (100.0) feet to a point;

Thence westerly and parallel with the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence northerly at right angles to the last described line a distance of one hundred (100.0) feet to the true POINT OF BEGINNING.

Containing 0.69 ± Acre

## NOTICE TO MUNICIPALITY

Marguerite Greco, Town Clerk  
Town of Tonawanda  
2910 Delaware Avenue  
Kenmore, New York 14217

Re: Environmental Easement

Dear Sir or Madam:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department")

on \_\_\_\_\_,  
by \_\_\_\_\_,  
for property at 215 Highland Parkway,  
Tax Map No. \_\_\_\_\_,  
DEC Site No. \_\_\_\_\_.

This environmental easement restricts future use of the above-referenced property to restricted (residential, commercial or industrial) \_\_\_\_\_ uses. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by the Department is available to the public at: <http://www.dec.ny.gov/chemical/36045.html>. Please forward this notice to your building and/or planning departments, as applicable, to ensure your compliance with these provisions of New York State Environmental Conservation Law. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

**ENVIRONMENTAL EASEMENT  
CHECKLIST/CERTIFICATION**  
SITE No. C915293

The following requirements and attachments must be included as part of the submission to the Department for an Environmental Easement. Upon completion of the review, an attorney must sign the checklist indicating that they have fully completed the checklist. The Department will not accept submissions which have not been signed as being accurate and complete by both the Remedial Party and Attorney. Where the property owner is not the Remedial Party, the Department also requires the Owner to sign the checklist.

**1) Special Circumstances**

The last owner search was completed and the deed transfer is by Quit Claim or other restricted transfer deed ☐ Yes ☒ No

The property in the Brownfield Cleanup Agreement includes lands under water  
☐ Yes ☒ No

The property has multiple owners ☐ Yes ☒ No

If you answered "Yes" to any of these items, contact the Department's Environmental Easement contact person for a determination as to whether further title work is necessary.

**2) Verification of ownership of the property**

- ☐ Submit documentation (such as a corporate resolution) that the signatory on the easement has authority to sign the Easement
- ☒ Ownership of the property matches the current deed.
- ☒ Verification reviewed and included for authority to sign Easement.
- ☐ Updated copies of legal organizational documents have been reviewed and are included. Examples of the appropriate documentation will include, for:
  - corporations: articles of incorporation, organizational agreements, minutes of annual meetings, resolutions, authorities for signature;
  - partnerships: a copy of the partnership agreement; verification that necessary parties are participating in the Easement;
  - trusts: trust agreement, affidavit of no change in the trust; and
  - estates: estate letters, powers of attorney.

**3) Verification of Property Subject to Easement**

- ☒ Description of the property for the Easement and DEC Agreement/Order/SAC matches description of property in the deed (Separate submittal must be included to explain to the satisfaction of the Department why there is any discrepancy).
- ☒ The Tax Map identifier (SBL) matches on all documents.

#### 4) Survey Review

- ☒ Survey includes metes and bounds description.
- ☒ Survey includes a graphic scale.
- ☐ Survey includes Tax Map Section, Block and Lot.
- ☒ Survey includes physical address and is consistent with the DEC Agreement/Order/SAC.
- ☒ The survey must bear the name, address, telephone number, signature and certification of the professional land surveyor who performed the survey, his or her official seal and registration number, the date the survey was completed, the dates of all of the surveyor's revisions.
- ☒ The survey boundaries must be drawn to a convenient scale, with that scale clearly indicated. A graphic scale, shown in feet and meters, must be included.
- ☐ The symbols and abbreviations that are used on the survey must be identified by the use of a legend.
- ☐ Diagrams must be accurately presented.
- ☒ The point of beginning of the legal description must be shown.
- ☒ The legal description must be correct.
- ☐ The legal description must state the acreage.
- ☐ If the deed(s) description differs from the measured bearings/angles/distances, both must be indicated on the survey.
- ☒ The survey must show the location of all buildings/monuments/overlaps/encroachments upon the surveyed property with their locations defined by measurement perpendicular to the nearest perimeter boundaries.
- ☒ The survey must depict the location of visible improvements within five feet of each side of boundary lines.
- ☐ The survey must show ponds, lakes, springs, rivers or a natural water boundary bordering on or running through the surveyed property; the survey must measure the location of the natural water boundary and note on the survey the date of the measurement.
- ☐ The survey must correctly depict the environmental easement area with corresponding metes & bounds description and acreage, and include the following sentence: *"This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov)".* This reference must be located on the face of the survey and be in at least 15-point type.
- ☒ If the survey consists of more than one sheet, sheets must be numbered and the total number of sheets must be indicated on each sheet.

- ☐ In addition to county-specific requirements, submittal of the approved survey to the Department must include the following:
  - A "D" sized copy (24" x 36") of the final signed, stamped map
  - A 600 DPI scan of the final signed, stamped map
  - An Autocad .dwg or exported .dxf file of the polyline (at a minimum) of the final survey

## 5) Submissions

- ☐ The Environmental Easement Package being submitted to the Department includes the applicable documents set forth in Attachment A.

### PLEASE READ THE FOLLOWING CAREFULLY

The Remedial Party and the Remedial Party's attorney understand and acknowledge that the New York State Department of Environmental Conservation will rely on each and every answer in this statement: (1) to determine whether the Easement Package can be reviewed in a timely fashion; and (2) to determine whether the Easement Package should be approved. The Remedial Party and the Remedial Party's attorney understand and acknowledge that any false statement or misrepresentation herein will constitute cause for the revocation of the Certificate of Completion issued in reliance on this checklist and accompanying documentation. The Remedial Party and the Remedial Party's attorney further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

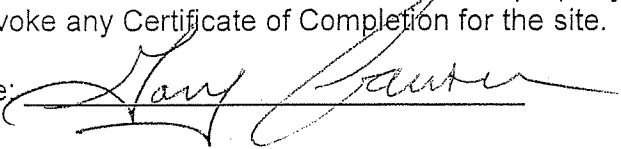


### Statement of Certification and Signatures

I have reviewed the information being submitted in relation to this Environmental Easement and this information, to the best of my knowledge and belief, is accurate and correct. I further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

1) By Remedial Party:

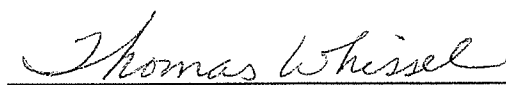
I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Date: July 13, 2016 Signature: 

Print Name: GARY CREWSON

2) By Remedial Party's Attorney:

I hereby affirm that I am the attorney for GARY CREWSON (entity); that I am authorized by that entity to make this certification; that this certification was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief.

Date: JULY 13 2016 Signature: 

Print Name: THOMAS WHISSEL

Attachment

## Attachment A

**Documents required to be sent in hard copy with electronic formats copied to the Project Manager and Project Attorney for a complete Environmental Easement package:**

- 1) Copy(ies) of current deed(s) and supporting title documentation (see Department Title Requirements).
- 2) Copy of tax map.
- 3) Proof of authority to obligate owner of property as set forth in "Verification of ownership of property" on the Easement checklist.
- 4) Legal description of the easement area, electronic copy to be in an electronic text format (i.e., MS Word or Rich Text Format).
- 5) One full-sized, signed Survey and an electronic Survey submitted as a fully rendered PDF (not scanned).
- 6) A draft Notice to Municipality, with appropriate site-specific provisions.
- 7) Easement Checklist with certification signed by Remedial Party and Remedial Party's attorney.
- 8) Signed transfer tax forms (TP-584 or ACRIS Forms).

**Hard copy submission shall be sent to:**

Bradford Burns, Esq.  
New York State Department of Environmental Conservation  
Office of General Counsel  
625 Broadway  
Albany, NY 12233-1500

**Schedule B – Real estate transfer tax return** (Tax Law, Article 31)**Part I – Computation of tax due**

- 1 Enter amount of consideration for the conveyance (if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III) ..... ☐ **Exemption claimed**
- 2 Continuing lien deduction (see instructions if property is taken subject to mortgage or lien) .....
- 3 Taxable consideration (subtract line 2 from line 1) .....
- 4 Tax: \$2 for each \$500, or fractional part thereof, of consideration on line 3 .....
- 5 Amount of credit claimed for tax previously paid (see instructions and attach Form TP-584.1, Schedule G) .....
- 6 Total tax due\* (subtract line 5 from line 4) .....

1.		
2.		
3.	0	
4.		
5.		
6.	0	

**Part II – Computation of additional tax due on the conveyance of residential real property for \$1 million or more**

- 1 Enter amount of consideration for conveyance (from Part I, line 1) .....
- 2 Taxable consideration (multiply line 1 by the percentage of the premises which is residential real property, as shown in Schedule A) ...
- 3 Total additional transfer tax due\* (multiply line 2 by 1% (.01)) .....

1.		
2.		
3.		

**Part III – Explanation of exemption claimed on Part I, line 1** (check any boxes that apply)

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

- a. Conveyance is to the United Nations, the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☐
- b. Conveyance is to secure a debt or other obligation..... b ☐
- c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance..... c ☐
- d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐
- e. Conveyance is given in connection with a tax sale..... e ☐
- f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F..... f ☐
- g. Conveyance consists of deed of partition..... g ☐
- h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐
- i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐
- j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than \$200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment..... j ☐
- k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) (attach documents supporting such claim) ..... k ☐

\*The total tax (from Part I, line 6 and Part II, line 3 above) is due within 15 days from the date conveyance. Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, make check(s) payable to the **NYC Department of Finance**. If a recording is not required, send this return and your check(s) made payable to the **NYS Department of Taxation and Finance**, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

**Schedule C — Credit Line Mortgage Certificate** (Tax Law, Article 11)**Complete the following only if the interest being transferred is a fee simple interest.**

I (we) certify that: (check the appropriate box)

1. ☒ The real property being sold or transferred is not subject to an outstanding credit line mortgage.
2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:
- ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.
- ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).
- ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.
- ☐ The maximum principal amount secured by the credit line mortgage is \$3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.
- Please note:** for purposes of determining whether the maximum principal amount secured is \$3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.
- ☐ Other (attach detailed explanation).
3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:
- ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.
- ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.
4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in \_\_\_\_\_ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is \_\_\_\_\_. No exemption from tax is claimed and the tax of \_\_\_\_\_ is being paid herewith. (Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City but not in Richmond County, make check payable to the **NYC Department of Finance**.)

**Signature (both the grantor(s) and grantee(s) must sign)**

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

  
 \_\_\_\_\_  
 Grantor signature

Title

Grantee signature

Title

Grantor signature

Title

Grantee signature

Title

**Reminder:** Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked e, f, or g in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, to the **NYC Department of Finance**? If no recording is required, send your check(s), made payable to the **Department of Taxation and Finance**, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

**Schedule D - Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, section 663)**

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

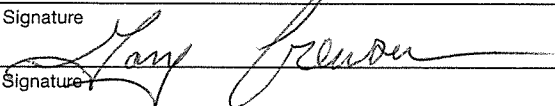
If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part II, and check the second box under *Exemptions for nonresident transferor(s)/seller(s)* and sign at bottom.

**Part I - New York State residents**

If you are a New York State resident transferor(s)/seller(s) listed in Schedule A of Form TP-584 (or an attachment to Form TP-584), you must sign the certification below. If one or more transferors/sellers of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

**Certification of resident transferor(s)/seller(s)**

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law, section 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature 	Print full name GARY CREWSON	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

**Note:** A resident of New York State may still be required to pay estimated tax under Tax Law, section 685(c), but not as a condition of recording a deed.

**Part II - Nonresidents of New York State**

If you are a nonresident of New York State listed as a transferor/seller in Schedule A of Form TP-584 (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law, section 663(c), check the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor(s)/seller(s), that transferor(s)/seller(s) is not required to pay estimated personal income tax to New York State under Tax Law, section 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form*. For more information, see *Payment of estimated personal income tax*, on page 1 of Form TP-584-I.

**Exemption for nonresident transferor(s)/seller(s)**

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law, section 663 due to one of the following exemptions:

- ☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from \_\_\_\_\_ to \_\_\_\_\_ (see instructions).  
Date Date
- ☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.
- ☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of the state of New York, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

# DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lot No. 35, Township 12, Range 6 of the Holland Land Company's Survey and being Sublot No. 35 to 46 inclusive, under Map Cover 1400 according to a map of Highland Park filed in the Erie County Clerk's Office and more particularly described as follows:

COMMENCING at the intersection of the east line of Colvin Boulevard (125 feet wide) with the south line of Highland Parkway (66 feet wide);

Thence easterly along the south line of Highland Parkway a distance of eighty (80.0) feet to the true POINT OF BEGINNING;

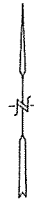
Thence easterly along the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence southerly at right angles to the said south line of Highland Parkway a distance of one hundred (100.0) feet to a point;

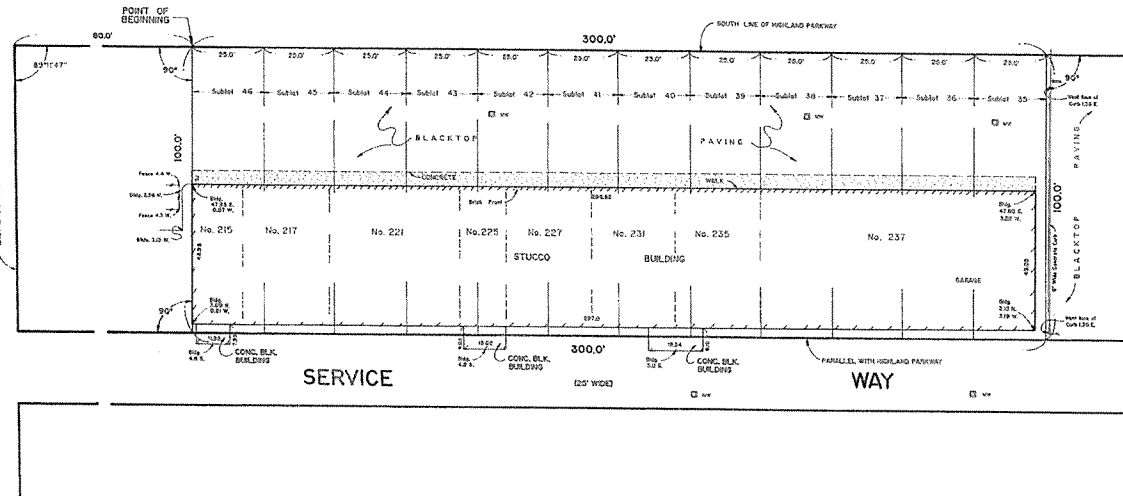
Thence westerly and parallel with the south line of Highland Parkway a distance of three hundred (300.0) feet to a point;

Thence northerly at right angles to the last described line a distance of one hundred (100.0) feet to the true POINT OF BEGINNING.

Containing 0.69 ± Acre



COLVIN BOULEVARD  
125' WIDE  
EAST LINE OF COLVIN BOULEVARD



# LEGEND

CONCRETE		CONC.
BLACKTOP		BLKTP.
FENCE		
BUILDING		BLDG.
NORTH		N.
SOUTH		S.
EAST		E.
WEST		W.
MONITORING WELL		(M) MW



# I HEREBY CERTIFY

THAT THIS REPORT OF SURVEY, OF THAT PARCEL OF LAND DEPICTED HEREON, DATED APRIL 14, 2017 AND NUMBERED 17-49

HAS BEEN PREPARED UNDER MY FORECLOSURE PRELIMINARY FROM DESCRIPTIONS FURNISHED BY THE OFFICE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS IN ACCORDANCE WITH THE STANDARDS FOR LAND TITLE SURVEYS AS ADOPTED BY THE NADARDA FURTHER LAND SURVEYORS ASSOCIATION AND ERIE COUNTY BAR ASSOCIATION (NEW YORK)

THIS CERTIFICATION DOES NOT EXTEND TO THE ACCURACY OF THE RECORDING INSTITUTION OR TITLE INSURANCE

*Thomas E. Mangan*  
Thomas E. Mangan  
N.Y.S. License No. 049989

This map was made ELECTRONICALLY with  
New York State Licensed Land  
Surveyors and No. 049989

NOT VALID FOR RECORDATION PURPOSES IF A CANCELLATION OF SALE  
DESCRIPTION WAS MADE

SUBLOTS 35 TO 46 INCLUSIVE  
MAP COVER 1400  
PART OF LOT 35, TOWNSHIP 12, RANGE 6  
TOWN OF TONAWANDA  
ERIE COUNTY, NEW YORK

Altering any item on this map is in violation of  
the law, as provided in Section 7-209  
Part 2 of the New York State Education Law

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SONNENBERGER LAND SURVEYING  
3225 WILHELM STREET  
BUFFALO, NEW YORK 14206  
(716) 824-6207  
sonnenbergerlandsurveying.com

SCALE: 1" = 20' DATE: APRIL 14, 2017  
SHEET: 03/011 NO.: 17-49

## **APPENDIX [B] – LIST OF SITE CONTACTS**

<b>Name</b>	<b>Phone/Email Address</b>
Owner - Mr. Gary Crewson (Owner)	(716)867-2369; gcrewson@aol.com
Remedial Party - Same	
Environmental Professional – EGMS	(716)445-2105; nwohlabaugh@verizon.net
NYSDEC Project Manager – Glenn May	(716)851-7220; glenn.may@dec.gov
NYSDEC Regional HW Engineer – Mary McIntosh	(716)851-7220; mary.mcintosh@dec.gov
NYSDEC Site Control] – Kelly Lewandowski	(518)402-9553; Kelly.lewandowski@dec.gov
Remedial Party Attorney–Thomas Whissel	(716) 852-2025

---

## APPENDIX B

### PHOTOGRAPH LOG

---



# PHOTOGRAPHIC LOG

<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
1	4/18/2025	

**Description:**

Parking lot cover,  
looking east.



<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
2	4/18/2025	

**Description:**

Parking lot cover,  
looking west.



# PHOTOGRAPHIC LOG

<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
3	4/18/2025	

**Description:**

Sidewalk cover,  
looking west.



<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
4	4/18/2025	

**Description:**

Sidewalk cover,  
looking east.





# PHOTOGRAPHIC LOG

<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
5	4/18/2025	

## Description:

Rear (southern) cover area.



<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
6	4/18/2025	

## Description:

Rear (southern) cover area.





# PHOTOGRAPHIC LOG

<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
7	4/18/2025	

**Description:**

Soil cuttings from  
NYSDEC well  
installation.



<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
8	4/18/2025	

**Description:**

Water cisterns and  
rear cover area.





# PHOTOGRAPHIC LOG

<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
9	4/18/2025	

**Description:**  
Water cistern.



<b>Exhibit:</b>	<b>Date:</b>	<b>Highland Plaza 2025 PRR (C915293)</b>
10	4/18/2025	

**Description:**  
Water cisterns and rear cover area.



---

## APPENDIX C

### INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

---



Enclosure 2  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Site Management Periodic Review Report Notice**  
**Institutional and Engineering Controls Certification Form**



**Site Details**

**Box 1**

**Site No.**            **C915293**

**Site Name** **Highland Plaza**

Site Address: 215 Highland Parkway    Zip Code: 14223

City/Town: Tonawanda (T)

County: Erie

Site Acreage: 0.690

Reporting Period: April 29, 2023 to April 29, 2025

YES    NO

1. Is the information above correct?

☒    ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐    ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐    ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐    ☒

**If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**

5. Is the site currently undergoing development?

☐    ☒

**Box 2**

YES    NO

6. Is the current site use consistent with the use(s) listed below?  
Commercial and Industrial

☒    ☐

7. Are all ICs in place and functioning as designed?

☒    ☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and  
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

**Box 2A**

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? ☐ ☒

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

9. Are the assumptions in the Qualitative Exposure Assessment still valid? ☒ ☐  
(The Qualitative Exposure Assessment must be certified every five years)

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C915293****Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**66.57-2-8.11**

Gary Crewson

Ground Water Use Restriction  
Soil Management Plan  
Landuse Restriction  
Monitoring Plan  
Site Management Plan  
IC/EC Plan

O&amp;M Plan

An Environmental Easement was filed with the Erie County Clerk's Office on August 22, 2017. The Controlled Property may be used for commercial and industrial use as long as the following long-term institutional controls are employed: (1) all Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP); (2) all Engineering Controls must be inspected at a frequency and in a manner defined in the SMP; (3) the use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department; (4) groundwater and other environmental or public health monitoring must be performed as defined in the SMP; (5) data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP; (6) all future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP; (7) monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP; (8) operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP; and (9) access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

**Box 4****Description of Engineering Controls**ParcelEngineering Control**66.57-2-8.11**

Vapor Mitigation  
Cover System

(1) A site cover currently exists and will be maintained to allow for commercial/industrial use of the site. Any site redevelopment will maintain the existing site cover, which consists of structures such as buildings, concrete sidewalks, an asphalt parking lot, and a clean soil cover over the southern portion of the site, adjacent to the alleyway.

(2) Sub-slab depressurization systems exist in Buildings 1 and 2. These systems will continue to operate to prevent the migration of sub-slab soil vapor from soil and groundwater into these buildings.



### Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and  
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. C915293

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeffrey Crewson at 1800 Broadway, #10, Buffalo, NY 14212  
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

[Signature]  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

5/13/25  
Date

## EC CERTIFICATIONS

**Box 7**

### Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jesse Alt-Winzig at C&S Engineers  
print name 141 Elm Street, Suite 100  
Buffalo, NY 14203  
print business address

am certifying as a for the Owner  
(Owner or Remedial Party)



Signature of , for the Owner or Remedial Party,  
Rendering Certification

Stamp  
(Required for PE)

5/28/2025

Date

---

## APPENDIX D

### CERTIFICATION OF SUB-SLAB DEPRESSURIZATION SYSTEMS

---



# studio T3

2495 Main Street, Suite 301  
Buffalo, NY 14214  
phone: (716) 803-6400  
fax: (716) 810-9504

April 17, 2025

Highland Plaza, LLC  
ATTN: Jeff Crewson  
1800 Broadway  
Buffalo, New York 14212  
Reference: **SSDS System Site Inspections**

Dear Mr. Crewson,

I completed an inspection of all four (4) sub-slab depressurization systems (SSDS) at the Highland Plaza in Tonawanda, New York on Thursday April 17, 2025. The inspection results are summarized in the table below:

HIGHLAND PLAZA SSDS						
ADDRESS	REFERENCE #	VACUUM	ELECTRIC POWER	PIPING	DRAW	SUCTION
231 HIGHLAND PARKWAY	B-1	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE
235 HIGHLAND PARKWAY	B-2	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE
237 HIGHLAND PARKWAY	B-3	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE
237 HIGHLAND PARKWAY	B-4	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE

Based on the results all four of the soil vapor extraction systems are functional and operating optimally.

Please do not hesitate to contact me with any questions regarding the above.

---

Andrew Terragnoli, P.E.



---

APPENDIX E

2024 NYSDEC GROUNDWATER  
MONITORING

---

**Table 4-3**  
**Monitoring Well Construction Summary**  
**Highland Plaza Off-Site Area, Site No. C915293A**  
**Tonawanda, New York**

Well Number	Ground Surface Elevation (ft. amsl)	Top of Riser Elevation (ft. amsl)	Total Boring Depth (feet)	Sandpack Interval (ft. bgs)	Sandpack Interval (ft. amsl)	Well Screen Interval (ft. bgs)	Well Screen Interval (ft. amsl)	Screened Water-Bearing Zone
<b>Highland Plaza BCP Site (C915293)</b>								
MW-1	613.75	613.56	24.0	4.0 to 24.0	609.75 to 589.75	14.0 to 24.0	599.75 to 589.75	Reddish-Brown Silty Clay
MW-2	613.46	613.23	24.0	4.0 to 24.0	609.46 to 589.46	14.0 to 24.0	599.46 to 589.46	Reddish-Brown Silty Clay
MW-3	613.33	613.11	24.0	4.5 to 24.0	608.83 to 589.33	14.0 to 24.0	599.33 to 589.33	Reddish-Brown Silty Clay
<b>Highland Plaza Off-Site Area (C915293A)</b>								
MW-4	614.85	614.52	24.0	4.5 to 24.0	610.35 to 590.85	14.0 to 24.0	600.85 to 590.85	Reddish-Brown Silty Clay
MW-5 ●	615.18	615.08	24.0	4.5 to 24.0	610.68 to 591.18	14.0 to 24.0	601.18 to 591.18	Reddish-Brown Silty Clay
MW-5R	615.32	615.09	24.0	12.0 to 24.0	603.32 to 591.32	14.0 to 24.0	601.32 to 591.32	Reddish-Brown Silty Clay
MW-6	615.71	615.34	24.0	12.0 to 24.0	603.71 to 591.71	14.0 to 24.0	601.71 to 591.71	Reddish-Brown Silty Clay
MW-7	613.36	612.92	24.0	12.0 to 24.0	601.36 to 589.36	14.0 to 24.0	599.36 to 589.36	Reddish-Brown Silty Clay

**Notes:**

ft. amsl = feet above mean sea level.

ft. bgs = Feet below ground surface.

● = This well was destroyed by snow plowing operations and was replaced in October 2023 with a 2-inch well (MW-5R).

**Table 6-3**  
**Summary of the Groundwater Analytical Results**  
**Highland Plaza Off-Site Area, Site No. C915293A**  
**Tonawanda, New York**



**Department of  
Environmental  
Conservation**

Well Number	NYSDEC	MW-1	MW-2	MW-3	MW-4	MW-5R	MW-6	MW-7
Well Location	Groundwater	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site
Well Screen Interval (feet bgs)	Standard •	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0
Sample Date		08/06/24	08/07/24	08/07/24	08/07/24	08/07/24	08/07/24	08/07/24
<b>Volatile Organic Compounds (µg/L)</b>								
1,1,1-Trichloroethane	5.0							
1,1-Dichloroethene	5.0							
cis -1,2-Dichloroethene	5.0			7.9	5,000			
trans-1,2-Dichloroethene	5.0							
Acetone	50.0							
Benzene	1.0							
Chloroform	7.0					0.66 J		
Methyl ethyl ketone	50 G							
Methylene chloride	5.0							
n-Propylbenzene	5.0							
Tetrachloroethene	5.0				67,000			
Toluene	5.0							
Trichloroethene	5.0			0.46 J	5,200			
1,2,4-Trimethylbenzene	5.0							
1,3,5-Trimethylbenzene	5.0							
Vinyl chloride	2.0							
Xylene (Total)	5.0							
<b>Metals (µg/L)</b>								
Aluminum	NS	21,600	34,200	17,400	7,400	170 J	132,000	360.0
Antimony ■	3.0							
Arsenic ■	25.0	11.0 J	15.0 J	8.2 J	8.3 J		44.0	
Barium	1,000	450.0	320.0	180.0	130.0	160.0	810.0	56.0
Beryllium ■	3.0	0.95 J	1.5	0.76 J			6.3	
Cadmium ■	5.0		0.68 J				2.9	
Calcium	NS	254,000	152,000	108,000	72,900	75,100	498,000	63,500
Chromium ■	50.0	33.0	63.0	26.0	14.0		350.0	
Cobalt	NS	9.5	19.0	8.9	3.9 J		110.0	
Copper ■	200.0	41.0	32.0	17.0	9.5 J		240.0	



Table 6-3  
Summary of the Groundwater Analytical Results  
Highland Plaza Off-Site Area, Site No. C915293A  
Tonawanda, New York



Well Number	NYSDEC	MW-1	MW-2	MW-3	MW-4	MW-5R	MW-6	MW-7
Well Location	Groundwater	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site
Well Screen Interval (feet bgs)	Standard ●	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0	14.0 - 24.0
Sample Date		08/06/24	08/07/24	08/07/24	08/07/24	08/07/24	08/07/24	08/07/24
Metals (continued)								
Iron	300.0	24,800	48,200	22,600	9,300	210.0	173,000	420.0
Lead ■	25.0	23.0	26.0	8.8 J	8.0 J		140.0	
Magnesium	35,000 G	202,000	140,000	142,000	122,000	107,000	308,000	163,000
Manganese	300.0	630.0	950.0	490.0	200.0	17.0	4,200	12.0
Mercury ■	0.7							
Nickel	100.0	24.0	48.0	24.0	10.0		220.0	
Potassium	NS	9,900	14,700	9,900	5,900	4,600	40,300	5,400
Selenium ■	10.0							
Silver ■	50.0						3.5 J	
Sodium	20,000	418,000	41,200	60,500	33,900	34,700	76,200	65,600
Vanadium	NS	34.0	64.0	32.0	14.0		250.0	1.9 J
Zinc ■	2,000 G	130.0	150.0	69.0	41.0	23.0	860.0	38.0

**Notes:**

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2021.

µg/L = micrograms per liter or parts per billion.

NS = No standard or guidance value available.

■ = Environmental Protection Agency priority pollutant metal.

G = Guidance value.

J = Compound reported at an estimated concentration.

JH = Compound is positively identified and reported at an estimated concentration that is probably high.

Blanks = Contaminant analyzed for but not detected at or above the laboratory detection limit.

Yellow shaded values exceed NYSDEC groundwater standards or guidance values.

**This table was modified on April 26, 2022 with the data validator's qualifiers.**

Table 7-5A  
Summary of Groundwater Analytical Results for VOCs  
Highland Plaza Off-Site Area, Site No. C915293A  
Tonawanda, New York



Department of  
Environmental  
Conservation

Well Number Well Location Well Screen Interval (feet bgs) Sample Date	NYSDEC Groundwater Standard ●	MW-1 On-Site 14.0 - 24.0					MW-2 On-Site 14.0 - 24.0				
		12/22/15	12/21/17	06/21/19	05/17/21	08/06/24	12/22/15	12/21/17	06/21/19	05/17/21	08/07/24
		Volatile Organic Compounds (µg/L)									
1,1,1-Trichloroethane	5.0										
1,1-Dichloroethene	5.0										
cis -1,2-Dichloroethene	5.0										
trans-1,2-Dichloroethene	5.0										
Acetone	50.0	5.4 J		19.0							
Benzene	1.0										
Chloroform	7.0										
Methyl ethyl ketone	50 G										
Methylene chloride	5.0										
n-Propylbenzene	5.0										
Tetrachloroethene	5.0										
Toluene	5.0										
Trichloroethene	5.0										
1,2,4-Trimethylbenzene	5.0										
1,3,5-Trimethylbenzene	5.0										
Vinyl chloride	2.0										
Xylene (Total)	5.0										

**Notes:**

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

µg/L = micrograms per liter or parts per billion.

G = Guidance value.

J = Compound reported at an estimated concentration.

Blanks = Contaminant analyzed for but not detected at or above the laboratory detection limit.

Yellow shaded values exceed NYSDEC groundwater standards or guidance values.

This table was modified on April 29, 2021 with the data validator's qualifiers for the 2015, 2017 and 2019 results.

This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2021 results.

**This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2024 results.**

**Table 7-5B**  
**Summary of Groundwater Analytical Results for VOCs**  
**Highland Plaza Off-Site Area, Site No. C915293A**  
**Tonawanda, New York**



Well Number Well Location Well Screen Interval (feet bgs) Sample Date	NYSDEC Groundwater Standard ●	MW-3 On-Site 14.0 - 24.0					MW-4 Off-Site 14.0 - 24.0				
		12/22/15	12/20/17	06/21/19	05/17/21	08/07/24	12/22/15	12/20/17	06/21/19	05/17/21	08/07/24
		Volatile Organic Compounds (µg/L)									
1,1,1-Trichloroethane	5.0										
1,1-Dichloroethene	5.0						10.0 J			7.8 J	
cis -1,2-Dichloroethene	5.0	24.0	5.7		5.8	7.9	900 J	2,300		1,500 J ♠	5,000
trans-1,2-Dichloroethene	5.0										
Acetone	50.0				16.0						
Benzene	1.0										
Chloroform	7.0										
Methyl ethyl ketone	50 G										
Methylene chloride	5.0										
n-Propylbenzene	5.0										
Tetrachloroethene	5.0		0.49 J	0.47 J	150.0 ♠		58,000 ♠	120,000 ♠	52,000	84,000 J ♠	67,000 ♠
Toluene	5.0										
Trichloroethene	5.0	0.85 J			1.9	0.46 J	740.0	1,900 J ♠		610.0 ♠	5,200
1,2,4-Trimethylbenzene	5.0										
1,3,5-Trimethylbenzene	5.0										
Vinyl chloride	2.0										
Xylene (Total)	5.0										

**Notes:**

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

µg/L = micrograms per liter or parts per billion.

♣ = Results of a diluted sample analysis.

G = Guidance value.

J = Compound reported at an estimated concentration.

Blanks = Contaminant analyzed for but not detected at or above the laboratory detection limit.

Yellow shaded values exceed NYSDEC groundwater standards or guidance values.

This table was modified on April 29, 2021 with the data validator's qualifiers for the 2015, 2017 and 2019 results.

This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2021 results.

**This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2024 results.**

Table 7-5C  
Summary of Groundwater Analytical Results for VOCs  
Highland Plaza Off-Site Area, Site No. C915293A  
Tonawanda, New York



Well Number Well Location Well Screen Interval (feet bgs) Sample Date	NYSDEC Groundwater Standard •	MW-5 * Off-Site 14.0 - 24.0				MW-5R Off-Site 14.0 - 24.0	MW-6 Off-Site 14.0 - 24.0	MW-7 Off-Site 14.0 - 24.0
		12/22/15	12/20/17	06/21/19	05/17/21	08/07/24	08/07/24	08/07/24
		Volatile Organic Compounds (µg/L)						
1,1,1-Trichloroethane	5.0							
1,1-Dichloroethene	5.0							
cis -1,2-Dichloroethene	5.0	1,100	900.0	580.0	220 J ♣			
trans-1,2-Dichloroethene	5.0	34.0		18.0	5.3 J			
Acetone	50.0							
Benzene	1.0							
Chloroform	7.0				0.61 J	0.66 J		
Methyl ethyl ketone	50 G							
Methylene chloride	5.0							
n-Propylbenzene	5.0							
Tetrachloroethene	5.0	3,000 ♣	1,900	200.0	2,200 J ♣			
Toluene	5.0							
Trichloroethene	5.0	1,700	1,000	130.0	170 J ♣			
1,2,4-Trimethylbenzene	5.0							
1,3,5-Trimethylbenzene	5.0							
Vinyl chloride	2.0							
Xylene (Total)	5.0							

**Notes:**

- = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.
- \* = This well was found destroyed in August 2023 and replaced in October 2023 by well MW-5R. See text for more details.
- µg/L = micrograms per liter or parts per billion.
- ♣ = Results of a diluted sample analysis.
- G = Guidance value.
- J = Compound reported at an estimated concentration.
- Blanks = Contaminant analyzed for but not detected at or above the laboratory detection limit.
- Yellow shaded values exceed NYSDEC groundwater standards or guidance values.
- This table was modified on April 29, 2021 with the data validator's qualifiers for the 2015, 2017 and 2019 results.
- This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2021 results.
- This table was modified on April 26, 2022 with the data validator's qualifiers for the the 2024 results.

## **Data Usability Summary Report**

Vali-Data of WNY, LLC  
20 Hickory Grove Spur  
Fulton, NY 13069

NYSDEC: Highland Plaza #0924016  
Eurofins Environmental Testing SDG#480-222377-1  
November 15, 2024  
Revised: November 15, 2024  
Sampling date: 8/6, 7/2024

Prepared by:  
Jodi Zimmerman  
Vali-Data of WNY, LLC  
20 Hickory Grove Spur  
Fulton, NY 13069

NYSDEC: Highland Plaza #0924016  
SDG# 480-222377-1

## **DELIVERABLES**

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised November 15, 2024) for Groundwater and Environmental Services, Inc. project located at NYSDEC: Highland Plaza #0924016, SDG#480-222377-1 submitted to Vali-Data of WNY, LLC on October 7, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and Inorganics/Mercury (200.7 Rev. 4.4. 245.1).

<b>ID</b>	<b>Sample ID</b>	<b>Laboratory ID</b>
1	MW-01	480-222377-1
2	MW-02	480-222377-2
3	MW-03	480-222377-3
4	MW-04	480-222377-4
5	MW-05R	480-222377-5
6	MW-06	480-222377-6
7	MW-07	480-222377-7
8	DRUM	480-222377-8
9	DUP	480-222377-9

## **VOLATILE ORGANIC COMPOUNDS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

NYSDEC: Highland Plaza #0924016

SDG# 480-222377-1

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use.

Samples: DUSR ID#4 and #8 were diluted due to high target analyte concentrations.

### **DATA COMPLETENESS**

All criteria were met.

### **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

### **CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

### **HOLDING TIMES**

All holding times were met except the pH of DUSR ID#6 and #9 was outside QC limits. These samples were analyzed within 7 days, so no further action is required.

### **INTERNAL STANDARD (IS)**

All criteria were met.

### **SURROGATE SPIKE RECOVERIES**

All criteria were met.

### **METHOD BLANK**

All criteria were met.

### **FIELD DUPLICATE SAMPLE PRECISION**

All criteria were met except Acetone was detected in DUSR ID#9 but was not detected in #6.

### **LABORATORY CONTROL SAMPLES**

All criteria were met.

### **MS/MSD**

All criteria were met.

### **COMPOUND QUANTITATION**

All criteria were met.

### **INITIAL CALIBRATION**

All criteria were met.

Alternate forms of regression were used on some of the target analytes with acceptable results, so no further action is required.

## **CONTINUING CALIBRATION**

All criteria were met.

## **GC/MS PERFORMANCE CHECK**

All criteria were met.

## **METALS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use except where qualified below in Calibration.

Samples: DUSR ID#1-3, #6 and #9 were diluted in the Hg analysis due to interferences.

## **DATA COMPLETENESS**

All criteria were met.

## **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

## **CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

## **HOLDING TIMES**

All holding times were met except the pH of the samples arrived at the laboratory outside QC



limits. The pH was adjusted to <2, so no further action is required.

#### **BLANKS**

All criteria were met.

#### **LABORATORY CONTROL SAMPLE**

All criteria were met.

#### **MS/MSD/DUPLICATE**

All criteria were met.

#### **FIELD DUPLICATE**

All criteria were met except Sb was detected in DUSR ID#9 but was not detected in #6.

#### **SERIAL DILUTION**

All criteria were met.

#### **COMPOUND QUANTITATION**

All criteria were met.

#### **CALIBRATION**

All criteria were met except a target analyte was outside QC limits in a interference check standard and should be qualified as estimated in the associated samples, blanks and spikes.

ICS ID	Target Analyte	%Rec	Qualifier	Associated Sample
ICSAB 480-721448/10	Fe	84	UJ/J	480-721282, 1-7, 9, 5MS/MSD

## **Job Narrative 480-222377-1**

### **Revision 1**

The report being provided is a revision of the original report sent on 8/16/2024. The report (Revision 1) was revised to include missing QC data and to remove chain of custody from an unrelated project.

### **Receipt**

The samples were received on 8/7/2024 4:13 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

### **GC/MS VOA**

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-06 (480-222377-6) and DUP (480-222377-9).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4) and DRUM (480-222377-8). 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.

### **Metals**

Method 200.7: The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation at a pH of >2. The sample(s) was preserved to the appropriate pH in the laboratory on 08-08-2024 at 1459. Second check 08-09-2024 at 1500.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-1. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 2x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-2. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-3. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 50x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-6. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-9. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

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

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**

**Lab Sample ID: 480-222377-1**

**Date Collected: 08/06/24 09:03**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 22:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 22:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 22:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 22:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 22:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 22:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 22:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 22:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 22:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 22:40	1
Acetone	ND		10	3.0	ug/L			08/12/24 22:40	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 22:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 22:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 22:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 22:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 22:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 22:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 22:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 22:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 22:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 22:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 22:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 22:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 22:40	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 22:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 22:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 22:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 22:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 22:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 22:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 22:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 22:40	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**

**Date Collected: 08/06/24 09:03**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-1**

**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		08/12/24 22:40	1
Toluene-d8 (Surr)	102		80 - 120		08/12/24 22:40	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/12/24 22:40	1
Dibromofluoromethane (Surr)	96		75 - 123		08/12/24 22:40	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21.6		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:43	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1
Arsenic	0.011	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:43	1
Barium	0.45		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:43	1
Beryllium	0.00095	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:43	1
Calcium	254		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:43	1
Chromium	0.033		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cobalt	0.0095		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:43	1
Copper	0.041		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:43	1
Iron	24.8		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:43	1
Lead	0.023		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:43	1
Magnesium	202		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:43	1
Manganese	0.63		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:43	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:43	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:43	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:43	1
Sodium	418		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:43	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Vanadium	0.034		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:43	1
Zinc	0.13		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:50	1

**Client Sample ID: MW-02**

**Date Collected: 08/07/24 07:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1

Eurofins Buffalo

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-02**

**Date Collected: 08/07/24 07:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**

**Matrix: Water**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:03	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:03	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:03	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:03	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:03	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 23:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:03	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:03	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 23:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		08/12/24 23:03	1
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:03	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/12/24 23:03	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:03	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	34.2		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:45	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1
Arsenic	0.015		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:45	1
Barium	0.32		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:45	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-02**

**Date Collected: 08/07/24 07:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**

**Matrix: Water**

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.0015	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cadmium	0.00068	J	0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:45	1
Calcium	152		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:45	1
Chromium	0.063		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cobalt	0.019		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:45	1
Copper	0.032		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:45	1
Iron	48.2		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:45	1
Lead	0.026		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:45	1
Magnesium	140		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:45	1
Manganese	0.95		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Nickel	0.048		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:45	1
Potassium	14.7		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:45	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:45	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:45	1
Sodium	41.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:45	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Vanadium	0.064		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:45	1
Zinc	0.15		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 14:51	1

**Client Sample ID: MW-03**

**Date Collected: 08/07/24 08:40**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-3**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:27	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:27	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:27	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-03**

**Lab Sample ID: 480-222377-3**

**Date Collected: 08/07/24 08:40**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:27	1
cis-1,2-Dichloroethene	7.9		1.0	0.81	ug/L			08/12/24 23:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:27	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:27	1
Trichloroethene	0.46	J	1.0	0.46	ug/L			08/12/24 23:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		08/12/24 23:27	1
Toluene-d8 (Surr)	108		80 - 120		08/12/24 23:27	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/12/24 23:27	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:27	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17.4		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:47	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1
Arsenic	0.0082	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:47	1
Barium	0.18		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:47	1
Beryllium	0.00076	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:47	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:47	1
Calcium	108		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:47	1
Chromium	0.026		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:47	1
Cobalt	0.0089		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:47	1
Copper	0.017		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:47	1
Iron	22.6		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:47	1
Lead	0.0088	J	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:47	1
Magnesium	142		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:47	1
Manganese	0.49		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-03**

**Lab Sample ID: 480-222377-3**

**Date Collected: 08/07/24 08:40**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:47	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:47	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:47	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:47	1
Sodium	60.5		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:47	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:47	1
Vanadium	0.032		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:47	1
Zinc	0.069		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:53	1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		800	660	ug/L			08/12/24 23:50	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,1,2-Trichloroethane	ND		800	180	ug/L			08/12/24 23:50	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250	ug/L			08/12/24 23:50	800
1,1-Dichloroethane	ND		800	300	ug/L			08/12/24 23:50	800
1,1-Dichloroethene	ND		800	230	ug/L			08/12/24 23:50	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			08/12/24 23:50	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			08/12/24 23:50	800
1,2-Dibromoethane	ND		800	580	ug/L			08/12/24 23:50	800
1,2-Dichlorobenzene	ND		800	630	ug/L			08/12/24 23:50	800
1,2-Dichloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,2-Dichloropropane	ND		800	580	ug/L			08/12/24 23:50	800
1,3-Dichlorobenzene	ND		800	620	ug/L			08/12/24 23:50	800
1,4-Dichlorobenzene	ND		800	670	ug/L			08/12/24 23:50	800
2-Hexanone	ND		4000	990	ug/L			08/12/24 23:50	800
2-Butanone (MEK)	ND		8000	1100	ug/L			08/12/24 23:50	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			08/12/24 23:50	800
Acetone	ND		8000	2400	ug/L			08/12/24 23:50	800
Benzene	ND		800	330	ug/L			08/12/24 23:50	800
Bromodichloromethane	ND		800	310	ug/L			08/12/24 23:50	800
Bromoform	ND		800	210	ug/L			08/12/24 23:50	800
Bromomethane	ND		800	550	ug/L			08/12/24 23:50	800
Carbon disulfide	ND		800	150	ug/L			08/12/24 23:50	800
Carbon tetrachloride	ND		800	220	ug/L			08/12/24 23:50	800
Chlorobenzene	ND		800	600	ug/L			08/12/24 23:50	800
Dibromochloromethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroform	ND		800	270	ug/L			08/12/24 23:50	800
Chloromethane	ND		800	280	ug/L			08/12/24 23:50	800
cis-1,2-Dichloroethene	5000		800	650	ug/L			08/12/24 23:50	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			08/12/24 23:50	800

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		800	140	ug/L			08/12/24 23:50	800
Dichlorodifluoromethane	ND		800	540	ug/L			08/12/24 23:50	800
Ethylbenzene	ND		800	590	ug/L			08/12/24 23:50	800
Isopropylbenzene	ND		800	630	ug/L			08/12/24 23:50	800
Methyl acetate	ND		2000	1000	ug/L			08/12/24 23:50	800
Methyl tert-butyl ether	ND		800	130	ug/L			08/12/24 23:50	800
Methylcyclohexane	ND		800	130	ug/L			08/12/24 23:50	800
Methylene Chloride	ND		800	350	ug/L			08/12/24 23:50	800
Styrene	ND		800	580	ug/L			08/12/24 23:50	800
<b>Tetrachloroethene</b>	<b>81000</b>	<b>E</b>	800	290	ug/L			08/12/24 23:50	800
Toluene	ND		800	410	ug/L			08/12/24 23:50	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			08/12/24 23:50	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			08/12/24 23:50	800
<b>Trichloroethene</b>	<b>5200</b>		800	370	ug/L			08/12/24 23:50	800
Trichlorofluoromethane	ND		800	700	ug/L			08/12/24 23:50	800
Vinyl chloride	ND		800	720	ug/L			08/12/24 23:50	800
Xylenes, Total	ND		1600	530	ug/L			08/12/24 23:50	800

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/24 23:50	800
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:50	800
4-Bromofluorobenzene (Surr)	100		73 - 120		08/12/24 23:50	800
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:50	800

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			08/13/24 15:18	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			08/13/24 15:18	2000
1,1-Dichloroethane	ND		2000	760	ug/L			08/13/24 15:18	2000
1,1-Dichloroethene	ND		2000	580	ug/L			08/13/24 15:18	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			08/13/24 15:18	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			08/13/24 15:18	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			08/13/24 15:18	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,2-Dichloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			08/13/24 15:18	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			08/13/24 15:18	2000
2-Hexanone	ND		10000	2500	ug/L			08/13/24 15:18	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			08/13/24 15:18	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			08/13/24 15:18	2000
Acetone	ND		20000	6000	ug/L			08/13/24 15:18	2000
Benzene	ND		2000	820	ug/L			08/13/24 15:18	2000
Bromodichloromethane	ND		2000	780	ug/L			08/13/24 15:18	2000
Bromoform	ND		2000	520	ug/L			08/13/24 15:18	2000
Bromomethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Carbon disulfide	ND		2000	380	ug/L			08/13/24 15:18	2000
Carbon tetrachloride	ND		2000	540	ug/L			08/13/24 15:18	2000

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Dibromochloromethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroform	ND		2000	680	ug/L			08/13/24 15:18	2000
Chloromethane	ND		2000	700	ug/L			08/13/24 15:18	2000
cis-1,2-Dichloroethene	4800		2000	1600	ug/L			08/13/24 15:18	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			08/13/24 15:18	2000
Cyclohexane	ND		2000	360	ug/L			08/13/24 15:18	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Ethylbenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Isopropylbenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
Methyl acetate	ND		5000	2600	ug/L			08/13/24 15:18	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylcyclohexane	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylene Chloride	ND		2000	880	ug/L			08/13/24 15:18	2000
Styrene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Tetrachloroethene	67000		2000	720	ug/L			08/13/24 15:18	2000
Toluene	ND		2000	1000	ug/L			08/13/24 15:18	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			08/13/24 15:18	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			08/13/24 15:18	2000
Trichloroethene	4600		2000	920	ug/L			08/13/24 15:18	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			08/13/24 15:18	2000
Vinyl chloride	ND		2000	1800	ug/L			08/13/24 15:18	2000
Xylenes, Total	ND		4000	1300	ug/L			08/13/24 15:18	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		08/13/24 15:18	2000
Toluene-d8 (Surr)	109		80 - 120		08/13/24 15:18	2000
4-Bromofluorobenzene (Surr)	99		73 - 120		08/13/24 15:18	2000
Dibromofluoromethane (Surr)	98		75 - 123		08/13/24 15:18	2000

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7.4		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:54	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1
Arsenic	0.0083	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:54	1
Barium	0.13		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:54	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:54	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:54	1
Calcium	72.9		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:54	1
Chromium	0.014		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:54	1
Cobalt	0.0039	J	0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:54	1
Copper	0.0095	J	0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:54	1
Iron	9.3		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:54	1
Lead	0.0080	J	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:54	1
Magnesium	122		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:54	1
Manganese	0.20		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:54	1
Nickel	0.010		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:54	1
Potassium	5.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:54	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:54	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Date Collected: 08/07/24 12:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-4**

**Matrix: Water**

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Sodium</b>	<b>33.9</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:54	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Vanadium</b>	<b>0.014</b>		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Zinc</b>	<b>0.041</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:54	1

**Client Sample ID: MW-05R**

**Date Collected: 08/07/24 11:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-5**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:14	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:14	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:14	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:14	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
<b>Chloroform</b>	<b>0.66</b>	<b>J</b>	1.0	0.34	ug/L			08/13/24 00:14	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:14	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-05R**

**Lab Sample ID: 480-222377-5**

**Date Collected: 08/07/24 11:30**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:14	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:14	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		08/13/24 00:14	1
Toluene-d8 (Surr)	107		80 - 120		08/13/24 00:14	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/13/24 00:14	1
Dibromofluoromethane (Surr)	100		75 - 123		08/13/24 00:14	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.17</b>	<b>J</b>	0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:56	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Barium</b>	<b>0.16</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:56	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Calcium</b>	<b>75.1</b>		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:56	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:56	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Iron</b>	<b>0.21</b>		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:56	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Magnesium</b>	<b>107</b>		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Manganese</b>	<b>0.017</b>		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Potassium</b>	<b>4.6</b>		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:56	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:56	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Sodium</b>	<b>34.7</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:56	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Vanadium	ND		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Zinc</b>	<b>0.023</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:55	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-06**

**Lab Sample ID: 480-222377-6**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:37	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:37	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:37	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:37	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 00:37	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:37	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:37	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:37	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-06**

**Date Collected: 08/07/24 10:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-6**

**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		08/13/24 00:37	1
Toluene-d8 (Surr)	108		80 - 120		08/13/24 00:37	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/13/24 00:37	1
Dibromofluoromethane (Surr)	103		75 - 123		08/13/24 00:37	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	132		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:06	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1
Arsenic	0.044		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:06	1
Barium	0.81		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:06	1
Beryllium	0.0063		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cadmium	0.0029		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:06	1
Calcium	498		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:06	1
Chromium	0.35		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cobalt	0.11		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:06	1
Copper	0.24		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:06	1
Iron	173		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:06	1
Lead	0.14		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:06	1
Magnesium	308		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:06	1
Manganese	4.2		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Nickel	0.22		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:06	1
Potassium	40.3		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:06	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:06	1
Silver	0.0035	J	0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:06	1
Sodium	76.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:06	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Vanadium	0.25		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:06	1
Zinc	0.86		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00038	J	0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:00	1

**Client Sample ID: MW-07**

**Date Collected: 08/07/24 13:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-7**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-07**

**Lab Sample ID: 480-222377-7**

**Date Collected: 08/07/24 13:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:01	1
Acetone	ND		10	3.0	ug/L			08/13/24 01:01	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:01	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:01	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		08/13/24 01:01	1
Toluene-d8 (Surr)	102		80 - 120		08/13/24 01:01	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:01	1
Dibromofluoromethane (Surr)	95		75 - 123		08/13/24 01:01	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.36		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:08	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:08	1
Barium	0.056		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:08	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-07**

**Date Collected: 08/07/24 13:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-7**

**Matrix: Water**

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:08	1
Calcium	63.5		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:08	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:08	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:08	1
Iron	0.42		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:08	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:08	1
Magnesium	163		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:08	1
Manganese	0.012		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:08	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:08	1
Potassium	5.4		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:08	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:08	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:08	1
Sodium	65.6		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:08	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:08	1
Vanadium	0.0019	J	0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:08	1
Zinc	0.038		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 15:04	1

**Client Sample ID: DRUM**

**Date Collected: 08/07/24 14:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-8**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			08/13/24 15:41	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			08/13/24 15:41	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			08/13/24 15:41	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			08/13/24 15:41	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			08/13/24 15:41	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			08/13/24 15:41	2
2-Hexanone	ND		10	2.5	ug/L			08/13/24 15:41	2
2-Butanone (MEK)	ND		20	2.6	ug/L			08/13/24 15:41	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			08/13/24 15:41	2
Acetone	ND		20	6.0	ug/L			08/13/24 15:41	2
Benzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
Bromodichloromethane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
Bromoform	ND		2.0	0.52	ug/L			08/13/24 15:41	2

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: DRUM**

**Date Collected: 08/07/24 14:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-8**

**Matrix: Water**

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Carbon disulfide	ND		2.0	0.38	ug/L			08/13/24 15:41	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			08/13/24 15:41	2
Chlorobenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Dibromochloromethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroform	ND		2.0	0.68	ug/L			08/13/24 15:41	2
Chloromethane	ND		2.0	0.70	ug/L			08/13/24 15:41	2
cis-1,2-Dichloroethene	89		2.0	1.6	ug/L			08/13/24 15:41	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			08/13/24 15:41	2
Cyclohexane	ND		2.0	0.36	ug/L			08/13/24 15:41	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Isopropylbenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
Methyl acetate	ND		5.0	2.6	ug/L			08/13/24 15:41	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylcyclohexane	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylene Chloride	ND		2.0	0.88	ug/L			08/13/24 15:41	2
Styrene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Tetrachloroethene	3.4		2.0	0.72	ug/L			08/13/24 15:41	2
Toluene	ND		2.0	1.0	ug/L			08/13/24 15:41	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/13/24 15:41	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			08/13/24 15:41	2
Trichloroethene	2.1		2.0	0.92	ug/L			08/13/24 15:41	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Vinyl chloride	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/13/24 15:41	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/13/24 15:41	2
Toluene-d8 (Surr)	104		80 - 120		08/13/24 15:41	2
4-Bromofluorobenzene (Surr)	95		73 - 120		08/13/24 15:41	2
Dibromofluoromethane (Surr)	99		75 - 123		08/13/24 15:41	2

**Client Sample ID: DUP**

**Date Collected: 08/07/24 10:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-9**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DUP

Lab Sample ID: 480-222377-9

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:47	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:47	1
Acetone	4.0	J	10	3.0	ug/L			08/13/24 01:47	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:47	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:47	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:47	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		08/13/24 01:47	1
Toluene-d8 (Surr)	103		80 - 120		08/13/24 01:47	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:47	1
Dibromofluoromethane (Surr)	97		75 - 123		08/13/24 01:47	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	338		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:09	1
Antimony	0.010	J	0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1
Arsenic	0.096		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:09	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: DUP**

**Lab Sample ID: 480-222377-9**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	2.2		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:09	1
Beryllium	0.015		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cadmium	0.0064		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:09	1
Calcium	2320		5.0	1.3	mg/L		08/12/24 09:09	08/13/24 12:34	10
Chromium	0.92		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cobalt	0.42		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:09	1
Copper	0.66		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:09	1
Iron	268		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:09	1
Lead	0.54		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:09	1
Magnesium	485		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:09	1
Manganese	11.0		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Nickel	0.54		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:09	1
Potassium	84.2		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:09	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:09	1
Silver	0.0074		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:09	1
Sodium	44.0		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:09	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Vanadium	0.64		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:09	1
Zinc	2.1		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0014		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:06	1

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: Eurofins Buffalo

Job No.: 480-222377-1

SDG No.:

Lab Sample ID: ICSAB 480-721448/10

Instrument ID: ICAP4

Lab File ID: I420240812C.csv

ICS Source: MEI\_MSS\_ICSAB\_00066

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500	486	97
Antimony	0.500	0.498	100
Arsenic	0.500	0.483	97
Barium	0.513	0.515	100
Beryllium	0.250	0.248	99
Boron	5.00	4.89	98
Cadmium	0.500	0.493	99
Calcium	500	460	92
Chromium	0.500	0.472	94
Cobalt	0.500	0.493	99
Copper	0.500	0.514	103
Iron	200	169	84
Lead	0.500	0.506	101
Lithium		0.0007	
Magnesium	500	505	101
Manganese	0.501	0.457	91
Molybdenum	0.500	0.486	97
Nickel	0.501	0.466	93
Potassium	5.00	5.08	102
Selenium	0.500	0.481	96
Silver	0.500	0.501	100
Sodium	5.00	5.18	104
Strontium	0.500	0.493	99
Sulfur		0.0614	
Thallium	0.500	0.500	100
Tin	0.500	0.505	101
Titanium	0.500	0.498	100
Vanadium	0.500	0.483	97
Zinc	0.501	0.445	89

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Thomas Palmer  
Groundwater & Environmental Services Inc  
6010 North Bailey Avenue  
Suite 1  
Amherst, New York 14226

Generated 8/16/2024 3:05:21 PM

## JOB DESCRIPTION

NYSDEC Highland Plaza; 0924016

## JOB NUMBER

480-222377-1

# Eurofins Buffalo

## Job Notes

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## Authorization



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Authorized for release by  
Wyatt Watson, Project Management Assistant I  
[Wyatt.Watson@et.eurofinsus.com](mailto:Wyatt.Watson@et.eurofinsus.com)  
Designee for  
John Beninati, Project Manager I  
[John.Beninati@et.eurofinsus.com](mailto:John.Beninati@et.eurofinsus.com)  
(716)504-9874



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## Definitions/Glossary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

### Qualifiers

#### GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

#### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

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

## Case Narrative

Client: Groundwater & Environmental Services Inc  
Project: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Job ID: 480-222377-1**

**Eurofins Buffalo**

### Job Narrative 480-222377-1

#### Receipt

The samples were received on 8/7/2024 4:13 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

#### GC/MS VOA

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-06 (480-222377-6) and DUP (480-222377-9).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4) and DRUM (480-222377-8). 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.

#### Metals

Method 200.7: The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation at a pH of >2. The sample(s) was preserved to the appropriate pH in the laboratory on 08-08-2024 at 1459. Second check 08-09-2024 at 1500.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-1. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 2x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-2. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-3. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 50x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-6. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-9. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

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

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# Detection Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

## Client Sample ID: MW-01

## Lab Sample ID: 480-222377-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	21.6		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.011	J	0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.45		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Beryllium	0.00095	J	0.0020	0.00040	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	254		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	0.033		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.0095		0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.041		0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	24.8		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.023		0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	202		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.63		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.024		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	9.9		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	418		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.034		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.13		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

## Client Sample ID: MW-02

## Lab Sample ID: 480-222377-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	34.2		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.015		0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.32		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Beryllium	0.0015	J	0.0020	0.00040	mg/L	1		200.7 Rev 4.4	Total/NA
Cadmium	0.00068	J	0.0020	0.00050	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	152		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	0.063		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.019		0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.032		0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	48.2		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.026		0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	140		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.95		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.048		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	14.7		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	41.2		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.064		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.15		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

## Client Sample ID: MW-03

## Lab Sample ID: 480-222377-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.9		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.46	J	1.0	0.46	ug/L	1		8260C	Total/NA
Aluminum	17.4		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0082	J	0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.18		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Beryllium	0.00076	J	0.0020	0.00040	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	108		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	0.026		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.0089		0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

### Client Sample ID: MW-03 (Continued)

### Lab Sample ID: 480-222377-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.017		0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	22.6		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0088	J	0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	142		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.49		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.024		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	9.9		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	60.5		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.032		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.069		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

### Client Sample ID: MW-04

### Lab Sample ID: 480-222377-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5000		800	650	ug/L	800		8260C	Total/NA
Tetrachloroethene	81000	E	800	290	ug/L	800		8260C	Total/NA
Trichloroethene	5200		800	370	ug/L	800		8260C	Total/NA
cis-1,2-Dichloroethene - DL	4800		2000	1600	ug/L	2000		8260C	Total/NA
Tetrachloroethene - DL	67000		2000	720	ug/L	2000		8260C	Total/NA
Trichloroethene - DL	4600		2000	920	ug/L	2000		8260C	Total/NA
Aluminum	7.4		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.0083	J	0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.13		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	72.9		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	0.014		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.0039	J	0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.0095	J	0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	9.3		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.0080	J	0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	122		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.20		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.010		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	5.9		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	33.9		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.014		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.041		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

### Client Sample ID: MW-05R

### Lab Sample ID: 480-222377-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.66	J	1.0	0.34	ug/L	1		8260C	Total/NA
Aluminum	0.17	J	0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.16		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	75.1		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	0.21		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	107		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.017		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	4.6		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	34.7		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.023		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

## Detection Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

### Client Sample ID: MW-06

### Lab Sample ID: 480-222377-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	132		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.044		0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.81		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Beryllium	0.0063		0.0020	0.00040	mg/L	1		200.7 Rev 4.4	Total/NA
Cadmium	0.0029		0.0020	0.00050	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	498		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	0.35		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.11		0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.24		0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	173		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.14		0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	308		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	4.2		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.22		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	40.3		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Silver	0.0035	J	0.0060	0.0017	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	76.2		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.25		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.86		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA
Mercury	0.00038	J	0.00060	0.00013	mg/L	1		245.1	Total/NA

### Client Sample ID: MW-07

### Lab Sample ID: 480-222377-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.36		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	0.056		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Calcium	63.5		0.50	0.13	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	0.42		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	163		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	0.012		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	5.4		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	65.6		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.0019	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	0.038		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA

### Client Sample ID: DRUM

### Lab Sample ID: 480-222377-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	89		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	3.4		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	2.1		2.0	0.92	ug/L	2		8260C	Total/NA

### Client Sample ID: DUP

### Lab Sample ID: 480-222377-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	10	3.0	ug/L	1		8260C	Total/NA
Aluminum	338		0.20	0.088	mg/L	1		200.7 Rev 4.4	Total/NA
Antimony	0.010	J	0.020	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA
Arsenic	0.096		0.015	0.0056	mg/L	1		200.7 Rev 4.4	Total/NA
Barium	2.2		0.0020	0.00070	mg/L	1		200.7 Rev 4.4	Total/NA
Beryllium	0.015		0.0020	0.00040	mg/L	1		200.7 Rev 4.4	Total/NA
Cadmium	0.0064		0.0020	0.00050	mg/L	1		200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DUP (Continued)

Lab Sample ID: 480-222377-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	2320		5.0	1.3	mg/L	10		200.7 Rev 4.4	Total/NA
Chromium	0.92		0.0040	0.0024	mg/L	1		200.7 Rev 4.4	Total/NA
Cobalt	0.42		0.0040	0.00060	mg/L	1		200.7 Rev 4.4	Total/NA
Copper	0.66		0.010	0.0045	mg/L	1		200.7 Rev 4.4	Total/NA
Iron	268		0.050	0.026	mg/L	1		200.7 Rev 4.4	Total/NA
Lead	0.54		0.010	0.0039	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	485		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Manganese	11.0		0.0030	0.0010	mg/L	1		200.7 Rev 4.4	Total/NA
Nickel	0.54		0.010	0.0034	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	84.2		0.50	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Silver	0.0074		0.0060	0.0017	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	44.0		1.0	0.38	mg/L	1		200.7 Rev 4.4	Total/NA
Vanadium	0.64		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total/NA
Zinc	2.1		0.010	0.0068	mg/L	1		200.7 Rev 4.4	Total/NA
Mercury	0.0014		0.00060	0.00013	mg/L	1		245.1	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-01

Lab Sample ID: 480-222377-1

Date Collected: 08/06/24 09:03

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 22:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 22:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 22:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 22:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 22:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 22:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 22:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 22:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 22:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 22:40	1
Acetone	ND		10	3.0	ug/L			08/12/24 22:40	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 22:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 22:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 22:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 22:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 22:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 22:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 22:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 22:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 22:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 22:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 22:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 22:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 22:40	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 22:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 22:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 22:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 22:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 22:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 22:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 22:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 22:40	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**

**Date Collected: 08/06/24 09:03**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-1**

**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		08/12/24 22:40	1
Toluene-d8 (Surr)	102		80 - 120		08/12/24 22:40	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/12/24 22:40	1
Dibromofluoromethane (Surr)	96		75 - 123		08/12/24 22:40	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21.6		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:43	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1
Arsenic	0.011	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:43	1
Barium	0.45		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:43	1
Beryllium	0.00095	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:43	1
Calcium	254		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:43	1
Chromium	0.033		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cobalt	0.0095		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:43	1
Copper	0.041		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:43	1
Iron	24.8		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:43	1
Lead	0.023		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:43	1
Magnesium	202		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:43	1
Manganese	0.63		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:43	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:43	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:43	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:43	1
Sodium	418		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:43	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Vanadium	0.034		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:43	1
Zinc	0.13		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:50	1

**Client Sample ID: MW-02**

**Date Collected: 08/07/24 07:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-02

Lab Sample ID: 480-222377-2

Date Collected: 08/07/24 07:30

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:03	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:03	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:03	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:03	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:03	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 23:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:03	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:03	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 23:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		08/12/24 23:03	1
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:03	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/12/24 23:03	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:03	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	34.2		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:45	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1
Arsenic	0.015		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:45	1
Barium	0.32		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:45	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-02

Lab Sample ID: 480-222377-2

Date Collected: 08/07/24 07:30

Matrix: Water

Date Received: 08/07/24 16:13

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.0015	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cadmium	0.00068	J	0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:45	1
Calcium	152		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:45	1
Chromium	0.063		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cobalt	0.019		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:45	1
Copper	0.032		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:45	1
Iron	48.2		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:45	1
Lead	0.026		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:45	1
Magnesium	140		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:45	1
Manganese	0.95		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Nickel	0.048		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:45	1
Potassium	14.7		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:45	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:45	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:45	1
Sodium	41.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:45	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Vanadium	0.064		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:45	1
Zinc	0.15		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 14:51	1

Client Sample ID: MW-03

Lab Sample ID: 480-222377-3

Date Collected: 08/07/24 08:40

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:27	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:27	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:27	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-03

Lab Sample ID: 480-222377-3

Date Collected: 08/07/24 08:40

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:27	1
cis-1,2-Dichloroethene	7.9		1.0	0.81	ug/L			08/12/24 23:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:27	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:27	1
Trichloroethene	0.46	J	1.0	0.46	ug/L			08/12/24 23:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		08/12/24 23:27	1
Toluene-d8 (Surr)	108		80 - 120		08/12/24 23:27	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/12/24 23:27	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:27	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17.4		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:47	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1
Arsenic	0.0082	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:47	1
Barium	0.18		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:47	1
Beryllium	0.00076	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:47	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:47	1
Calcium	108		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:47	1
Chromium	0.026		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:47	1
Cobalt	0.0089		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:47	1
Copper	0.017		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:47	1
Iron	22.6		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:47	1
Lead	0.0088	J	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:47	1
Magnesium	142		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:47	1
Manganese	0.49		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-03**

**Date Collected: 08/07/24 08:40**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-3**

**Matrix: Water**

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:47	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:47	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:47	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:47	1
Sodium	60.5		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:47	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:47	1
Vanadium	0.032		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:47	1
Zinc	0.069		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:53	1

**Client Sample ID: MW-04**

**Date Collected: 08/07/24 12:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-4**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		800	660	ug/L			08/12/24 23:50	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,1,2-Trichloroethane	ND		800	180	ug/L			08/12/24 23:50	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250	ug/L			08/12/24 23:50	800
1,1-Dichloroethane	ND		800	300	ug/L			08/12/24 23:50	800
1,1-Dichloroethene	ND		800	230	ug/L			08/12/24 23:50	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			08/12/24 23:50	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			08/12/24 23:50	800
1,2-Dibromoethane	ND		800	580	ug/L			08/12/24 23:50	800
1,2-Dichlorobenzene	ND		800	630	ug/L			08/12/24 23:50	800
1,2-Dichloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,2-Dichloropropane	ND		800	580	ug/L			08/12/24 23:50	800
1,3-Dichlorobenzene	ND		800	620	ug/L			08/12/24 23:50	800
1,4-Dichlorobenzene	ND		800	670	ug/L			08/12/24 23:50	800
2-Hexanone	ND		4000	990	ug/L			08/12/24 23:50	800
2-Butanone (MEK)	ND		8000	1100	ug/L			08/12/24 23:50	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			08/12/24 23:50	800
Acetone	ND		8000	2400	ug/L			08/12/24 23:50	800
Benzene	ND		800	330	ug/L			08/12/24 23:50	800
Bromodichloromethane	ND		800	310	ug/L			08/12/24 23:50	800
Bromoform	ND		800	210	ug/L			08/12/24 23:50	800
Bromomethane	ND		800	550	ug/L			08/12/24 23:50	800
Carbon disulfide	ND		800	150	ug/L			08/12/24 23:50	800
Carbon tetrachloride	ND		800	220	ug/L			08/12/24 23:50	800
Chlorobenzene	ND		800	600	ug/L			08/12/24 23:50	800
Dibromochloromethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroform	ND		800	270	ug/L			08/12/24 23:50	800
Chloromethane	ND		800	280	ug/L			08/12/24 23:50	800
cis-1,2-Dichloroethene	5000		800	650	ug/L			08/12/24 23:50	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			08/12/24 23:50	800

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-04

Lab Sample ID: 480-222377-4

Date Collected: 08/07/24 12:35

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		800	140	ug/L			08/12/24 23:50	800
Dichlorodifluoromethane	ND		800	540	ug/L			08/12/24 23:50	800
Ethylbenzene	ND		800	590	ug/L			08/12/24 23:50	800
Isopropylbenzene	ND		800	630	ug/L			08/12/24 23:50	800
Methyl acetate	ND		2000	1000	ug/L			08/12/24 23:50	800
Methyl tert-butyl ether	ND		800	130	ug/L			08/12/24 23:50	800
Methylcyclohexane	ND		800	130	ug/L			08/12/24 23:50	800
Methylene Chloride	ND		800	350	ug/L			08/12/24 23:50	800
Styrene	ND		800	580	ug/L			08/12/24 23:50	800
<b>Tetrachloroethene</b>	<b>81000</b>	<b>E</b>	800	290	ug/L			08/12/24 23:50	800
Toluene	ND		800	410	ug/L			08/12/24 23:50	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			08/12/24 23:50	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			08/12/24 23:50	800
<b>Trichloroethene</b>	<b>5200</b>		800	370	ug/L			08/12/24 23:50	800
Trichlorofluoromethane	ND		800	700	ug/L			08/12/24 23:50	800
Vinyl chloride	ND		800	720	ug/L			08/12/24 23:50	800
Xylenes, Total	ND		1600	530	ug/L			08/12/24 23:50	800

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/24 23:50	800
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:50	800
4-Bromofluorobenzene (Surr)	100		73 - 120		08/12/24 23:50	800
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:50	800

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			08/13/24 15:18	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			08/13/24 15:18	2000
1,1-Dichloroethane	ND		2000	760	ug/L			08/13/24 15:18	2000
1,1-Dichloroethene	ND		2000	580	ug/L			08/13/24 15:18	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			08/13/24 15:18	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			08/13/24 15:18	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			08/13/24 15:18	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,2-Dichloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			08/13/24 15:18	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			08/13/24 15:18	2000
2-Hexanone	ND		10000	2500	ug/L			08/13/24 15:18	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			08/13/24 15:18	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			08/13/24 15:18	2000
Acetone	ND		20000	6000	ug/L			08/13/24 15:18	2000
Benzene	ND		2000	820	ug/L			08/13/24 15:18	2000
Bromodichloromethane	ND		2000	780	ug/L			08/13/24 15:18	2000
Bromoform	ND		2000	520	ug/L			08/13/24 15:18	2000
Bromomethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Carbon disulfide	ND		2000	380	ug/L			08/13/24 15:18	2000
Carbon tetrachloride	ND		2000	540	ug/L			08/13/24 15:18	2000

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-04

Lab Sample ID: 480-222377-4

Date Collected: 08/07/24 12:35

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Dibromochloromethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroform	ND		2000	680	ug/L			08/13/24 15:18	2000
Chloromethane	ND		2000	700	ug/L			08/13/24 15:18	2000
cis-1,2-Dichloroethene	4800		2000	1600	ug/L			08/13/24 15:18	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			08/13/24 15:18	2000
Cyclohexane	ND		2000	360	ug/L			08/13/24 15:18	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Ethylbenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Isopropylbenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
Methyl acetate	ND		5000	2600	ug/L			08/13/24 15:18	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylcyclohexane	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylene Chloride	ND		2000	880	ug/L			08/13/24 15:18	2000
Styrene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Tetrachloroethene	67000		2000	720	ug/L			08/13/24 15:18	2000
Toluene	ND		2000	1000	ug/L			08/13/24 15:18	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			08/13/24 15:18	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			08/13/24 15:18	2000
Trichloroethene	4600		2000	920	ug/L			08/13/24 15:18	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			08/13/24 15:18	2000
Vinyl chloride	ND		2000	1800	ug/L			08/13/24 15:18	2000
Xylenes, Total	ND		4000	1300	ug/L			08/13/24 15:18	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		08/13/24 15:18	2000
Toluene-d8 (Surr)	109		80 - 120		08/13/24 15:18	2000
4-Bromofluorobenzene (Surr)	99		73 - 120		08/13/24 15:18	2000
Dibromofluoromethane (Surr)	98		75 - 123		08/13/24 15:18	2000

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7.4		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:54	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1
Arsenic	0.0083	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:54	1
Barium	0.13		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:54	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:54	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:54	1
Calcium	72.9		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:54	1
Chromium	0.014		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:54	1
Cobalt	0.0039	J	0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:54	1
Copper	0.0095	J	0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:54	1
Iron	9.3		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:54	1
Lead	0.0080	J	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:54	1
Magnesium	122		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:54	1
Manganese	0.20		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:54	1
Nickel	0.010		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:54	1
Potassium	5.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:54	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:54	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Sodium</b>	<b>33.9</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:54	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Vanadium</b>	<b>0.014</b>		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Zinc</b>	<b>0.041</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:54	1

**Client Sample ID: MW-05R**

**Lab Sample ID: 480-222377-5**

**Date Collected: 08/07/24 11:30**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:14	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:14	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:14	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:14	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
<b>Chloroform</b>	<b>0.66 J</b>		1.0	0.34	ug/L			08/13/24 00:14	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:14	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-05R

Lab Sample ID: 480-222377-5

Date Collected: 08/07/24 11:30

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:14	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:14	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		08/13/24 00:14	1
Toluene-d8 (Surr)	107		80 - 120		08/13/24 00:14	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/13/24 00:14	1
Dibromofluoromethane (Surr)	100		75 - 123		08/13/24 00:14	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.17	J	0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:56	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:56	1
Barium	0.16		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:56	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:56	1
Calcium	75.1		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:56	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:56	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:56	1
Iron	0.21		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:56	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:56	1
Magnesium	107		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:56	1
Manganese	0.017		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:56	1
Potassium	4.6		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:56	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:56	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:56	1
Sodium	34.7		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:56	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Vanadium	ND		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:56	1
Zinc	0.023		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:55	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-06

Lab Sample ID: 480-222377-6

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:37	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:37	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:37	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:37	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 00:37	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:37	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:37	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:37	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-06**

**Date Collected: 08/07/24 10:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-6**

**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		08/13/24 00:37	1
Toluene-d8 (Surr)	108		80 - 120		08/13/24 00:37	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/13/24 00:37	1
Dibromofluoromethane (Surr)	103		75 - 123		08/13/24 00:37	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	132		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:06	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1
Arsenic	0.044		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:06	1
Barium	0.81		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:06	1
Beryllium	0.0063		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cadmium	0.0029		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:06	1
Calcium	498		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:06	1
Chromium	0.35		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cobalt	0.11		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:06	1
Copper	0.24		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:06	1
Iron	173		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:06	1
Lead	0.14		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:06	1
Magnesium	308		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:06	1
Manganese	4.2		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Nickel	0.22		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:06	1
Potassium	40.3		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:06	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:06	1
Silver	0.0035	J	0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:06	1
Sodium	76.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:06	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Vanadium	0.25		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:06	1
Zinc	0.86		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00038	J	0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:00	1

**Client Sample ID: MW-07**

**Date Collected: 08/07/24 13:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-7**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-07

Lab Sample ID: 480-222377-7

Date Collected: 08/07/24 13:35

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:01	1
Acetone	ND		10	3.0	ug/L			08/13/24 01:01	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:01	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:01	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		08/13/24 01:01	1
Toluene-d8 (Surr)	102		80 - 120		08/13/24 01:01	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:01	1
Dibromofluoromethane (Surr)	95		75 - 123		08/13/24 01:01	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.36		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:08	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:08	1
Barium	0.056		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:08	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: MW-07

Lab Sample ID: 480-222377-7

Date Collected: 08/07/24 13:35

Matrix: Water

Date Received: 08/07/24 16:13

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:08	1
Calcium	63.5		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:08	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:08	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:08	1
Iron	0.42		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:08	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:08	1
Magnesium	163		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:08	1
Manganese	0.012		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:08	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:08	1
Potassium	5.4		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:08	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:08	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:08	1
Sodium	65.6		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:08	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:08	1
Vanadium	0.0019	J	0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:08	1
Zinc	0.038		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 15:04	1

Client Sample ID: DRUM

Lab Sample ID: 480-222377-8

Date Collected: 08/07/24 14:00

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			08/13/24 15:41	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			08/13/24 15:41	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			08/13/24 15:41	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			08/13/24 15:41	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			08/13/24 15:41	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			08/13/24 15:41	2
2-Hexanone	ND		10	2.5	ug/L			08/13/24 15:41	2
2-Butanone (MEK)	ND		20	2.6	ug/L			08/13/24 15:41	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			08/13/24 15:41	2
Acetone	ND		20	6.0	ug/L			08/13/24 15:41	2
Benzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
Bromodichloromethane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
Bromoform	ND		2.0	0.52	ug/L			08/13/24 15:41	2

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DRUM

Lab Sample ID: 480-222377-8

Date Collected: 08/07/24 14:00

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Carbon disulfide	ND		2.0	0.38	ug/L			08/13/24 15:41	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			08/13/24 15:41	2
Chlorobenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Dibromochloromethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroform	ND		2.0	0.68	ug/L			08/13/24 15:41	2
Chloromethane	ND		2.0	0.70	ug/L			08/13/24 15:41	2
cis-1,2-Dichloroethene	89		2.0	1.6	ug/L			08/13/24 15:41	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			08/13/24 15:41	2
Cyclohexane	ND		2.0	0.36	ug/L			08/13/24 15:41	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Isopropylbenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
Methyl acetate	ND		5.0	2.6	ug/L			08/13/24 15:41	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylcyclohexane	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylene Chloride	ND		2.0	0.88	ug/L			08/13/24 15:41	2
Styrene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Tetrachloroethene	3.4		2.0	0.72	ug/L			08/13/24 15:41	2
Toluene	ND		2.0	1.0	ug/L			08/13/24 15:41	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/13/24 15:41	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			08/13/24 15:41	2
Trichloroethene	2.1		2.0	0.92	ug/L			08/13/24 15:41	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Vinyl chloride	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/13/24 15:41	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/13/24 15:41	2
Toluene-d8 (Surr)	104		80 - 120		08/13/24 15:41	2
4-Bromofluorobenzene (Surr)	95		73 - 120		08/13/24 15:41	2
Dibromofluoromethane (Surr)	99		75 - 123		08/13/24 15:41	2

Client Sample ID: DUP

Lab Sample ID: 480-222377-9

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DUP

Lab Sample ID: 480-222377-9

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:47	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:47	1
Acetone	4.0	J	10	3.0	ug/L			08/13/24 01:47	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:47	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:47	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:47	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		08/13/24 01:47	1
Toluene-d8 (Surr)	103		80 - 120		08/13/24 01:47	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:47	1
Dibromofluoromethane (Surr)	97		75 - 123		08/13/24 01:47	1

## Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	338		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:09	1
Antimony	0.010	J	0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1
Arsenic	0.096		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:09	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DUP

Lab Sample ID: 480-222377-9

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

## Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	2.2		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:09	1
Beryllium	0.015		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cadmium	0.0064		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:09	1
Calcium	2320		5.0	1.3	mg/L		08/12/24 09:09	08/13/24 12:34	10
Chromium	0.92		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cobalt	0.42		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:09	1
Copper	0.66		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:09	1
Iron	268		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:09	1
Lead	0.54		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:09	1
Magnesium	485		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:09	1
Manganese	11.0		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Nickel	0.54		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:09	1
Potassium	84.2		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:09	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:09	1
Silver	0.0074		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:09	1
Sodium	44.0		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:09	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Vanadium	0.64		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:09	1
Zinc	2.1		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1

## Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0014		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:06	1

# Surrogate Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

**Matrix: Water**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-222377-1	MW-01	97	102	95	96
480-222377-2	MW-02	101	107	101	101
480-222377-3	MW-03	102	108	102	101
480-222377-4	MW-04	103	107	100	101
480-222377-4 - DL	MW-04	104	109	99	98
480-222377-5	MW-05R	105	107	100	100
480-222377-5 MS	MW-05R	101	101	98	98
480-222377-5 MSD	MW-05R	102	102	95	99
480-222377-6	MW-06	106	108	101	103
480-222377-7	MW-07	98	102	94	95
480-222377-8	DRUM	99	104	95	99
480-222377-9	DUP	100	103	94	97
LCS 480-721476/6	Lab Control Sample	105	110	104	104
LCS 480-721538/6	Lab Control Sample	98	102	98	97
MB 480-721476/8	Method Blank	98	108	102	99
MB 480-721538/8	Method Blank	104	106	104	104

## Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: MB 480-721476/8

Matrix: Water

Analysis Batch: 721476

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 22:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 22:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 22:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 22:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 22:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 22:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 22:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 22:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 22:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 22:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 22:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 22:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 22:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 22:17	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 22:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 22:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 22:17	1
Acetone	ND		10	3.0	ug/L			08/12/24 22:17	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 22:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 22:17	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 22:17	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 22:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 22:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 22:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 22:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 22:17	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 22:17	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 22:17	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 22:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 22:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 22:17	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 22:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 22:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 22:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 22:17	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 22:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 22:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 22:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 22:17	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 22:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 22:17	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 22:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 22:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 22:17	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 22:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 22:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 22:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 22:17	1

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: MB 480-721476/8

Matrix: Water

Analysis Batch: 721476

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		08/12/24 22:17	1
Toluene-d8 (Surr)	108		80 - 120		08/12/24 22:17	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/12/24 22:17	1
Dibromofluoromethane (Surr)	99		75 - 123		08/12/24 22:17	1

Lab Sample ID: LCS 480-721476/6

Matrix: Water

Analysis Batch: 721476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	76 - 120
1,1,2-Trichloroethane	25.0	27.6		ug/L		110	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	25.0	27.8		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.1		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	27.0		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	28.0		ug/L		112	76 - 120
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 120
2-Hexanone	125	129		ug/L		103	65 - 127
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	143		ug/L		115	56 - 142
Benzene	25.0	27.6		ug/L		110	71 - 124
Bromodichloromethane	25.0	26.7		ug/L		107	80 - 122
Bromoform	25.0	25.2		ug/L		101	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	28.4		ug/L		114	59 - 134
Carbon tetrachloride	25.0	28.2		ug/L		113	72 - 134
Chlorobenzene	25.0	27.2		ug/L		109	80 - 120
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	27.9		ug/L		112	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	27.6		ug/L		111	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	27.7		ug/L		111	74 - 124
Cyclohexane	25.0	31.1		ug/L		124	59 - 135
Dichlorodifluoromethane	25.0	24.3		ug/L		97	59 - 135
Ethylbenzene	25.0	28.2		ug/L		113	77 - 123
Isopropylbenzene	25.0	29.3		ug/L		117	77 - 122
Methyl acetate	50.0	53.4		ug/L		107	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	30.7		ug/L		123	68 - 134

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: LCS 480-721476/6

Matrix: Water

Analysis Batch: 721476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	27.7		ug/L		111	75 - 124
Styrene	25.0	27.6		ug/L		110	80 - 120
Tetrachloroethene	25.0	28.4		ug/L		114	74 - 122
Toluene	25.0	28.2		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	27.7		ug/L		111	73 - 127
Trichloroethene	25.0	27.0		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	26.5		ug/L		106	62 - 150
Vinyl chloride	25.0	28.5		ug/L		114	65 - 133
Xylenes, Total	50.0	55.4		ug/L		111	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
Toluene-d8 (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-222377-5 MS

Matrix: Water

Analysis Batch: 721476

Client Sample ID: MW-05R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.5		ug/L		106	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	30.3		ug/L		121	61 - 148
1,1-Dichloroethane	ND		25.0	29.0		ug/L		116	77 - 120
1,1-Dichloroethene	ND		25.0	29.7		ug/L		119	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	28.7		ug/L		115	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	26.0		ug/L		104	56 - 134
1,2-Dibromoethane	ND		25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	ND		25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	ND		25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	ND		25.0	28.2		ug/L		113	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.2		ug/L		109	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.5		ug/L		106	78 - 124
2-Hexanone	ND		125	135		ug/L		108	65 - 127
2-Butanone (MEK)	ND		125	160		ug/L		128	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125
Acetone	ND		125	173		ug/L		138	56 - 142
Benzene	ND		25.0	28.3		ug/L		113	71 - 124
Bromodichloromethane	ND		25.0	26.3		ug/L		105	80 - 122
Bromoform	ND		25.0	23.5		ug/L		94	61 - 132
Bromomethane	ND		25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	ND		25.0	27.9		ug/L		112	59 - 134
Carbon tetrachloride	ND		25.0	29.1		ug/L		116	72 - 134
Chlorobenzene	ND		25.0	27.4		ug/L		110	80 - 120
Dibromochloromethane	ND		25.0	24.2		ug/L		97	75 - 125
Chloroethane	ND		25.0	28.4		ug/L		114	69 - 136

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: 480-222377-5 MS

Matrix: Water

Analysis Batch: 721476

Client Sample ID: MW-05R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	0.66	J	25.0	26.6		ug/L		104	73 - 127
Chloromethane	ND		25.0	28.4		ug/L		114	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.2		ug/L		113	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.8		ug/L		103	74 - 124
Cyclohexane	ND		25.0	33.2		ug/L		133	59 - 135
Dichlorodifluoromethane	ND		25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	ND		25.0	28.4		ug/L		114	77 - 123
Isopropylbenzene	ND		25.0	29.7		ug/L		119	77 - 122
Methyl acetate	ND		50.0	51.2		ug/L		102	74 - 133
Methyl tert-butyl ether	ND		25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	ND		25.0	32.1		ug/L		128	68 - 134
Methylene Chloride	ND		25.0	28.4		ug/L		114	75 - 124
Styrene	ND		25.0	28.6		ug/L		114	80 - 120
Tetrachloroethene	ND		25.0	28.7		ug/L		115	74 - 122
Toluene	ND		25.0	27.5		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.3		ug/L		117	73 - 127
Trichloroethene	ND		25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	ND		25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	ND		25.0	29.3		ug/L		117	65 - 133
Xylenes, Total	ND		50.0	57.1		ug/L		114	76 - 122

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: 480-222377-5 MSD

Matrix: Water

Analysis Batch: 721476

Client Sample ID: MW-05R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	28.1		ug/L		112	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.0		ug/L		104	76 - 120	2	15
1,1,2-Trichloroethane	ND		25.0	26.3		ug/L		105	76 - 122	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	30.3		ug/L		121	61 - 148	0	20
1,1-Dichloroethane	ND		25.0	28.0		ug/L		112	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	29.2		ug/L		117	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	27.2		ug/L		109	79 - 122	5	20
1,2-Dibromo-3-Chloropropane	ND		25.0	25.0		ug/L		100	56 - 134	4	15
1,2-Dibromoethane	ND		25.0	25.7		ug/L		103	77 - 120	0	15
1,2-Dichlorobenzene	ND		25.0	26.3		ug/L		105	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	24.9		ug/L		100	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	27.6		ug/L		110	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	26.5		ug/L		106	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	25.9		ug/L		104	78 - 124	2	20
2-Hexanone	ND		125	134		ug/L		107	65 - 127	1	15
2-Butanone (MEK)	ND		125	152		ug/L		122	57 - 140	5	20

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: 480-222377-5 MSD

Matrix: Water

Analysis Batch: 721476

Client Sample ID: MW-05R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	134		ug/L		108	71 - 125	1	35
Acetone	ND		125	153		ug/L		123	56 - 142	12	15
Benzene	ND		25.0	28.0		ug/L		112	71 - 124	1	13
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122	1	15
Bromoform	ND		25.0	22.3		ug/L		89	61 - 132	5	15
Bromomethane	ND		25.0	23.5		ug/L		94	55 - 144	4	15
Carbon disulfide	ND		25.0	26.8		ug/L		107	59 - 134	4	15
Carbon tetrachloride	ND		25.0	28.4		ug/L		114	72 - 134	2	15
Chlorobenzene	ND		25.0	26.8		ug/L		107	80 - 120	2	25
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125	0	15
Chloroethane	ND		25.0	27.9		ug/L		112	69 - 136	2	15
Chloroform	0.66	J	25.0	26.3		ug/L		102	73 - 127	1	20
Chloromethane	ND		25.0	27.8		ug/L		111	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	26.9		ug/L		107	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	25.8		ug/L		103	74 - 124	0	15
Cyclohexane	ND		25.0	32.5		ug/L		130	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	23.4		ug/L		94	59 - 135	2	20
Ethylbenzene	ND		25.0	28.0		ug/L		112	77 - 123	1	15
Isopropylbenzene	ND		25.0	29.4		ug/L		118	77 - 122	1	20
Methyl acetate	ND		50.0	48.4		ug/L		97	74 - 133	6	20
Methyl tert-butyl ether	ND		25.0	25.3		ug/L		101	77 - 120	2	37
Methylcyclohexane	ND		25.0	32.8		ug/L		131	68 - 134	2	20
Methylene Chloride	ND		25.0	28.0		ug/L		112	75 - 124	1	15
Styrene	ND		25.0	27.4		ug/L		110	80 - 120	4	20
Tetrachloroethene	ND		25.0	28.0		ug/L		112	74 - 122	2	20
Toluene	ND		25.0	27.4		ug/L		110	80 - 122	0	15
trans-1,2-Dichloroethene	ND		25.0	28.6		ug/L		114	73 - 127	2	20
Trichloroethene	ND		25.0	27.8		ug/L		111	74 - 123	0	16
Trichlorofluoromethane	ND		25.0	26.9		ug/L		108	62 - 150	0	20
Vinyl chloride	ND		25.0	27.9		ug/L		112	65 - 133	5	15
Xylenes, Total	ND		50.0	55.3		ug/L		111	76 - 122	3	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-721538/8

Matrix: Water

Analysis Batch: 721538

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 11:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 11:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 11:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 11:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 11:55	1

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: MB 480-721538/8

Matrix: Water

Analysis Batch: 721538

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 11:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 11:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 11:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 11:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 11:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 11:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 11:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 11:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 11:55	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 11:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 11:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 11:55	1
Acetone	ND		10	3.0	ug/L			08/13/24 11:55	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 11:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 11:55	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 11:55	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 11:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 11:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 11:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 11:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 11:55	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 11:55	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 11:55	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 11:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 11:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 11:55	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 11:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 11:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 11:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 11:55	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 11:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 11:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 11:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 11:55	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 11:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 11:55	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 11:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 11:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 11:55	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 11:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 11:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 11:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		08/13/24 11:55	1
Toluene-d8 (Surr)	106		80 - 120		08/13/24 11:55	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/13/24 11:55	1

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: MB 480-721538/8

Matrix: Water

Analysis Batch: 721538

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		75 - 123		08/13/24 11:55	1

Lab Sample ID: LCS 480-721538/6

Matrix: Water

Analysis Batch: 721538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.4		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	76 - 120
1,1,2-Trichloroethane	25.0	23.7		ug/L		95	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		86	61 - 148
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	23.1		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	22.2		ug/L		89	75 - 120
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Hexanone	125	119		ug/L		96	65 - 127
2-Butanone (MEK)	125	138		ug/L		110	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		94	80 - 122
Bromoform	25.0	21.9		ug/L		88	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	23.7		ug/L		95	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Chloroethane	25.0	23.0		ug/L		92	69 - 136
Chloroform	25.0	22.0		ug/L		88	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		100	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	16.2		ug/L		65	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	25.0	25.1		ug/L		100	77 - 122
Methyl acetate	50.0	46.0		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	22.8		ug/L		91	77 - 120
Methylcyclohexane	25.0	23.8		ug/L		95	68 - 134
Methylene Chloride	25.0	24.1		ug/L		97	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.4		ug/L		97	74 - 122

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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

Lab Sample ID: LCS 480-721538/6

Matrix: Water

Analysis Batch: 721538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	20.8		ug/L		83	62 - 150
Vinyl chloride	25.0	22.8		ug/L		91	65 - 133
Xylenes, Total	50.0	48.8		ug/L		98	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-721282/1-A

Matrix: Water

Analysis Batch: 721539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 721282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:39	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:39	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:39	1
Barium	ND		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:39	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:39	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:39	1
Calcium	ND		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:39	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:39	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:39	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:39	1
Iron	ND		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:39	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:39	1
Magnesium	ND		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:39	1
Manganese	ND		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:39	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:39	1
Potassium	ND		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:39	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:39	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:39	1
Sodium	ND		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:39	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:39	1
Vanadium	ND		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:39	1
Zinc	ND		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:39	1

Lab Sample ID: LCS 480-721282/2-A

Matrix: Water

Analysis Batch: 721539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 721282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.10	4.79		mg/L		94	85 - 115

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

## Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-721282/2-A

Matrix: Water

Analysis Batch: 721539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 721282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.475		mg/L		95	85 - 115
Arsenic	1.00	0.938		mg/L		94	85 - 115
Barium	1.00	0.984		mg/L		98	85 - 115
Beryllium	0.500	0.504		mg/L		101	85 - 115
Cadmium	0.500	0.491		mg/L		98	85 - 115
Calcium	25.0	24.59		mg/L		98	85 - 115
Chromium	0.500	0.505		mg/L		101	85 - 115
Cobalt	0.500	0.482		mg/L		96	85 - 115
Copper	0.500	0.484		mg/L		97	85 - 115
Iron	5.10	5.31		mg/L		104	85 - 115
Lead	0.500	0.471		mg/L		94	85 - 115
Magnesium	25.0	23.69		mg/L		95	85 - 115
Manganese	0.500	0.484		mg/L		97	85 - 115
Nickel	0.500	0.509		mg/L		102	85 - 115
Potassium	25.0	24.36		mg/L		97	85 - 115
Selenium	1.00	0.938		mg/L		94	85 - 115
Silver	0.0500	0.0494		mg/L		99	85 - 115
Sodium	25.0	24.45		mg/L		98	85 - 115
Thallium	1.00	0.923		mg/L		92	85 - 115
Vanadium	0.500	0.495		mg/L		99	85 - 115
Zinc	0.500	0.551		mg/L		110	85 - 115

Lab Sample ID: 480-222377-5 MS

Matrix: Water

Analysis Batch: 721539

Client Sample ID: MW-05R

Prep Type: Total/NA

Prep Batch: 721282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.17	J	5.10	5.38		mg/L		102	70 - 130
Antimony	ND		0.500	0.504		mg/L		101	70 - 130
Arsenic	ND		1.00	0.986		mg/L		99	70 - 130
Barium	0.16		1.00	1.20		mg/L		103	70 - 130
Beryllium	ND		0.500	0.520		mg/L		104	70 - 130
Cadmium	ND		0.500	0.516		mg/L		103	70 - 130
Calcium	75.1		25.0	101.2		mg/L		104	70 - 130
Chromium	ND		0.500	0.511		mg/L		102	70 - 130
Cobalt	ND		0.500	0.494		mg/L		99	70 - 130
Copper	ND		0.500	0.519		mg/L		104	70 - 130
Iron	0.21		5.10	5.76		mg/L		109	70 - 130
Lead	ND		0.500	0.490		mg/L		98	70 - 130
Magnesium	107		25.0	135.2	4	mg/L		115	70 - 130
Manganese	0.017		0.500	0.512		mg/L		99	70 - 130
Nickel	ND		0.500	0.509		mg/L		102	70 - 130
Potassium	4.6		25.0	30.78		mg/L		105	70 - 130
Selenium	ND		1.00	0.987		mg/L		99	70 - 130
Silver	ND		0.0500	0.0522		mg/L		104	70 - 130
Sodium	34.7		25.0	61.57		mg/L		108	70 - 130
Thallium	ND		1.00	0.972		mg/L		97	70 - 130
Vanadium	ND		0.500	0.511		mg/L		102	70 - 130
Zinc	0.023		0.500	0.572		mg/L		110	70 - 130

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# QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

## Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 480-222377-5 MSD

Matrix: Water

Analysis Batch: 721539

Client Sample ID: MW-05R

Prep Type: Total/NA

Prep Batch: 721282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.17	J	5.10	5.33		mg/L		101	70 - 130	1	20
Antimony	ND		0.500	0.494		mg/L		99	70 - 130	2	20
Arsenic	ND		1.00	0.970		mg/L		97	70 - 130	2	20
Barium	0.16		1.00	1.18		mg/L		101	70 - 130	2	20
Beryllium	ND		0.500	0.512		mg/L		102	70 - 130	1	20
Cadmium	ND		0.500	0.509		mg/L		102	70 - 130	1	20
Calcium	75.1		25.0	101.3		mg/L		105	70 - 130	0	20
Chromium	ND		0.500	0.504		mg/L		101	70 - 130	1	20
Cobalt	ND		0.500	0.489		mg/L		98	70 - 130	1	20
Copper	ND		0.500	0.512		mg/L		102	70 - 130	1	20
Iron	0.21		5.10	5.68		mg/L		107	70 - 130	1	20
Lead	ND		0.500	0.484		mg/L		97	70 - 130	1	20
Magnesium	107		25.0	135.2	4	mg/L		115	70 - 130	0	20
Manganese	0.017		0.500	0.505		mg/L		98	70 - 130	1	20
Nickel	ND		0.500	0.503		mg/L		101	70 - 130	1	20
Potassium	4.6		25.0	30.39		mg/L		103	70 - 130	1	20
Selenium	ND		1.00	0.972		mg/L		97	70 - 130	2	20
Silver	ND		0.0500	0.0518		mg/L		104	70 - 130	1	20
Sodium	34.7		25.0	61.11		mg/L		106	70 - 130	1	20
Thallium	ND		1.00	0.955		mg/L		95	70 - 130	2	20
Vanadium	ND		0.500	0.504		mg/L		101	70 - 130	1	20
Zinc	0.023		0.500	0.569		mg/L		109	70 - 130	1	20

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-721391/1-A

Matrix: Water

Analysis Batch: 721512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 721391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:33	1

Lab Sample ID: LCS 480-721391/2-A

Matrix: Water

Analysis Batch: 721512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 721391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00711		mg/L		106	85 - 115

Lab Sample ID: 480-222377-5 MS

Matrix: Water

Analysis Batch: 721512

Client Sample ID: MW-05R

Prep Type: Total/NA

Prep Batch: 721391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00669	0.00709		mg/L		106	70 - 130

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## QC Sample Results

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

### Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 480-222377-5 MSD

Matrix: Water

Analysis Batch: 721512

Client Sample ID: MW-05R

Prep Type: Total/NA

Prep Batch: 721391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00669	0.00709		mg/L		106	70 - 130	0	20

# QC Association Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

## GC/MS VOA

### Analysis Batch: 721476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-1	MW-01	Total/NA	Water	8260C	
480-222377-2	MW-02	Total/NA	Water	8260C	
480-222377-3	MW-03	Total/NA	Water	8260C	
480-222377-4	MW-04	Total/NA	Water	8260C	
480-222377-5	MW-05R	Total/NA	Water	8260C	
480-222377-6	MW-06	Total/NA	Water	8260C	
480-222377-7	MW-07	Total/NA	Water	8260C	
480-222377-9	DUP	Total/NA	Water	8260C	
MB 480-721476/8	Method Blank	Total/NA	Water	8260C	
LCS 480-721476/6	Lab Control Sample	Total/NA	Water	8260C	
480-222377-5 MS	MW-05R	Total/NA	Water	8260C	
480-222377-5 MSD	MW-05R	Total/NA	Water	8260C	

### Analysis Batch: 721538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-4 - DL	MW-04	Total/NA	Water	8260C	
480-222377-8	DRUM	Total/NA	Water	8260C	
MB 480-721538/8	Method Blank	Total/NA	Water	8260C	
LCS 480-721538/6	Lab Control Sample	Total/NA	Water	8260C	

## Metals

### Prep Batch: 721282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-1	MW-01	Total/NA	Water	200.7	
480-222377-2	MW-02	Total/NA	Water	200.7	
480-222377-3	MW-03	Total/NA	Water	200.7	
480-222377-4	MW-04	Total/NA	Water	200.7	
480-222377-5	MW-05R	Total/NA	Water	200.7	
480-222377-6	MW-06	Total/NA	Water	200.7	
480-222377-7	MW-07	Total/NA	Water	200.7	
480-222377-9	DUP	Total/NA	Water	200.7	
MB 480-721282/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-721282/2-A	Lab Control Sample	Total/NA	Water	200.7	
480-222377-5 MS	MW-05R	Total/NA	Water	200.7	
480-222377-5 MSD	MW-05R	Total/NA	Water	200.7	

### Prep Batch: 721391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-1	MW-01	Total/NA	Water	245.1	
480-222377-2	MW-02	Total/NA	Water	245.1	
480-222377-3	MW-03	Total/NA	Water	245.1	
480-222377-4	MW-04	Total/NA	Water	245.1	
480-222377-5	MW-05R	Total/NA	Water	245.1	
480-222377-6	MW-06	Total/NA	Water	245.1	
480-222377-7	MW-07	Total/NA	Water	245.1	
480-222377-9	DUP	Total/NA	Water	245.1	
MB 480-721391/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-721391/2-A	Lab Control Sample	Total/NA	Water	245.1	
480-222377-5 MS	MW-05R	Total/NA	Water	245.1	
480-222377-5 MSD	MW-05R	Total/NA	Water	245.1	

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# QC Association Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

## Metals

### Analysis Batch: 721512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-1	MW-01	Total/NA	Water	245.1	721391
480-222377-2	MW-02	Total/NA	Water	245.1	721391
480-222377-3	MW-03	Total/NA	Water	245.1	721391
480-222377-4	MW-04	Total/NA	Water	245.1	721391
480-222377-5	MW-05R	Total/NA	Water	245.1	721391
480-222377-6	MW-06	Total/NA	Water	245.1	721391
480-222377-7	MW-07	Total/NA	Water	245.1	721391
480-222377-9	DUP	Total/NA	Water	245.1	721391
MB 480-721391/1-A	Method Blank	Total/NA	Water	245.1	721391
LCS 480-721391/2-A	Lab Control Sample	Total/NA	Water	245.1	721391
480-222377-5 MS	MW-05R	Total/NA	Water	245.1	721391
480-222377-5 MSD	MW-05R	Total/NA	Water	245.1	721391

### Analysis Batch: 721539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-1	MW-01	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-2	MW-02	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-3	MW-03	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-4	MW-04	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-5	MW-05R	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-6	MW-06	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-7	MW-07	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-9	DUP	Total/NA	Water	200.7 Rev 4.4	721282
MB 480-721282/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	721282
LCS 480-721282/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-5 MS	MW-05R	Total/NA	Water	200.7 Rev 4.4	721282
480-222377-5 MSD	MW-05R	Total/NA	Water	200.7 Rev 4.4	721282

### Analysis Batch: 721614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222377-9	DUP	Total/NA	Water	200.7 Rev 4.4	721282

# Lab Chronicle

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**

**Date Collected: 08/06/24 09:03**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/12/24 22:40
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 15:43
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 14:50

**Client Sample ID: MW-02**

**Date Collected: 08/07/24 07:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/12/24 23:03
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 15:45
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 14:51

**Client Sample ID: MW-03**

**Date Collected: 08/07/24 08:40**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/12/24 23:27
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 15:47
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 14:53

**Client Sample ID: MW-04**

**Date Collected: 08/07/24 12:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		800	721476	ZN	EET BUF	08/12/24 23:50
Total/NA	Analysis	8260C	DL	2000	721538	ZN	EET BUF	08/13/24 15:18
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 15:54
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 14:54

# Lab Chronicle

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-05R**

**Date Collected: 08/07/24 11:30**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/13/24 00:14
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 15:56
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 14:55

**Client Sample ID: MW-06**

**Date Collected: 08/07/24 10:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/13/24 00:37
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 16:06
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 15:00

**Client Sample ID: MW-07**

**Date Collected: 08/07/24 13:35**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/13/24 01:01
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 16:08
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 15:04

**Client Sample ID: DRUM**

**Date Collected: 08/07/24 14:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	721538	ZN	EET BUF	08/13/24 15:41

**Client Sample ID: DUP**

**Date Collected: 08/07/24 10:00**

**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-9**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	721476	ZN	EET BUF	08/13/24 01:47
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		1	721539	NZG	EET BUF	08/12/24 16:09
Total/NA	Prep	200.7			721282	EMO	EET BUF	08/12/24 09:09
Total/NA	Analysis	200.7 Rev 4.4		10	721614	NZG	EET BUF	08/13/24 12:34

Eurofins Buffalo

# Lab Chronicle

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Client Sample ID: DUP  
Date Collected: 08/07/24 10:00  
Date Received: 08/07/24 16:13

Lab Sample ID: 480-222377-9  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			721391	ESB	EET BUF	08/12/24 11:18
Total/NA	Analysis	245.1		1	721512	ESB	EET BUF	08/12/24 15:06

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  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

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
245.1	245.1	Water	Mercury



## Method Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
200.7 Rev 4.4	Metals (ICP)	EPA	EET BUF
245.1	Mercury (CVAA)	EPA	EET BUF
200.7	Preparation, Total Metals	EPA	EET BUF
245.1	Preparation, Mercury	EPA	EET BUF
5030C	Purge and Trap	SW846	EET BUF

### Protocol References:

EPA = US Environmental Protection Agency

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

### Laboratory References:

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

## Sample Summary

Client: Groundwater & Environmental Services Inc  
Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-222377-1	MW-01	Water	08/06/24 09:03	08/07/24 16:13
480-222377-2	MW-02	Water	08/07/24 07:30	08/07/24 16:13
480-222377-3	MW-03	Water	08/07/24 08:40	08/07/24 16:13
480-222377-4	MW-04	Water	08/07/24 12:35	08/07/24 16:13
480-222377-5	MW-05R	Water	08/07/24 11:30	08/07/24 16:13
480-222377-6	MW-06	Water	08/07/24 10:00	08/07/24 16:13
480-222377-7	MW-07	Water	08/07/24 13:35	08/07/24 16:13
480-222377-8	DRUM	Water	08/07/24 14:00	08/07/24 16:13
480-222377-9	DUP	Water	08/07/24 10:00	08/07/24 16:13





CHAIN OF CUSTODY

Client: New York State Dept. of Environm

FED-EX Tracking #

PAGE OF

8/16/2024

CLIENT/REPORTING INFORMATION			PROJECT INFORMATION					BILLING INFORMATION										REQUESTED ANALYSIS					LAB USE ONLY	
Groundwater & Environmental Services, Inc. 6010 North Bailey Avenue, Amherst, NY 14226 Project Manager: Thomas Palmer TPalmer@gesonline.com GESInbox@gesonline.com			Project Name: NYSDEC Tonawanda Highland Pkwy215 Project Address: 215 Highland Parkway, Tonawanda, NY Project PSID #: 1038449					Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions (Project #/ Phase / Task / Altorg) 0924016///1109																
Sampler(s) Name: Jessica Paterson			Sampler(s) Name:					number of preserved bottles																
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	8260C - TCL VOC	200.7 - TAL Metals ICP	245.1 - Mercury	MS/MSD				
	MW-01		8/6/24	0903	JP	WG	4	3		1							X	X	X					
	MW-02		8/7/24	0730	JP	WG	4	3		1							X	X	X					
	MW-03		8/7	0840	JP	WG	4	3		1							X	X	X					
	MW-04		8/7	1235	JP	WG	4	3		1							X	X	X					
	MW-05R		8/7	1130	JP	WG	4	3		1							X	X	X					
	MW-06		8/7	1000	JP	WG	4	3		1							X	X	X					
	MW-07		8/7	1335	JP	WG	4	3		1							X	X	X	X				
	Drum		8/7	1400	JP	water	3	3									X	X	X					
	DUP		8/7	1000	JP	WG	4	3		0							X	X	X					
																	X	X	X					

Turnaround Time (Business Days)

Lab PM Approval / Date

Laboratory Information

Lab: Eurofins Environment Testing US - Buffalo

Address: 10 Hazelwood Drive Amherst, New York 14228

Phone: 716-504-9874 - John Beninati

Lab PM: John Beninati

Lab PM Email: John.Beninati@et.eurofinsus.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ NJ Data of Known Quality Protocol Reporting
- ☐ NYASP Category A
- ☒ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC Tonawanda Highland Pkwy215\_LabReport#.28739.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 Jess Paterson - GES	1 8/7/24 1613	1	
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	<input type="checkbox"/> Preserved where applicable <input type="checkbox"/> On Ice	Cooler Temp

## Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-222377-1

Login Number: 222377

List Number: 1

Creator: Wallace, Cameron

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.	True	
Chlorine Residual checked.	N/A	