PERIODIC REVIEW REPORT
MARCH 12, 2021 TO MARCH 12, 2022

4566 BROADWAY AVENUE (NAGLE)
4566 BROADWAY
NEW YORK, NEW YORK 10040
BCP ID NO.: C231054

PREPARED FOR:
4566 BROADWAY, LLC
275 MADISON AVENUE, 37TH FLOOR
NEW YORK, NY 11211

JCB PROJECT #: 22-51414
APRIL 2022

J.C. BRODERICK & ASSOCIATES, INC.
Environmental Consulting & Testing

1775 Expressway Drive North
Hauppauge, New York 11788
631-584-5492 Fax: 631-584-3395

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1.0 Executive Summary

This Periodic Review Report (PRR) has been prepared by J.C. Broderick & Associates, Inc. (JCB), in consultation with the Project Engineer, Malcolm I. Barkan, P.E., on behalf of 4566 Broadway, LLC, for the commercial property located at 4566 Broadway, New York, New York 10040 (Figure 1, Appendix A, the "Site"), subsequently named "4566 Broadway Avenue". The Site was accepted into the NYSDEC BCP through a Brownfield Cleanup Agreement (BCA) executed on September 8, 2006 (NYSDEC BCP Number: C231054). This interim report has been prepared to provide groundwater quality data and to summarize the inspections and performances of the current Institutional Controls (ICs) and Engineering Controls (ECs) in use at the Site and document the overall progress of the current remedial activities.

The Site is located at 4566 Broadway New York, New York 10040. The Site is located on the northeast portion of the intersection formed between Broadway and Nagle Avenue. The Site consists of a 0.36-acre triangular parcel, which operated as a gasoline service station and an automotive repair shop for several decades and is currently used a parking lot, containing a one-story brick building used for storage and small parking attendant's office. Remedial Investigations identified volatile organic compounds and chlorinated solvent contamination in the groundwater, soil, and soil vapor phase.

The site is scheduled for redevelopment beginning in June 2022 into a multi-story residential building encompassing the entire lot with a first-floor parking garage, storage, and entrance lobby, with no first-floor occupied spaces or landscaped areas. A small cellar is planned for building utilities and mechanical equipment. In addition, the building will be serviced with municipal potable water provided by New York City; therefore, the scheduled redevelopment is consistent with the current Institutional Controls.

The ICs and ECs at the Site are in compliance with the Site Management Plan (SMP). The ICs and ECs applied at the site are in place and unchanged from the previous PRR certification. Nothing has occurred that would impair the ability of such controls to protect the public health and the environment or constitute a violation or failure to comply with any element of the SMP for such controls. Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy.

The Soil Vapor Extraction ("SVE") system has been in operation since June 16, 2014. The SVE system has reached an asymptotic condition as only 0.24 pounds of PCE was removed between April 2021 and January 2022 and the removal of 2.16 pounds of total VOCs during the same reporting period.

Results of vapor point sampling and testing are consistent with the remedial objectives. In the most recent round of vapor point sampling and testing, no DCE or VC were detected in any vapor samples. PCE vapors have been reduced dramatically since the January 2008 sampling and testing with VP-9 from 147,000 µg/m^3 to 0.16 µg/m^3. Similarly, benzene and other petroleum-based compounds have been reduced from 19,400 µg/m^3 in VP-4 to below minimum detection limit.

Results of groundwater sampling and testing are consistent with the remedial objectives. In the most recent round of groundwater sampling and testing, the only on-site wells with groundwater contaminants exceeding groundwater quality standards were ASR-4 (Benzene at 1.4 µg/l), ASR-6 (Benzene at 3.2 µg/l), and ASR-18 (Benzene at 3.0 µg/l). PCE and VC was detected exceeding the groundwater quality standards in only one well MW-23 at 6.0 µg/l and 7.0 µg/l respectively. This is a reduction from pre-remedial concentrations of 270 µg/l of Benzene, 53 µg/l of DCE and 44 µg/l of VC.

Based on the results of sampling and testing, a clear and sustained reduction in the concentrations of chlorinated solvents and benzene, concluding that a bulk reduction in groundwater and soil vapor contamination has been achieved as demonstrated by the continuous downward trends in both the groundwater and soil vapor contaminants to asymptomatic levels. It is JCB's opinion that the Remedial Action Objectives – restoring the groundwater aquifer, to the extent practicable, to pre-disposal/pre-

release conditions and/or to a level commensurate with Site use, where groundwater use is restricted have been met.

JCB has concluded that continued operation of the engineering controls is technically impracticable and are no longer necessary for the protection of public health and the environment and requests the Department approve the termination of the current engineering controls.

2.0 Site Overview

2.1 Site Location and Description

The Site is located at 4566 Broadway New York, New York 10040. The Site is located on the northeast portion of the intersection formed between Broadway and Nagle Avenue. According to the United States Geological Survey (USGS) *Central Park, New York, 1995* 7.5 Minute Series Topographical Map, the Site is situated at an approximate elevation of 31 feet (ft) above mean sea level. The Site is designated as Block 2172, Lot 1 on the Tax Map of the City of New York. The location of the Site is shown on the Site Location Map, Appendix-A Figure-1.

The Site consists of a 0.36-acre triangular parcel, which operated as a gasoline service station and an automotive repair shop for several decades and is currently used a parking lot, containing a one-story brick building used for storage and small parking attendant's office (Figure 2, Appendix A). The surrounding area is characterized by a mix of commercial businesses (mostly retail), as well as residential properties. To the north of the Site is a residential building, with a retail hardware store on the first floor. To the east of the Site is an open space and outdoor recreation area for IS 218. Across Nagle Avenue, to the southeast of the Site are multi-story residential buildings, which contain retail businesses at street level. To the south of the Site, on the corner of Broadway and Hillside Avenues is a United States Post Office. To the southwest of the Site is an automobile repair facility, beyond which is a multi-story residential building. To the west of the Site, across Broadway, is Fort Tryon Park.

The site is scheduled for redevelopment beginning in June 2022 into a multi-story residential building encompassing the entire lot with a first-floor parking garage, storage, and entrance lobby, with no first-floor residential spaces or landscaped areas. A small cellar is planned for building utilities and mechanical equipment. The February 2013 BCP Decision Document requires that a vapor barrier and sub-slab depressurization system (SSDS) be included in any redeveloped. The NYSDEC and NYSDOH have approved these Engineering Controls to be installed in the areas of the partially occupied first floor spaces and not the areas associated with the parking garage. In addition, the building will be serviced with municipal potable water provided by New York City; therefore, the scheduled redevelopment is consistent with the current Institutional Controls.

2.2 Remedial Program

Excavation

PCE contaminated soil was excavated to pre-defined limits from an area southwest of SB-8 and northwest of ASR-16 and to a depth of five (5) feet below surface grade (bsg). The depth and lateral limits of the excavation were based on the limitations imposed by the on-site building foundation to the northwest, the sidewalk to the south, the retaining wall to the east and the neighboring property to the northeast. The soil excavation removed soil above the Restricted Residential Soil Cleanup Objective (RRSCO); however, physical constraints did not allow excavation of all the soil above the RRSCO for PCE. From January 2014 through March 2014, approximately 20 cubic yards (26.85 tons) of contaminated soil were removed by excavation and transported to Solution Soil Treatment Facility located at 8365 Broadway Nord, Montreal Quebec H1B 5X7, by Goulet Trucking Inc. a certified waste hauler.

Soil Vapor Extraction System

A total of eight (8) Soil Vapor Extraction (SVE) points were installed utilizing a Geoprobe® equipped with 6.25-inch diameter hollow stem augers at various locations throughout the Site. The SVE points are constructed of five (5) feet of 4-inch diameter schedule 40 PVC, 0.020-inch slot, continuous-

wrapped screen and solid riser to grade. Each SVE point was installed to approximately one (1) foot above the water table as measured by the closest groundwater monitoring well at the time of installation. Additionally, five (5) feet of horizontal screen was installed within the excavation area as part of SVE system Leg-2 South to compensate for the shallow groundwater table. The SVE system was installed with permanent vapor extraction points and sub-grade piping, leading to the equipment room. The SVE equipment is located within the single-story building. The As-Built drawings, start-up, and initial performance data for the SVE system are provided in the NYSDEC approved Final Engineering Report (FER) along with other documentation related to the system construction. The operation of the SVE system will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

Soil Cover System

Exposure to remaining contamination in soil/fill at the site is prevented by a Soil Cover system currently present over the site. This Soil Cover system is comprised of a minimum of 12-inches of clean soil, asphalt pavement, concrete-covered sidewalks, and concrete building slabs. An Excavation Work Plan (EWP), which outlines the procedures required in the event the Soil Cover system and/or underlying residual contamination are disturbed, is provided in Appendix A of the SMP.

3.0 IC/EC Plan Compliance Report

Since remaining contaminated soil, groundwater and soil vapor exists beneath the site, Institutional Controls (ICs) and Engineering Controls (ECs) were put in place to protect human health and the environment.

3.1 IC/EC Requirements and Compliance

The IC/ECs at the Site are in compliance:

- The ICs and ECs applied at the site are in place and unchanged from the previous certification in the FER;
- Nothing has occurred that would impair the ability of such controls to protect the public health and the environment, or constitute a violation or failure to comply with any element of the SMP for such controls, and;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of such controls.

3.2 Institutional Controls

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain, and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to restricted residential, commercial, mixed-use, or industrial uses only.

The environmental easement for the site was executed by the Department on October 29, 2014 and filed with the New York County Clerk on November 21, 2014. The County Recording Identifier number for this filing is 2014000387206. A copy of the easement and proof of filing is provided in the FER.

All Institutional Controls employed at this site are unchanged since the date that the ICs were put in place, specifically:

- The required Engineering Controls (ECs) have been implemented, maintained, and monitored;
- No disturbances of the subsurface contamination have occurred that would allow for exposure to contamination, and;
- Site use remains restricted to residential, commercial, mixed-use, or industrial uses only. No redevelopment has occurred. The Site is currently a parking lot as it was prior to this reporting period.

No changes to the Institutional Controls are recommended.

3.3 Engineering Controls

Exposure to remaining contamination in soil/fill is prevented by a Soil Cover system currently present over the site. This Soil Cover system is comprised of a minimum of 12-inches of clean soil, asphalt pavement, concrete-covered sidewalks, and concrete building slabs.

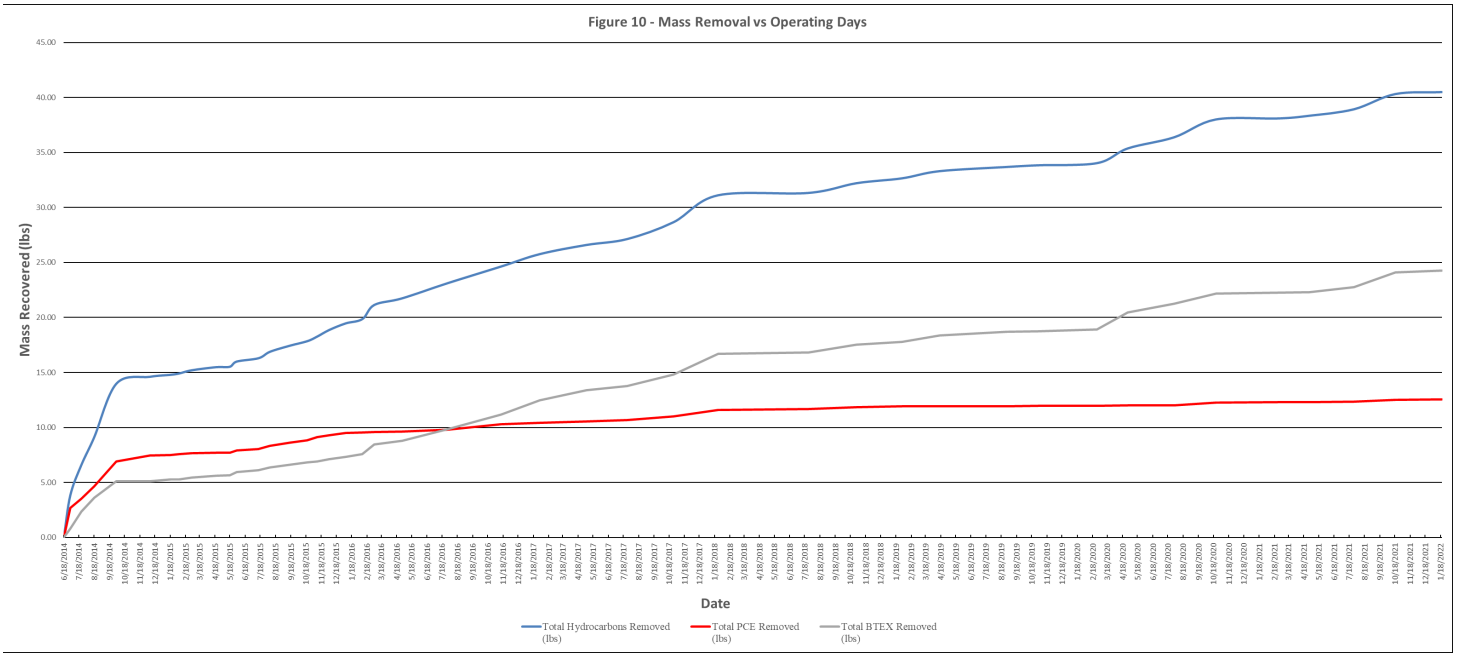
On January 21, 2022, an Annual Site Wide Inspection was performed by Jeffery Nannini (See Appendix B.) No deformities or holes that could compromise the cover system were observed during the Annual Site Wide Inspection.

In addition, the Site has a Soil Vapor Extraction (SVE) system to reduce remaining soil contaminants and, in turn, groundwater contaminants. The SVE system has been in operation since June 16, 2014. Details of the SVE system were provided in the NYSDEC approved FER. The operation of the SVE system will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

The extent of influence of the SVE system was checked during the Annual Site Wide Inspection on January 21, 2022. The influence was measured as before using differential pressure gauges at the vapor monitoring points. Equivalent suction pressures were measured at the vapor points as were measured initially in October 2014 near the start of the SVE system.

The system has operated nearly 66,700 hours (over 2,700 days) since inception. This represents approximately 99 percent of the available hours.

A total of 40.48 pounds of targeted volatile organics have been removed as of January 21, 2022. Of these materials, over 12.5 pounds of PCE and just over 24 pounds of BTEX have been removed. The PCE recovery has reached an asymptotic condition as only 0.24 pounds of PCE was removed over the reporting period and the recovery of BTEX has decreased to 1.9 pounds removed during the same reporting period.



All Engineering Controls employed at this Site are unchanged since the date that the Engineering Controls were put in place.

JCB has concluded that continued operation of the engineering controls is technically impracticable and are no longer necessary for the protection of public health and the environment and request the Department to terminate the current engineering controls.

3.4 IC/EC Certification

The completed Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form is attached in Appendix D.

4.0 Monitoring Plan Compliance Report

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site, the Soil Cover system, and all affected site media.

4.1 Components of the Monitoring Plan

The components of the Monitoring Plan Include:

Monitoring Program	Frequency	Matrix	Analysis
Cover System	Annual	Ground Surface	Visual
On-Site Monitoring Well Network	Quarterly	Groundwater	EPA 8260 TAL Metals
On and Off-Site Soil Vapor Points	Annual	Soil Vapor	TO-15
SVE	Quarterly	SVE Influent & Discharge	TO-15; Flow
SVE Equipment	Quarterly	Equipment	Visual; Pressure; Flow; Run time; Water in Knock-out Tank
SVE Extraction Wells & Lines	Monthly	Individual Well Line	Pressure; Flow; Periodic PID reading
SVE Piezometers	Twice during start up; as needed thereafter	Pressure piezometers	Pressure (zone of influence)

Soil Cover System Monitoring

Exposure to any remaining contamination in soil/fill at the site is prevented by a Soil Cover system placed over the site. The appropriate cover system consists of either structures such as buildings, pavement, and sidewalks comprising the site development or a soil cover in areas where the upper two (2) feet of exposed surface will exceed the applicable soil cleanup objectives (SCOs). The paved parking lot area consists of approximately 13,000 square feet of 1-inch-thick asphalt binder course and a 2-inch-thick asphalt top course. Approximately 275 square feet of an 8-inch-thick concrete building slab is located on the east side of the site. In addition, an approximate 2,350 square foot, 6-inch-thick concrete slab is located on the west side of the site and approximately 130 square feet of 4-inch thick concrete sidewalk is located surrounding the existing building.

The asphalt/concrete cover system currently associated with the site are inspected annually. This inspection is to identify deformities such as cracks, or holes which may compromise the cover system.

On January 21, 2022, an Annual Site Inspection was performed by Jeffrey Nannini. No deformities or holes that could compromise the cover system were observed during the Annual Site Inspection see Appendix B.

On-Site Monitoring Well Network

The monitoring well network was gauged on a quarterly schedule starting in January 2015. During the gauging events, each monitoring well was gauged for depth to groundwater and for the presence of light non-aqueous phase liquid (LNAPL) utilizing a Solinst® Model 122 Product/Water Interface Meter capable of measuring to the nearest 0.01 foot. The depth to groundwater measurements were converted to groundwater elevations utilizing survey data collected from the

top of each well casing. Subsequent to the gauging, the monitoring well network was sampled. Prior to sampling, the volume of water within each monitoring well was calculated using the well diameter and water column height. Each well was then purged utilizing a Masterflex E/S Portable Peristaltic Sampler to transfer water up the well and through the flow-through chamber of an YSI 556 Multi-Probe handheld groundwater chemistry meter. Groundwater chemistry was monitored and recorded every five (5) minutes until the groundwater chemistry stabilized. Monitored parameters consisted of pH, Specific Conductivity, Redox Potential and Dissolved Oxygen. The monitoring well was considered stabilized and ready for sampling when the readings remain in the following ranges: ±0.1 for pH; ±3% for Specific Conductance (Conductivity); ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen. All samples were collected utilizing new and dedicated sampling equipment. Once collected, the samples were transferred to appropriate sample containers, packed on ice and then delivered to an ELAP certified laboratory. All groundwater samples collected were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Target Analyte List (TAL) Metals by EPA Method 6010B

During this reporting period, groundwater samples were collected from all wells on April 29, 2021, July 28, 2021, October 19, 2021, and January 21, 2022. The sampling and analysis were performed in accordance with the SMP, as summarized above. The next round of quarterly groundwater sampling is scheduled for April 2022.

On and Off-Site Vapor Points

To sample each vapor point, a clean plastic 4-mil sheet of polyethylene is placed on the ground and secured in place with tape. A 5-gallon plastic container is placed on top of the plastic sheet, above the vapor point to ensure ambient air is not drawn into the tube during sampling. A new Teflon-lined tube is inserted through the plastic container and connected to the existing permanent vapor tubing within the vapor point. All access and egress points around the bucket is sealed with modeling clay. The end of the tubing is connected to a regulator that is calibrated to fill a 6-Liter Summa® canister in approximately two (2) hours. Prior to the collection of the sample, at least three (3) volumes of air is removed from the vapor point tubing utilizing a SKC Air Check Personal Sampler Pump, model 224-PCXRA set at a collection rate of 0.2 liters per minute. The flow rate for both purging and sampling cannot exceed 0.2 liters per minute. As directed by the NYSDEC, each soil vapor sampling point is purged for at least five (5) minutes to guarantee that vapors representative of the sub soil conditions was being analyzed. Helium is utilized as a tracer gas and is introduced into the atmosphere under the pail to assure the viability of the vapor point seals. The tracer gas is monitored in the soil vapor air before, during and after the sampling, with a Myron Helium Detector. If the tracer gas is detected within the air stream to be analyzed, it would be assumed that the sampling point was compromised and that the air sample may have an infiltration of ambient air from the surface. Occasionally, the Helium accumulation in the bucket and around the bucket in ambient air is be checked to verify the process. All samples are collected utilizing new and dedicated sampling equipment. Once collected, samples are then delivered to an ELAP certified laboratory for analysis. All soil vapor samples collected are analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method TO-15

The annual vapor point sampling required by the SMP was performed on March 28, 2022. The sampling and analysis were in accordance with the SMP, as summarized above. The results of the sampling are summarized in Table 7 and Figures 8 and 9.

SVE

The performance of the SVE system was monitored quarterly to document the overall reduction in contamination on-site. Soil vapor extraction system components to be monitored include, but are not limited to, the following:

- Vacuum blower, vacuum, flow, and temperature;
- Individual well head vacuum, and;
- Influent and Effluent concentrations associated with the carbon canisters.

If any equipment readings are not within their typical range, any equipment is observed to be malfunctioning, or the system is not performing within specifications, maintenance and repair as per the Operation and Maintenance Plan are performed, and the soil vapor extraction system restarted.

During each inspection, the SVE system discharge was sampled and analyzed for the following parameters to evaluate the performance of the activated carbon air treatment system:

- Volatile Organic Compounds (VOCs) by EPA Method TO-15
- Flow Rate

During this reporting period, the SVE system discharge was sampled and analyzed on April 29, 2021, July 28, 2021, October 19, 2021, and January 21, 2022. The sampling and analysis were performed in accordance with the SMP, as summarized above. The next round of quarterly SVE system discharge sampling is scheduled for April 2022.

SVE Equipment

Maintenance of the SVE included visual inspection of the vacuum gauges to ensure that maximum vacuum was not exceeded, checking of all switches for proper operation, checking of all wiring for loose connections, checking of the water level within the moisture separator drum, and checking for loose fittings and bolts. Security fencing and other measures were maintained. The building enclosing the SVE system equipment was maintained to provide continuing security and noise control. During each inspection, the SVE Equipment was visually inspected for the following parameters to evaluate the performance of the system:

- Pressure
- Flow
- Run time
- Water in Knock-out Tank

SVE Extraction Wells & Lines

The SVE System is made up of eight (8) separate vapor extraction wells located throughout area of concern at the Site. The vapor extraction wells are connected to horizontal piping (lines) that enters the treatment building. Prior to being connecting to a vacuum blower, each vapor extraction well line is gauged for vacuum and flow. A valve permits adjustments to the flow to adjust the performance at each vapor extraction well. During each inspection, the SVE wells & lines were visually inspected for the following parameters to evaluate the performance of the system:

- Pressure
- Flow
- Periodic PID Readings

4.2 Summary of Monitoring Completed During Reporting Period

The following summarizes monitoring activities at the Site conducted during this monitoring period in accordance with the SMP. JCB conducted monthly SVE system inspection, Quarterly SVE system emissions testing, quarterly groundwater sampling, annual soil vapor sampling, and annual Soil Cover system inspection at the Site from December 2014 through March 2022. SVE system emission testing was reduced to quarterly in April 2016 as per the SMP Monitoring Plan Schedule.

Site Inspection Date	Cover System	On-Site Monitoring Well Network	On & Off-Site Soil Vapor Points	SVE	SVE Equipment	SVE Wells & Lines
12/08/2014				X	X	X
01/19/2015		X		X	X	X
02/05/2015				X	X	X
03/02/2015				X	X	X
04/20/2015		X		X	X	X
05/18/2015				X	X	X
06/01/2015				X	X	X
07/15/2015		X		X	X	X
08/07/2015				X	X	X
09/16/2015				X	X	X
10/21/2015		X		X	X	X
11/10/2015				X	X	X
12/04/2015				X	X	X
01/06/2016		X		X	X	X
02/09/2016				X	X	X
03/04/2016				X	X	X
04/18/2016	X			X	X	X
04/29/2016		X		X	X	X
05/23/2016						X
06/09/2016			X			X
07/29/2016		X		X	X	X
08/02/2016						X
09/21/2016						X
10/27/2016						X
11/11/2016		X		X	X	X
12/16/2016						X
01/31/2017		X		X	X	X
02/15/2017			X			X
03/30/2017	X			X	X	X
04/28/2017		X				X
05/02/2017				X	X	X
06/29/2017						X
07/26/2017		X		X	X	X
08/22/2017						X
09/25/2017						X
10/27/2017		X		X	X	X
11/06/2017						X
12/12/2017						X
01/25/2018		X		X	X	X
02/09/2018	X		X			X

Site Inspection Date	Cover System	On-Site Monitoring Well Network	On & Off-Site Soil Vapor Points	SVE	SVE Equipment	SVE Wells & Lines
03/09/2018						X
04/27/2018						X
05/25/2018						X
06/19/2018						X
07/26/2018		X		X	X	X
08/16/2018						X
09/13/2018						X
10/30/2018		X		X	X	X
11/28/2018						X
12/12/2018						X
01/30/2019	X	X		X	X	X
02/27/2019						X
03/28/2019						X
04/16/2019		X	X	X	X	X
05/30/2019						X
06/10/2019						X
07/31/2019						X
08/29/2019		X		X	X	X
09/27/2019						X
10/31/2019		X		X	X	X
11/26/2019						X
12/17/2019						X
01/30/2020		X				X
02/27/2020	X		X	X	X	X
03/25/2020						X
04/29/2020		X		X	X	X
05/21/2020						X
06/25/2020						X
07/31/2020		X		X	X	X
08/14/2020						X
09/10/2020	X		X	X	X	X
10/23/2020						X
11/17/2020		X				X
12/30/2020						X
01/28/2021		X			X	X
02/24/2021				X		X
03/23/2021						X
04/28/2021		X				X
05/27/2021						X
06/21/2021						X
07/20/2021		X		X	X	X
08/27/2021						X
09/29/2021						X
10/19/2021		X		X	X	X
11/29/2021						X
12/20/2021						X
01/21/2022	X	X		X	X	X
02/14/2022						X

4.3 Comparisons with Remedial Objectives

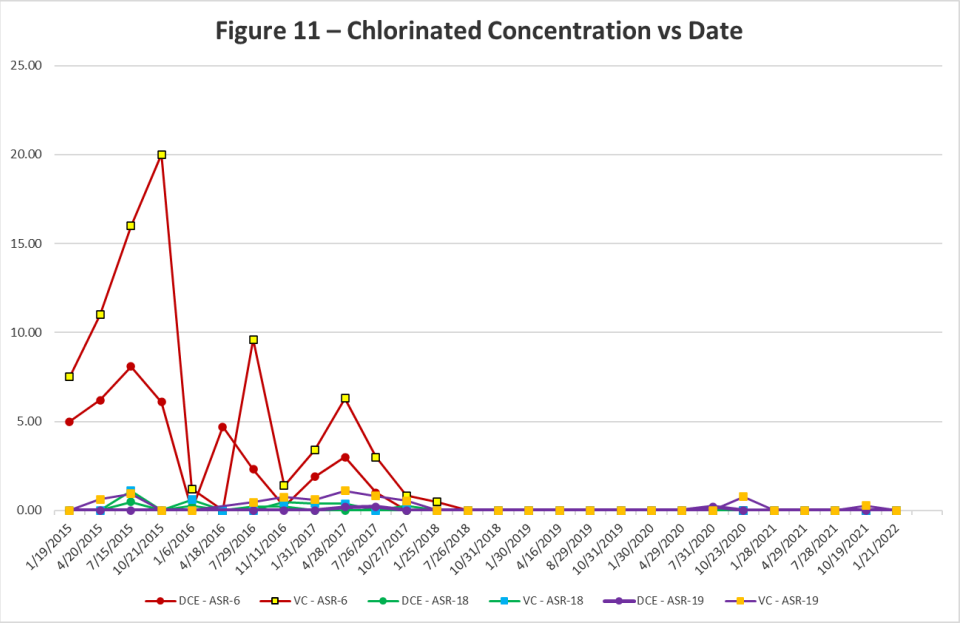
Results of groundwater sampling and testing are consistent with the remedial objectives. In the most recent round of groundwater sampling and testing, January 21, 2022, contaminants exceeding groundwater quality standards were limited to:

Analyte (µg/l)	TOGS 1.1.1	ASR-4	ASR-6	ASR-18	ASR-19	MW-23
Benzene	0.7	1.6	3.2	3.0		
Cis-1,2-Dichloroethylene	5					28
Isopropylbenzene	5	11.0		52.0	11.0	
n-Butylbenzene	5			5.8	5.4	
n-Propylbenzene	5	22.0		97.0	38.0	
Sec-Butylbenzene	5			9.1	19.0	
Tetrachloroethylene	5					6.0
Trichloroethylene	5					11.0
Vinyl Chloride	2					7.0

Since groundwater sampling and testing in November 2009, a notable reduction of the key chlorinated contaminants has been achieved, as illustrated by the following table:

Analyte µg/l	Cis-1,2-Dichloroethylene (DCE)		Tetrachloroethene (PCE)		Vinyl Chloride (VC)	
Location	**11/2009**	**01/2022**	**11/2009**	**01/2022**	**11/2009**	**01/2022**
ASR-1	11.0	<MDL	0.2	<MDL	12.0	<MDL
ASR-6	6.8	<MDL	<MDL	<MDL	11.0	<MDL
ASR-18	33.0	<MDL	<MDL	<MDL	38.0	<MDL
ASR-19	6.7	<MDL	<MDL	<MDL	6.7	<MDL

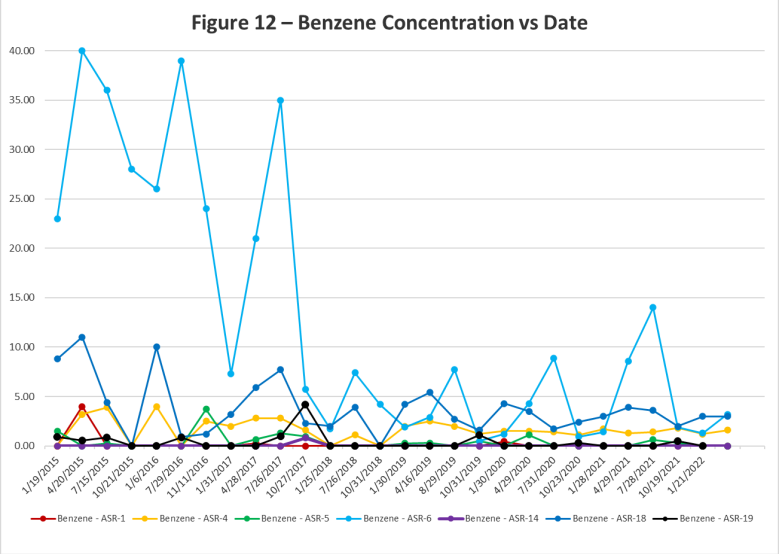
During this reporting period, Vinyl Chloride, Trichloroethylene, and cis-1,2-Dichloroethylene was detected above their respective guidance values in only one (1) groundwater monitoring well (MW-23). A continued downward trend in Cis-1,2-Dichloroethylene (DCE) and Vinyl Chloride (VC) is apparent as shown in Figure 11. DCE and VC in ASR-6 is no longer detected (red line). DCE and VC is also no longer detected in downgradient wells ASR-18 and ASR-19 (green and purple lines)



Similarly, BTEX compounds have dropped since the November 2009 testing, as illustrated by the changes in benzene concentrations in the following table:

Benzene µg/l	11/2009	01/2022
ASR-1	8.9	<MDL
ASR-4	4.3	1.6
ASR-5	1.3	<MDL
ASR-6	130	3.2
ASR-14	15	<MDL
ASR-18	160	3.0
ASR-19	7.4	<MDL

The off-site downgradient wells ASR-6, ASR-18 and ASR-19 are trending downward in concentrations with seasonal fluctuations partially obscuring the trend. Figure 12 shows the trend of benzene in these wells compared to the trend in on-site well ASR-4 near the former tank fields.



Results of vapor point sampling and testing are consistent with the remedial objectives. In the most recent round of vapor point sampling and testing, March 28, 2022, no DCE or VC were detected in any vapor samples. PCE vapors have dropped dramatically since the January 2008 sampling and testing as illustrated in the table below. Similarly, benzene and other petroleum-based compounds have dropped, as illustrated by comparison of PCE and benzene concentrations in the following table.

Analyte	PCE µg/m³		Benzene µg/m³	
Vapor Point	**1/2008**	**2/2022**	**1/2008**	**3/2022**
VP-1	25,600	0.15	58	0.15
VP-2	20	<MDL	2	<MDL
VP-3	56	<MDL	6	<MDL
VP-4	2,280	<MDL	19,400	<MDL
VP-5	671	<MDL	13,400	0.17
VP-6	147,000	0.16	2,010	<MDL
VP-7	64	<MDL	4	<MDL
VP-10	17,800	<MDL	270	0.19
VP-11	136	<MDL	2	2.6

Over the PRR reporting period, downward trends for both chlorinated and petroleum related concentrations in the soil vapor are evident.

4.4 Monitoring Deficiencies

The vapor point sampling was delayed until March because of the supply and number of Summa canisters needed for the sampling event.

4.5 Conclusions and Recommendations for Changes

The reported data indicates a clear and sustained reduction in the concentrations of chlorinated solvents and benzene, concluding that a bulk reduction in both groundwater and soil vapor contamination has been achieved as demonstrated by the continuous downward trends in both the groundwater and soil vapor contaminants to asymptomatic levels. It is JCB's opinion that the Remedial Action Objectives – restoring the groundwater aquifer, to the extent practicable, to pre-disposal/pre-release conditions and/or to a level commensurate with Site use, where groundwater use is restricted – have been met. This is further supported as the remedy was properly implemented and has achieved the bulk reduction of groundwater contamination.

JCB has concluded that continued operation of the engineering controls is technically impracticable and are no longer necessary for the protection of public health and the environment and requests the Department approve the termination of the current engineering controls.

5.0 Operation & Maintenance (O&M) Plan Compliance Report

5.1 Components of O&M Plan

Cover System

The asphalt/concrete cover system currently associated with the site (and any modified cover system associated with site redevelopment when it occurs) will be monitored annually. This inspection is to identify deformities such as cracks, or holes which may compromise the cover system. If deformities are observed, necessary repairs will be made and reported in the Periodic Review Report.

Soil Vapor Extraction System

The SVE remedial technology involves inducting airflow in the subsurface with applied vacuum extraction, enhancing the in-situ volatilization of contaminants and capture of soil vapors. The SVE process uses the volatility of the contaminants to allow mass transfer from adsorbed and dissolved phases in soil and groundwater to the vapor phase, where it is removed under vacuum, treated with activated carbon and discharged to the atmosphere. At this Site, the SVE system captures soil vapors which may be present by inducing air flow within the vadose zone.

To ensure proper operation of the system, the vacuum on the influent air should not exceed the manufacturer's high vacuum switch setting. An adjustable high vacuum switch is pre-set at the factory to shut down the blower when the vacuum exceeds the blower rating. Vacuum in excess of the specified values can overheat and damage the blower motor. Monitor the vacuum by referring to the vacuum gauge mounted closest to the blower.

Maintenance of the SVE includes checking vacuum gauges to ensure that maximum vacuum is not exceeded, check all switches for proper operation, check all wiring for loose connections, check water level within the moisture separator drum, and check for loose fittings and bolts.

The noise produced by the SVE system is to be controlled within NYC noise standards. Periodic inspections of the noise level will be made outside the building housing the SVE system, and corrective measures taken as necessary.

The adequate functioning of SVE system extraction wells will be maintained. Pressure and flow readings for each line will be used to access extraction well efficiency. With a significant drop in efficiency, corrective measures will be taken, including redevelopment of the well or cleaning of the vapor line as might be indicated as appropriate.

Suspect or malfunctioning instrumentation will be tested, calibrated, repaired or replaced as the situation indicates.

Security fencing and other measures will be maintained; and repaired or replaced as necessary. The building enclosing the SVE system equipment will be maintained to provide continuing security and noise control.

The operation of the components of the SVE system will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

Soil Vapor Extraction System Spent Carbon Disposal

The soil vapor extraction system utilizes an air purification system prior to final discharge consisting of two (2) Carbtrol Corporation Model G-3S canisters in series each filled with 140 pounds of activated carbon. Testing of the emissions is performed quarterly and consists of a post-carbon, mid-carbon, and final-carbon analysis. During operation of the system, the effectiveness of the carbon's ability to adsorb the contaminates decreases over time resulting in the replacement of the canisters with new. The spent canisters are stored on site until proper transportation and disposal arrangements are made.

During this reporting period, no spent carbon canisters were generated or removed from the Site.

5.2 Summary of O&M Completed During Reporting Period

Site Inspection Date	VES Blower #1 Status	VES Blower #2 Status	Run Time Since Inception (hours)	Comments
12/08/2014	On	On	4,263	
01/19/2015	On	On	5,271	
02/05/2015	On	On	5,679	
03/02/2015	On	On	6,279	
04/20/2015	On	On	7,455	
05/18/2015	On	On	8,127	
06/01/2015	On	On	8,463	
07/15/2015	On	On	9,519	
08/07/2015	On	On	10,071	
08/12/2015	On / Off / On	On / Off / On	10,190	Systems off 1 hr for Carbon Replacement
09/16/2015	On	On	11,030	
10/21/2015	Off	On	11,750	Blower #1 Found Off
10/30/2015	Off	On	11,750	Blower #1 Contactor (electrical component) Removed
11/06/2015	Off / On	On	11,750	Blower #1 Contactor Replaced
11/10/2015	On	On	11,846	
12/04/2015	On	On	12,422	
12/29/2015	On / Off	On	13,022	Blower #1 Reported making a noise; Blower #1 shut down until inspection can be made.
12/30/2015	Off / On	On	13,022	Identified fresh air valve making noise, adjusted and turned Blower #1 on.
01/06/2016	On	On	13,190	
02/09/2016	On	On	14,006	
03/04/2016	On	On	14,582	
04/18/2016	On	On	15,662	Site Wide Inspection
04/29/2016	On	On	15,926	Quarterly GW Sampling and Inspection
05/23/2016	Off	On	16,502	
06/09/2016	Off/On	On	16,910	Blower #1 contactor found tripped. Reset, Blower #1 running Soil Vapor Point Sampling
07/29/2016	On	On	18,110	Quarterly GW Sampling and Inspection Monitoring Well Maintenance
08/02/2016	On	On	18,206	
09/21/2016	On	On	19,404	Installed Replacement Well MW-23
10/27/2016	On	On	20,270	
11/11/2016	On	On	20,628	Quarterly GW Sampling and Inspection
12/16/2016	On	On	21,468	
01/31/2017	On	On	22,571	Quarterly GW Sampling and Inspection

Site Inspection Date	VES Blower #1 Status	VES Blower #2 Status	Run Time Since Inception (hours)	Comments
02/15/2017	On	On	22,931	Soil Vapor Point Sampling Carbon Replacement with New
03/30/2017	On	On	23,963	Site Wide Inspection
04/28/2017	On	On	24,659	Quarterly GW Sampling and Inspection Added Muffler to Blower#1 Fresh Air Intake
05/02/2017	On	On	24,755	
06/29/2017	On	On	26,147	Replaced all Batteries and Cal Gauges
07/26/2017	On	On	26,795	Quarterly GW Sampling and Inspection Monitoring Well Maintenance
08/22/2017	On	On	27,443	
09/25/2017	On	On	28,259	
10/27/2017	On	On	29,027	Quarterly GW Sampling and Inspection
11/06/2017	On	On	29,267	
12/12/2017	On	On	30,131	
01/25/2018	On	On	30,875	Quarterly GW Sampling and Inspection
02/09/2018	On	On	31,547	Soil Vapor Point Sampling Site Wide Inspection
03/09/2018	On	On	32,219	SVE Extraction Wells & Lines
04/27/2018	On	On	33,394	SVE Extraction Wells & Lines
05/25/2018	On	On	34,065	SVE Extraction Wells & Lines
06/19/2018	On	On	34,664	SVE Extraction Wells & Lines
07/26/2018	On	On	35,552	Quarterly GW Sampling and Inspection Monitoring Well Maintenance SVE Extraction Wells & Lines
08/16/2018	On	On	36,056	SVE Extraction Wells & Lines
09/13/2018	On	On	36,727	SVE Extraction Wells & Lines
10/30/2018	On	On	37,855	Quarterly GW Sampling and Inspection Replaced all Batteries and Cal Gauges SVE Extraction Wells & Lines
11/28/2018	On	On	38,528	SVE Extraction Wells & Lines
12/12/2018	On	On	38,864	SVE Extraction Wells & Lines
01/30/2019	On	On	40,039	Site Wide Inspection SVE Extraction Wells & Lines
02/27/2019	On	On	40,711	SVE Extraction Wells & Lines
03/28/2019	On	On	41,408	SVE Extraction Wells & Lines
04/16/2019	On	On	41,865	Soil Vapor Point Sampling Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
05/30/2019	On	On	42,921	SVE Extraction Wells & Lines
06/10/2019	On	On	43,185	SVE Extraction Wells & Lines
07/31/2019	On	On	44,409	SVE Extraction Wells & Lines
08/29/2019	On	On	45,105	Quarterly GW Sampling and Inspection Replaced all Batteries and Cal Gauges SVE Extraction Wells & Lines
09/27/2019	On	On	45,801	SVE Extraction Wells & Lines
10/31/2019	On	On	46,617	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
11/26/2019	On	On	47,242	SVE Extraction Wells & Lines
12/17/2019	On	On	47,746	SVE Extraction Wells & Lines
01/30/2020	On	On	48,802	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines

Site Inspection Date	VES Blower #1 Status	VES Blower #2 Status	Run Time Since Inception (hours)	Comments
02/27/2020	On	On	49,474	Soil Vapor Point Sampling Site Wide Inspection SVE Extraction Wells & Lines
03/25 /2020	On	On	50,098	SVE Extraction Wells & Lines
04/29/2020	Off	On	50,904	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
05/21/2020	Off	On	51,418	SVE Extraction Wells & Lines
06/25/2020	Off	On	52,234	SVE Extraction Wells & Lines
07/31/2020	Off	On	53,074	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
08/14/2020	Off	On	53,386	SVE Extraction Wells & Lines
09/10/2020	On	On	54,010	Soil Vapor Point Sampling Site Wide Inspection SVE Extraction Wells & Lines SVE Blower #1 running
10/23/2020	On	On	55,042	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
11/17/2020	On	On	55,570	SVE Extraction Wells & Lines
12/30/2020	On	On	56,842	SVE Extraction Wells & Lines
01/28/2021	On	On	57,539	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
02/25/2021	On	On	58,210	SVE Extraction Wells & Lines
3/23/2021	On	On	58,834	SVE Extraction Wells & Lines
4/28/2021	On	On	59,697	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
5/27/2021	On	On	60,392	SVE Extraction Wells & Lines
6/21/2021	On	On	60,992	SVE Extraction Wells & Lines
7/28/2021	On	On	61,880	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
8/27/2021	On	On	62,600	SVE Extraction Wells & Lines
9/29/2021	On	On	63,391	SVE Extraction Wells & Lines
10/19/2021	On	On	63,871	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
11/29/2021	On	On	64,855	SVE Extraction Wells & Lines
12/20/2021	On	On	65,359	SVE Extraction Wells & Lines
1/21/2022	On	On	66,127	Quarterly GW Sampling and Inspection SVE Extraction Wells & Lines
2/14/2022	On	On	66,702	SVE Extraction Wells & Lines
Total Operating Time:			66,702	2,779 of 2,801 Available Days, 99.21% up-time

5.3 Evaluation of Remedial Systems

Based upon the results of the O&M activities completed, each component of the remedy subject to the O&M requirements performed as designed/expected. See Sections 3.3 and 4.3 that address the performance of the SVE system and results of monitoring that demonstrate the performance of the engineering control.

5.4 O&M Deficiencies

In previous PRR reports we reported that the SVE system discharge sampling had identified several compounds including toluene to have very little or no adsorption onto the activated carbon treatment system, and as a result, effluent concentrations were equivalent to or higher than influent concentrations. This problem was addressed at the time by replacing the carbon canisters. Although the concentrations in general have decreased in the influent to the canisters, this occurrence continues.

No other deficiencies in complying with the O&M Plan was identified during this PRR reporting period.

5.5 Conclusions and Recommendations for Improvements

No changes are recommended in the basic O&M Plan.

6.0 Overall PRR Conclusions and Recommendations

The remedy continues to be adequately managed as set forth in the SMP and continues to be protective of human health and the environment. The Site is in general compliance with the applicable requirements as presented in the SMP.

6.1 Compliance with SMP

Activities at the Site are in substantial compliance with the SMP.

6.2 Performance and Effectiveness of the Remedy

The reported data indicates a clear and sustained reduction in the concentrations of chlorinated solvents and benzene, concluding that a bulk reduction in both groundwater and soil vapor contamination has been achieved as demonstrated by the continuous downward trends in both the groundwater and soil vapor contaminants to asymptomatic levels. It is JCB's opinion that the Remedial Action Objectives – restoring the groundwater aquifer, to the extent practicable, to pre-disposal/pre-release conditions and/or to a level commensurate with Site use, where groundwater use is restricted – have been met. This is further supported as the remedy was properly implemented and has achieved the bulk reduction of groundwater contamination.

Section 2.2.2 of the SMP provides - remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. When this occurs, the remedial party or owner may by the submission of a PRR propose that a treatment system be shut down and/or monitoring of a groundwater and/or soil vapor plume can be terminated.

JCB requests that the Department review the reported data and as per Section II(G) of the Brownfield Site Cleanup Agreement petition the Department for a determination that continued operation of the engineering controls is deemed technically impracticable and are no longer necessary for the protection of public health and the environment and may be terminated.

6.3 Future PRR Submittals

The Periodic Review Report will continue to be submitted to the Department every year. In the event that the site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the site described in Appendix B (Metes and Bounds) of the SMP. The report will be prepared in accordance with NYSDEC DER-10 and submitted within 30 days of the end of each certification period.

Tables

Table No. 1:
Groundwater Analytical Results Summary – April 29, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
EPA 8260 Volatiles List	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,1-Trichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloroethane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dibromo-3-chloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dibromoethane	0.0006	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloroethane	0.6	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloropropane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,3,5-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,3-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dioxane	~	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<80.0	U	<0.40	U	<40.0	U	<40.0	U	<40.0	U	<400	U	<40.0	U	<40.0	U	<40.0	U
2-Butanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	4.00	D	<0.20	U	2.80		<0.20	U	<0.20	U	<2.00	U	1.70		<0.20	U	<0.20	U
2-Hexanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.40	U	<0.20	U	0.29	J	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
4-Methyl-2-pentanone	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	1.50		<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Acetone	50	3.20		<1.00	U	<1.00	U	8.80	B	<1.00	U	5.70	D	<1.00	U	7.60		<1.00	U	<1.00	U	<10.0	U	2.60		<1.00	U	<1.00	U
Acrolein	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Acrylonitrile	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Benzene	1	<0.20	U	<0.20	U	<0.20	U	**1.40**		0.61		**14.0**	D	**4.50**		<0.20	U	<0.20	U	<0.20	U	**3.60**	JD	<0.20	U	<0.20	U	<0.20	U
Bromochloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Bromodichloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Bromoform	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Bromomethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Carbon disulfide	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.37	JB	0.56	JB	0.38	JB	0.50	B	0.34	JB	0.35	JB	2.90	JB	0.40	JB	0.38	JB	0.33	JB
Carbon tetrachloride	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U

Table No. 1:
Groundwater Analytical Results Summary – April 29, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Chlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Chloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Chloroform	7	<0.20	U	0.51		<0.20	U	<0.20	U	0.53		<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Chloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
cis-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
cis-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Cyclohexane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	19.00	D	3.90		<0.20	U	<0.20	U	<0.20	U	38.00	D	<0.20	U	<0.20	U	<0.20	U
Dibromochloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Dibromomethane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Dichlorodifluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Ethyl Benzene	5	<0.20	U	<0.20	U	<0.20	U	1.20		0.20	J	1.10	D	3.80		<0.20	U	<0.20	U	<0.20	U	**26.0**	D	0.25	J	<0.20	U	<0.20	U
Hexachlorobutadiene	0.5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Isopropylbenzene	5	<0.20	U	<0.20	U	<0.20	U	**12.0**		<0.20	U	**7.10**	D	**6.10**		<0.20	U	<0.20	U	<0.20	U	**50.0**	D	**6.30**		<0.20	U	<0.20	U
Methyl acetate	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Methyl tert-butyl ether (MTBE)	10	3.20		<0.20	U	<0.20	U	0.32	J	1.20		3.00	D	0.32	J	<0.20	U	0.35	J	0.65		<2.00	U	0.53		<0.20	U	<0.20	U
Methylcyclohexane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.20	U	4.20	D	1.20		<0.20	U	<0.20	U	<0.20	U	11.00	D	<0.20	U	<0.20	U	<0.20	U
Methylene chloride	5	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	4.60	D	<1.00	U	<1.00	U	<1.00	U	<1.00	U	**21.0**	D	<1.00	U	<1.00	U	<1.00	U
n-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	1.80		<0.20	U	<0.40	U	1.60		<0.20	U	<0.20	U	<0.20	U	4.30	JD	2.70		<0.20	U	<0.20	U
n-Propylbenzene	5	<0.20	U	<0.20	U	<0.20	U	**25.0**		<0.20	U	2.40	D	**8.80**		<0.20	U	<0.20	U	<0.20	U	**100**	D	**17.0**		<0.20	U	<0.20	U
o-Xylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.24	J	<0.40	U	0.27	J	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
p- & m- Xylenes	~	<0.20	U	<0.50	U	<0.50	U	<0.50	U	0.55	J	<1.00	U	3.00		<0.50	U	<0.50	U	<0.50	U	5.70	JD	<0.50	U	<0.50	U	<0.50	U
p-Isopropyltoluene	5	<0.20	U	<0.20	U	<0.20	U	0.27	J	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
sec-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.82	JD	0.68		<0.20	U	<0.20	U	<0.20	U	**8.50**	D	**9.00**		<0.20	U	<0.20	U
Styrene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
tert-Butyl alcohol (TBA)	~	<0.50	U	<0.50	U	<0.50	U	<0.50	U	4.10		12.0	D	<0.50	U	<0.50	U	<0.50	U	3.50		<2.00	U	<0.50	U	0.50	U	<0.50	U
tert-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.50	JD	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	0.65		<0.20	U	<0.20	U
Tetrachloroethylene	5	<0.20	U	0.55		<0.20	U	<0.20	U	0.61		<0.40	U	<0.20	U	<0.20	U	0.26	J	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Toluene	5	0.61		1.20		1.00		0.52		1.40		1.00	D	0.78		<0.20	U	0.88		0.37	J	<2.00	U	<0.20	U	<0.20	U	<0.20	U
trans-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
trans-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
trans-1,4-dichloro-2-butene	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Trichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Trichlorofluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Vinyl Chloride	2	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<2.00	U	<0.20	U	<0.20	U	<0.20	U
Xylenes, Total	5	<0.60	U	<0.60	U	<0.60	U	<0.60	U	0.79	J	<1.20	U	3.30		<0.60	U	<0.60	U	<0.60	U	<6.00	U	<0.60	U	<0.60	U	<0.60	U

Table No. 1:
Groundwater Analytical Results Summary – April 29, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021		4/29/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
TAL Metals	**µg/L**	----		----		----		----		----		----		----		----		----		----		----		----		----		----	
Aluminum	~	57.7		57.9		59.2		138		<55.6	U	<55.6	U	69,500		149,000		95.90		<55.6	U	69.6		48,300		<55.6	U	<83.3	U
Antimony	3	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	**8.10**		<1.11	U	1.11	U	<1.11	U	3.05		<1.11	U	<1.11	U
Arsenic	25	<1.11	U	<1.11	U	3.53		<1.11	U	<1.11	U	<1.11	U	19.9		**102**		<1.11	U	1.11	U	1.89		36.0		<1.11	U	<1.11	U
Barium	1,000	120		156		185		186		160		233		**1,320**		**1,610**		141		143		335		561		115		180	
Beryllium	3	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	2.220		1.260		<0.333	U	0.333	U	<0.333	U	0.718		<0.333	U	<0.333	U
Cadmium	5	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	2.160		**7.780**		<0.556	U	0.556	U	<0.556	U	0.661		<0.556	U	<0.556	U
Calcium	~	115,000		116,000		123,000		134,000		112,000		150,000		183,000		198,000		112,000		128,000		201,000		159,000		113,000		177,000	
Chromium	50	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	**215**		**957**		<5.56	U	5.56	U	<5.56	U	**94.2**		<5.56	U	<8.33	U
Cobalt	~	<4.44	U	<4.44	U	10.2		<4.44	U	<4.44	U	<4.44	U	62.7		154		<4.44	U	4.44	U	<4.44	U	60.4		<4.44	U	<6.67	U
Copper	200	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	**365**		**1,440**		<22.2	U	22.2	U	<22.2	U	167		<22.2	U	<33.3	U
Iron	~	438		278	U	10,700		1,770		296		7,350		102,000		344,000	D	278	U	991		18,000		210,000	D	753		1,090	
Lead	25	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	**819**		**2,070**		<5.56	U	<5.56	U	<5.56	U	**508**		<5.56	U	<8.33	U
Magnesium	35000	**36,600**		**40,600**		15,700		**38,100**		**39,100**		**38,300**		**78,400**		**104,000**		34,300		**40,800**		**42,800**		**36,300**		**36,800**		**56,800**	
Manganese	300	170		13.4		**2,300**		**575**		8.61		**689**		**855**		**6,100**		**1,150**		**765**		**1,320**		**3,150**		188		285	
Mercury	0.7	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.30		**9.90**	D	<0.20	U	0.70		<0.20	U	0.60		<0.20	U	<1.11	U
Nickel	100	<11.1	U	<1.11	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	**122**		**365**		<11.1	U	<11.1	U	<11.1	U	82.7		<11.1	U	<16.7	U
Potassium	~	8,230	B	5,510	B	10,200	B	7,960.00	B	5,590	B	10,700	B	11,700	B	33,500	B	5,980	B	6,800	B	18,700	B	19,700	B	7,960	B	11,900	
Selenium	10	2.85		<1.11	U	<1.11	U	<1.11	U	<1.11	U	1.59		**69.9**		**163**		2.05		<1.11	U	<1.11	U	**50.3**		<1.11	U	<1.11	U
Silver	50	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U
Sodium	20000	**167,000**		**139,000**		**400,000**		**232,000**		**139,000**		**214,000**		**133,000**		**785,000**		**123,000**		**166,000**		**403,000**		**229,000**		**155,000**		**229,000**	
Thallium	~	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	1.21		<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Vanadium	~	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	206		465		<11.1	U	<11.1	U	<11.1	U	133		<11.1	U	16.7	U
Zinc	2000	<27.8	U	<27.8	U	<27.8	U	<27.8	U	<27.8	U	<27.8	U	1,230		**9,130**		<27.8	U	<27.8	U	<27.8	U	411		<27.8	U	41.7	U

NOTES:
µg/L = ppb = parts per billion
Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value
Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
B=analyte found in the analysis batch blank
U=analyte not detected at or above the level indicated
D=result is from an analysis that required a dilution
~=this indicates that no regulatory limit has been established for this analyte

Table No. 2:
Groundwater Analytical Results Summary - July 28, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-5 DUP		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23	
Sampling Date		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
EPA 8260 Volatiles List	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1,1-Trichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1,2,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1,2-Trichloroethane	1	<0.20	U	**2.50**		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1-Dichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,1-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2,3-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2,3-Trichloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2,4-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2,4-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2-Dibromo-3-chloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2-Dibromoethane	0.0006	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2-Dichloroethane	0.6	<0.20	U	**0.81**		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,2-Dichloropropane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,3,5-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,3-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,4-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
1,4-Dioxane	~	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<200	U	<200	U	<40.0	U
2-Butanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.42	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
2-Hexanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
4-Methyl-2-pentanone	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Acetone	50	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	1.00	J	<1.00	U	2.20		<1.00	U	<0.20	U	<5.00	U	<5.00	U	<1.00	U
Acrolein	~	<0.20	U	0.30	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Acrylonitrile	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Benzene	1	<0.20	U	<0.20	U	<0.20	U	1.80		0.30	J	0.59		1.90		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**2.00**	JD	<1.00	U	<0.20	U
Bromochloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U

Table No. 2:
Groundwater Analytical Results Summary - July 28, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-5 DUP		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23	
Sampling Date		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Bromodichloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Bromoform	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Bromomethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Carbon disulfide	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Carbon tetrachloride	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Chlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Chloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Chloroform	7	<0.20	U	0.65		<0.20	U	<0.20	U	0.59		0.57		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Chloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
cis-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	**8.00**	
cis-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Cyclohexane	~	<0.20	U	<0.20	U	0.25	J	<0.20	U	<0.20	U	<0.20	U	14.00		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	3.10	
Dibromochloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Dibromomethane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Dichlorodifluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Ethyl Benzene	5	<0.20	U	<0.20	U	<0.20	U	1.20		<0.20	U	0.22	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.60	JD	<1.00	U	<0.20	U
Hexachlorobutadiene	0.5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Isopropylbenzene	5	<0.20	U	<0.20	U	<0.20	U	**12.0**		<0.20	U	<0.20	U	2.30		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**33.0**	D	**7.70**	D	<0.20	U
Methyl acetate	~	5.70		<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.40		<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.40		<1.00	U	<1.00	U	<0.20	U
Methyl tert-butyl ether (MTBE)	10	4.90		<0.20	U	0.34	J	<0.20	U	0.62		1.10		3.50		<0.20	U	<0.20	U	<0.20	U	0.88		<1.00	U	<1.00	U	4.30	
Methylcyclohexane	~	<0.20	U	<0.20	U	0.20	U	1.90		<0.20	U	<0.20	U	2.10		<0.20	U	<0.20	U	<0.20	U	<0.20	U	8.20	D	<1.00	U	<0.20	U
Methylene chloride	5	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<5.00	U	<5.00	U	<1.00	U
n-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	2.10		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	2.90	D	<1.00	U	<0.20	U
n-Propylbenzene	5	<0.20	U	<0.20	U	<0.20	U	24.0		<0.20	U	<0.20	U	0.68		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**66.0**	D	**21.0**	D	<0.20	U
o-Xylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.26	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
p- & m- Xylenes	~	0.50	U	<0.20	U	<0.50	U	<0.50	U	<0.50	U	0.55	J	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	2.50	JD	<2.50	U	0.50	U
p-Isopropyltoluene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
sec-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	1.90		<0.20	U	<0.20	U	0.42	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**6.00**	D	**10.0**	D	<0.20	U
Styrene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
tert-Butyl alcohol (TBA)	~	29.0		<0.20	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	16.00		<0.50	U	<0.50	U	<0.50	U	<0.50	U	<2.50	U	<2.50	U	15.00	
tert-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	0.32	J	<0.20	U	<0.20	U	0.55		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U

Table No. 2:
Groundwater Analytical Results Summary - July 28, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-5 DUP		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23	
Sampling Date		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Tetrachloroethylene	5	<0.20	U	0.58		<0.20	U	<0.20	U	0.61		0.61		<0.20	U	0.21	J	<0.20	U	0.20	J	<0.20	U	<1.00	U	<1.00	U	0.40	J
Toluene	5	0.21	J	0.72		2.50		1.20		0.74		1.40		0.60		<0.20	U	<0.20	U	1.90		1.40		1.50	JD	1.20	JD	0.71	
trans-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	0.49	J
trans-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
trans-1,4-dichloro-2-butene	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	0.20	U
Trichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	1.80	
Trichlorofluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	<0.20	U
Vinyl Chloride	2	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<1.00	U	**3.40**	
Xylenes, Total	5	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	0.81	J	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<3.00	U	<3.00	U	<0.60	U
Metals, Target Analyte	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Aluminum	~	<56.0	U	56.0	U	143		172		69.0		56.0	U	61.0		104		1450		1,770		<56.0	U	92.0		104		56.0	U
Antimony	3	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	28	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U
Arsenic	25	<17.0	U	<17.0	U	<17.0	U	<17.0	U	<17.0	U	17	U	<17.0	U	<17.0	U	<17.0	U	<28.0	U	<28.0	U	<17.0	U	<17.0	U	<17.0	U
Barium	1,000	133		156		308		209		162		167		208		130		35.0		174		163		301		266		117	
Beryllium	3	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U
Cadmium	5	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U	<3.00	U
Calcium	~	118,000		117,000		181,000		144,000		115,000		115,000		129,000		112,000		36,500		116,000		126,000		172,000		183,000		110,000	
Chromium	50	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	11.0		6.00		<6.00	U	<6.00	U	<6.00	U	<6.00	U
Cobalt	~	<4.00	U	<4.00	U	9.00		<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U	<4.00	U
Copper	200	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U	<22.0	U
Iron	~	678		278	U	20,200		1,970		278	U	286		4580		383		2,920		3,240		1,530		15,200		4,860		658	
Lead	25	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	16.0		<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U
Magnesium	35,000	**35,700**		**39,600**		23,400		**40,000**		**38,400**		**38,500**		34,000		**37,500**		7,540		**36,600**		**39,800**		**37,300**		30,000		32,200	
Manganese	300	234		<6.00	U	**3,130**		**603**		7.00		8.00		**583**		44.0		66.0		**1,530**		**748**		**1,100**		**1,450**		194	
Nickel	100	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U
Potassium	~	8,970		5,400		13,600		8,570		5,690		5,640		10,300		5,420		5,800		6,310		7,530		17,300		14,100		8,940	
Selenium	10	**70.0**		**76.0**		<28.0	U	**63.0**		**65.0**		**77.0**		**47.0**		**66.0**		28.0	U	**67.0**		**69.0**		**52.0**		**48.0**		**65.0**	
Silver	50	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U	<6.00	U
Sodium	20,000	**104,000**		**89,600**		**343,000**		**145,000**		**88,100**		**95,800**		**114,000**		**82,600**		**63,200**		**80,800**		**117,000**		**190,000**		**150,000**		**113,000**	
Thallium	~	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U

Table No. 2:
Groundwater Analytical Results Summary - July 28, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-5 DUP		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23	
Sampling Date		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021		7/28/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Vanadium	~	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U	<11.0	U
Zinc	2,000	<28.0	U	<28.0	U	<35.0		<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U	118		<28.0	U	<28.0	U	<28.0	U	<28.0	U	<28.0	U
Mercury by 7470/7471	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Mercury	0.7	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20		<0.20	U	<0.20		<0.20	U	<0.20	U

NOTES:
µg/L = ppb = parts per billion
Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
B=analyte found in the analysis batch blank
U=analyte not detected at or above the level indicated
D=result is from an analysis that required a dilution
~=this indicates that no regulatory limit has been established for this analyte

Table No. 3:
Groundwater Analytical Results Summary - October 19, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
EPA 8260 Volatiles List	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,1-Trichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloroethane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	0.26	J	<0.20	U	<0.20	U
1,1-Dichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	4.40		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dibromo-3-chloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dibromoethane	0.0006	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloroethane	0.6	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloropropane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,3,5-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	0.67		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,3-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dioxane	~	40.00	U	40.00	U	40.00	U	40.00	U	<0.20	U	<0.40	U	<0.40	U	<0.40	U	<0.40	U	<0.40	U	<200	U	<40.0	U	<40.0	U	<40.0	U
2-Butanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	0.21	J	1.10	
2-Hexanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
4-Methyl-2-pentanone	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	3.70		<0.20	U	<0.20	U
Acetone	50	1.10	J	1.00	U	3.30		2.40		1.60	J	<2.00	U	<1.00	U	1.60	J	1.20	J	1.20	J	<5.00	U	5.50		<0.20	U	1.00	U
Acrolein	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Acrylonitrile	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Benzene	1	<0.20	U	<0.20	U	<0.20	U	**1.20**		<0.20	U	**1.30**	D	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**3.00**	D	0.49	J	<0.20	U	0.29	J
Bromochloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U

Table No. 3:
Groundwater Analytical Results Summary - October 19, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Bromodichloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Bromoform	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Bromomethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Carbon disulfide	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Carbon tetrachloride	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Chlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Chloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Chloroform	7	<0.20	U	0.54		0.30	J	<0.20	U	0.56		<0.40	U	<0.20	U	0.23	J	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Chloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	0.20	J	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
cis-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	**9.10**		**9.40**	
cis-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Cyclohexane	~	1.40		<0.20	U	0.24	J	<0.20		<0.20	U	12.00	D	<0.20	U	<0.20	U	<0.20	U	1.10		1.00	D	<0.20	U	3.90		4.10	
Dibromochloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Dibromomethane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Dichlorodifluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Ethyl Benzene	5	<0.20	U	<0.20	U	<0.20	U	2.90		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.20	JD	0.63		<0.20	U	<0.20	U
Hexachlorobutadiene	0.5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Isopropylbenzene	5	<0.20	U	<0.20	U	<0.20	U	**8.10**		<0.20	U	1.30	D	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**48.0**	D	**13.0**		<0.20	U	<0.20	U
Methyl acetate	~	3.80		<0.20	U	<0.20	U	<0.20	U	<0.20	U	4.50	D	<0.20	U	<0.20	U	<0.20	U	0.80		<1.00	U	<0.20	U	4.10		4.20	
Methyl tert-butyl ether (MTBE)	10	3.60		<0.20	U	<0.20	U	0.61		<0.20	U	3.90	D	<0.20	U	<0.20	U	<0.20	U	0.73		<1.00	U	<0.20	U	3.10		3.20	
Methylcyclohexane	~	<0.20	U	<0.20	U	0.25	J	1.40		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	12.0	D	5.30		0.20	U	<0.20	U
Methylene chloride	5	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<2.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<5.00	U	<1.00	U	<1.00	U	<1.00	U
n-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	0.77		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	4.40	D	**7.40**		<0.20	U	<0.20	U
n-Propylbenzene	5	<0.20	U	<0.20	U	<0.20	U	**15.0**		<0.20	U	0.76	JD	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**97.0**	D	**38.0**		<0.20	U	<0.20	U
o-Xylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
p- & m- Xylenes	~	<0.20	U	<0.20	U	<0.50	U	1.60		<0.50	U	<1.00	U	<0.50	U	<0.20	U	<0.50	U	<0.50	U	<2.50	U	<0.50	U	<0.50	U	<0.50	U
p-Isopropyltoluene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	0.42	J	<0.20	U	<0.20	U
sec-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	1.10		<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**9.00**	D	**18.0**		<0.20	U	<0.20	U
Styrene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
tert-Butyl alcohol (TBA)	~	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<1.00	U	<0.50	U	0.50	U	<0.50	U	<0.50	U	<2.50	U	<0.50	U	7.40		9.20	

Table No. 3:
Groundwater Analytical Results Summary - October 19, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021		10/19/2021	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
tert-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	0.27	J	<0.20	U	0.48	JD	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	0.86		<0.20	U	<0.20	U
Tetrachloroethylene	5	<0.20	U	0.98		<0.20	U	<0.20	U	0.88		<0.40	U	0.43	J	0.37	J	0.32	J	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Toluene	5	0.80		1.30		2.50		1.00		0.66		0.94	JD	0.94		1.40		2.30		0.54		1.50	JD	0.96		0.81		0.77	
trans-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	0.46	J	0.47	J
trans-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
trans-1,4-dichloro-2-butene	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Trichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	0.54		0.58		0.52	
Trichlorofluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	<0.20	U	<0.20	U	<0.20	U
Vinyl Chloride	2	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.40	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<1.00	U	0.28	J	**5.90**		**6.10**	
Xylenes, Total	5	<0.60	U	<0.60	U	<0.60	U	1.60		<0.60	U	<1.20	U	<0.60	U	<0.60	U	<0.60	U	<0.60	U	<3.00	U	<0.60	U	<0.60	U	<0.60	U
Metals, Target Analyte, ICP	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Aluminum	~	<55.6	U	<55.6	U	160		151		<55.6	U	<55.6	U	129		90.2		9,200		<55.6	U	172		153		71.3		78.2	
Barium	1000	116		148		401		168		161		188		142		59.1		500		167		281		269		112		116	
Calcium	~	101,000		103,000		214,000		113,000		104,000		109,000		100,000		90,100		117,000		109,000		155,000	B	186,000	B	99,900	B	104,000	B
Chromium	50	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	21.5		<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U
Cobalt	~	<4.44	U	<4.44	U	10.30		<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	24		<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U
Copper	200	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	56.5		<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U
Iron	~	380		278	U	29,600		1,520		278	U	3,500		908		278	U	15,700		1,420		11,100		4,730		617		609	
Lead	25	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	**273**		<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U
Magnesium	35000	34,400		**39,400**		22,900		**35,900**		**37,700**		32,100		**37,800**		25,400		**38,200**		**38,500**		**36,200**		31,500		31,800		32,700	
Manganese	300	170		6.25		**3,110**		**417**		6.69		**493**		41.1		32.3		**6,110**		**689**		**870**		**1,520**		173		180	
Nickel	100	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	14.2		<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U
Potassium	~	8,230		5,130		14,200		7,490		5,260		9,770		5,260		8,840		6,520		6,760		15,000		14,000		8,610		8,980	
Silver	50	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U
Sodium	20000	**161,000**		**147,000**		**579,000**		**232,000**		**143,000**		**186,000**		**143,000**		**172,000**		**126,000**		**179,000**		**284,000**		**244,000**		**168,000**		**171,000**	
Vanadium	~	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	38.7		<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U
Zinc	2000	<27.8	U	<27.8	U	27.8		<27.8	U	<27.8	U	<27.8	U	27.8	U	34.2		188		<27.8	U	<27.8	U	<27.8	U	<27.8	U	<27.8	U

Table No. 3:
Groundwater Analytical Results Summary - October 19, 2021

Sample ID	Guidance Values	ASR-1		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		ASR-19		MW-23		MW-23 DUP	
Sampling Date		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**		**10/19/2021**	
Client Matrix		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**		**Water**	
Compound		**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Metals, Target Analyte, ICPMS	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Antimony	3	<11.1	U	<11.1	U	<11.1	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Arsenic	25	<1.11	U	<1.11	U	6.73		<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	10.4		<1.11	U	1.430		<1.11	U	<1.11	U	<1.11	U
Beryllium	3	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	0.691		<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U
Cadmium	5	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U
Selenium	10	<11.1	U	<11.1	U	<11.1	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Thallium	~	<11.1	U	<11.1	U	<11.1	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Mercury by 7470/7471	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1		1.00		1.00	
Mercury	0.7	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U

NOTES:
µg/L = ppb = parts per billion
Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
B=analyte found in the analysis batch blank
U=analyte not detected at or above the level indicated
D=result is from an analysis that required a dilution
~=this indicates that no regulatory limit has been established for this analyte

Table No. 4:
Groundwater Analytical Results Summary - January 21, 2022

Sample ID	Guidance Values	ASR-1		ASR-1 DUP		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		MW-19		MW-23	
Sampling Date		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
EPA 8260 Volatiles List	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1,1-Trichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1,2,2-Tetrachloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.20	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1,2-Trichloroethane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2,3-Trichloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trichlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.20		<0.20	<0.	0.980		<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.21	J	<0.20	U	0.29	J
1,2-Dibromo-3-chloropropane	0.04	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.20	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dibromoethane	0.0006	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloroethane	0.6	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloropropane	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,3,5-Trimethylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.20	J	<0.20	U	<0.20	U
1,3-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dichlorobenzene	3	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	<0.	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
1,4-Dioxane	~	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	<40.0	U	40.0	U	40.0	U	<0.20	U
2-Butanone	50	1.40		1.60		0.76		1.10		1.30		1.30		3		7.10		0.99		5.60		1.60		8.20		2.500		<0.20	U
2-Hexanone	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
4-Methyl-2-pentanone	~	<0.20	U	<0.20	U	<0.20	U	0.40	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Acetone	50	1.10	J	1.40	J	1	J	1.20	J	1.50	J	1.30	J	<1.00	U	2.60		<1.00	U	3.70		1.90	J	<1.00	U	<1.00	U	1.40	J
Acrolein	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Acrylonitrile	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Benzene	1	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**1.60**		<0.20	U	**3.20**		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**3.00**		<0.20	U	0.280	J

Table No. 4:
Groundwater Analytical Results Summary - January 21, 2022

Sample ID	Guidance Values	ASR-1		ASR-1 DUP		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		MW-19		MW-23	
Sampling Date		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Bromochloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Bromodichloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Bromoform	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Bromomethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Carbon disulfide	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Carbon tetrachloride	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Chlorobenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Chloroethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Chloroform	7	<0.20	U	<0.20	U	<0.20		<0.20	U	<0.20	U	0.48	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Chloromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
cis-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**28.0**	
cis-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Cyclohexane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.50		<0.20	U	3.70		<0.20	U	<0.20	U	<0.20	U	0.20	J	11.0		<0.20	U	<0.20	U
Dibromochloromethane	50	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Dibromomethane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Dichlorodifluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Ethyl Benzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.400		<0.20	U	0.72		<0.20	U	<0.20	U	<0.20	U	<0.20	U	2.10		0.350	J	<0.20	U
Hexachlorobutadiene	0.5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Isopropylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**11.0**		<0.20	U	2.500		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**52.0**		**11.0**		<0.20	U
Methyl acetate	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Methyl tert-butyl ether (MTBE)	10	0.68		0.75		<0.20	U	0.47	J	0.42	J	<0.20	U	2.700		<0.20	U	<0.20	U	0.37	J	<0.20	U	1.60		1		0.69	
Methylcyclohexane	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.86		<0.20	U	1.700		<0.20	U	<0.20	U	<0.20	U	<0.20	U	16.0		0.200	U	<0.20	U
Methylene chloride	5	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
n-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.00		<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**5.80**		**5.40**		<0.20	U
n-Propylbenzene	5	0.23	J	0.23	J	<0.20	U	<0.20	U	**22.0**		<0.20	U	1.40		<0.20	U	<0.20	U	<0.20	U	<0.20	U	**97.0**	D	**38.0**		0.24	J
o-Xylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.72		<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.45	J	0.37	J	<0.20	U
p- & m- Xylenes	~	<0.50	U	<0.50	U	<0.50	U	<0.20	U	0.63	J	<0.50	U	1.70		<0.50	U	<0.50	U	<0.50	U	<0.20	U	1.90		<0.50	U	<0.50	U
p-Isopropyltoluene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.380	J	<0.20	U
sec-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	1.40		<0.20	U	0.350	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**9.10**		**19.0**		<0.20	U
Styrene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.200	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U

Table No. 4:
Groundwater Analytical Results Summary - January 21, 2022

Sample ID	Guidance Values	ASR-1		ASR-1 DUP		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		MW-19		MW-23	
Sampling Date		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
tert-Butyl alcohol (TBA)	~	<0.50	U	<0.50	U	<0.50	U	<0.20	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.20	U	<0.50	U	<0.50	U	<0.50	U
tert-Butylbenzene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.30	J	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.68		0.740		<0.20	U
Tetrachloroethylene	5	<0.20	U	<0.20	U	0.92		<0.20	U	<0.20	U	0.97		<0.20	U	0.51		0.200	U	0.22	J	<0.20	U	<0.20	U	<0.20	U	**6.00**	
Toluene	5	1.60		1.50		1.40		0.90		1.40		1.50		3.70		2.00		1.70		0.20		1.90		2.10		0.960		1.20	
trans-1,2-Dichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	0.79	
trans-1,3-Dichloropropylene	0.4	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
trans-1,4-dichloro-2-butene	~	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Trichloroethylene	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**11.0**	
Trichlorofluoromethane	5	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U
Vinyl Chloride	2	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	**7.0**	
Xylenes, Total	5	<0.60	U	<0.60	U	<0.60	U	<0.60	U	0.63	J	<0.60	U	2.50		<0.60	U	<0.60	U	<0.60	U	<0.60	U	2.30		0.66	J	<0.60	U
Metals, Target Analyte, ICP	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.0		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Aluminum	~	257	B	231	B	131	B	2,640	B	1,070	B	460	B	233.0	B	1,220	B	559	B	3,070	B	377	B	884	B	250	B	1,310	B
Barium	1000	108		106		146		229		132		168		202.0		164		47.400		245		223		247		227		108	
Calcium	~	122,000	B	121,000	B	122,000	B	127,000	B	124,000	B	122,000	B	136,000	B	121,000	B	47,100	B	121,000	B	131,000	B	157,000	B	224,000	B	122,000	B
Chromium	50	<5.56	U	<5.56	U	<5.56	U	14.900		<5.56	U	13.4		<5.56	U	<5.56	U	6.650		8.48		<5.56	U	<5.56	U	<5.56	U	<5.56	U
Cobalt	~	<4.44	U	<4.44	U	<4.44	U	18.300		<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U	<4.44	U
Copper	200	<22.2	U	<22.2	U	<22.2	U	25.300		<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U	<22.2	U
Iron	~	295		297		431		20,600		2,610		1,730		5,540		3,750		1,300		5,630		13,800		11,500		3,960		982	
Lead	25	<5.56	U	<5.56	U	<5.56	U	**43.70**		9.170		<5.56	U	<5.56	U	19.50		12.3		23.9		15.0		<5.56	U	<5.56	U	<5.56	U
Magnesium	35000	**38,500**		**38,800**		**42,700**		13,900		**37,200**		**41,600**		34,900		**42,600**		5,420		**38,700**		**40,900**		**36,600**		**37,600**		**37,900**	
Manganese	300	92.2		91.9		11.2		**1,330**		**474**		49.2		**547**		104		59.400		**3,500**		**1,360**		**770**		**1,500**		109	
Nickel	100	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U
Potassium	~	7,960		8,140		5,570		10,700		6,790		5,640		10,600		5,400		9,700		6,740		7,340		15,900		13,000		8,050	
Silver	50	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	26.7		<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U	<5.56	U
Sodium	20000	**173,000**		**172,000**		**156,000**		**312,000**		**168,000**		**155,000**		**230,000**		**150,000**		**318,000**		**142,000**		**187,000**		**287,000**		**229,000**		**169,000**	
Vanadium	~	<11.1	U	<11.1	U	<11.1	U	14.300		<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U	<11.1	U
Zinc	2000	33.0		<27.8	U	35.1		177		59.1		27.8	U	27.9		53.9		61.0		32.3		37.9		29.5		<27.8	U	335	

Table No. 4:
Groundwater Analytical Results Summary - January 21, 2022

Sample ID	Guidance Values	ASR-1		ASR-1 DUP		ASR-2		ASR-3		ASR-4		ASR-5		ASR-6		ASR-7		ASR-8		ASR-14		ASR-15		ASR-18		MW-19		MW-23	
Sampling Date		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022		01/21/2022	
Client Matrix		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Metals, Target Analyte, ICPMS	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Antimony	3	<1.11	U	<1.11	U	<1.11	U	1.28		<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Arsenic	25	<1.11	U	<1.11	U	<1.11	U	4.81		1.17		<1.11	U	<1.11	U	1.67		1.37		2.50		1.720		1.940		<1.11	U	<1.11	U
Beryllium	3	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U	<0.333	U
Cadmium	5	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U	<0.556	U
Selenium	10	6.26	B	5.24	B	7.12	B	**11.3**	B	9.760	B	7.71	B	6.13	B	8.450	B	5.24	B	6.83	B	6.65	B	5.17	B	7.33	B	5.24	B
Thallium	~	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U	<1.11	U
Mercury by 7470/7471	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Mercury	0.7	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U	<0.20	U

NOTES:
µg/L = ppb = parts per billion
Guidance Values = NYSDEC TOGS 1.1.1 – Table 1
BOLD Indicates Result Above Guidance Value

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
B=analyte found in the analysis batch blank
U=analyte not detected at or above the level indicated
D=result is from an analysis that required a dilution
~=this indicates that no regulatory limit has been established for this analyte

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
ASR-1	4/1/2011	30.28	8.10	22.18	14.7	1.07	3.78	6.71	30.2	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		7.74	22.54	<MDL	0.25	<MDL	<MDL	6.3	0.73	<MDL	<MDL	0.69	0.72
	4/20/2015		7.22	23.06	4.00	<MDL	<MDL	0.71	5.7	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		7.74	22.54	<MDL	0.40	<MDL	<MDL	9.6	<MDL	<MDL	<MDL	<MDL	<MDL
	10/21/2015		8.06	22.22	<MDL	<MDL	<MDL	<MDL	6.6	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		7.98	22.30	<MDL	0.52	<MDL	<MDL	6.6	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		8.01	22.27	<MDL	0.58	<MDL	<MDL	7.2	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		7.99	22.29	<MDL	1.70	0.33	1.50	5.1	<MDL	<MDL	<MDL	<MDL	<MDL
	11/11/2016		8.14	22.14	<MDL	1.20	<MDL	<MDL	5.1	<MDL	<MDL	<MDL	<MDL	<MDL
	1/31/2017		7.82	22.46	0.25	1.80	<MDL	<MDL	4.5	1.70	<MDL	<MDL	2.00	<MDL
	4/28/2017		7.89	22.39	<MDL	0.56	<MDL	<MDL	5.8	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2017		7.86	22.42	<MDL	1.60	<MDL	<MDL	5.4	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		8.14	22.14	<MDL	1.20	<MDL	<MDL	4.0	<MDL	<MDL	<MDL	<MDL	<MDL
	1/25/2018		7.75	22.53	<MDL	0.49	<MDL	<MDL	2.8	0.31	<MDL	<MDL	<MDL	<MDL
	7/26/2018		7.48	22.80	<MDL	1.60	<MDL	<MDL	6.1	<MDL	<MDL	<MDL	0.22	<MDL
	10/30/2018		7.76	22.52	<MDL	0.89	<MDL	<MDL	5.4	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		7.45	22.83	<MDL	0.95	0.23	1.70	4.50	0.36	<MDL	<MDL	<MDL	<MDL
	4/16/2019		7.83	22.45	<MDL	0.24	<MDL	<MDL	3.80	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		7.67	22.61	<MDL	1.10	<MDL	<MDL	4.60	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		7.72	22.56	0.45	<MDL	<MDL	<MDL	5.00	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		7.62	22.66	<MDL	0.24	<MDL	<MDL	3.10	0.33	<MDL	0.20	<MDL	<MDL
	4/29/2020		7.42	22.86	<MDL	0.92	<MDL	<MDL	4.30	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		8.75	21.53	<MDL	0.79	<MDL	<MDL	3.10	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		7.64	22.64	<MDL	1.90	<MDL	<MDL	3.50	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		7.71	22.57	<MDL	0.49	<MDL	<MDL	1.90	0.24	<MDL	<MDL	<MDL	<MDL
	4/29/2021		7.17	23.11	<MDL	0.61	<MDL	<MDL	3.20	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		7.25	23.03	<MDL	0.21	<MDL	<MDL	4.90	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		7.52	22.76	<MDL	0.80	<MDL	<MDL	3.60	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		7.44	22.84	<MDL	1.60	<MDL	<MDL	0.68	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-2	3/31/2011	32.60	8.00	24.60	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	1.78	<MDL	<MDL
	1/19/2015		8.08	24.52	<MDL	<MDL	<MDL	<MDL	0.21	<MDL	<MDL	1.10	<MDL	<MDL
	4/20/2015		7.88	24.72	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	7/15/2015		8.07	24.53	0.47	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	1.20	<MDL	<MDL
	10/21/2015		8.19	24.41	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		8.09	24.51	<MDL	0.23	<MDL	<MDL	<MDL	<MDL	<MDL	1.20	<MDL	<MDL
	4/18/2016		8.30	24.30	<MDL	0.42	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	7/29/2016		8.26	24.34	<MDL	0.70	<MDL	<MDL	<MDL	<MDL	<MDL	1.30	<MDL	<MDL
	11/11/2016		8.41	24.19	<MDL	0.95	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	1/31/2017		8.11	24.49	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/28/2017		8.14	24.46	<MDL	0.21	<MDL	<MDL	<MDL	<MDL	<MDL	1.40	<MDL	<MDL
	7/26/2017		7.90	24.70	1.60	0.90	1.30	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	10/27/2017		8.44	24.16	<MDL	0.60	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	1/25/2018		8.04	24.56	<MDL	0.48	<MDL	<MDL	<MDL	<MDL	<MDL	0.95	<MDL	<MDL
	7/26/2018		7.70	24.90	<MDL	2.10	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	10/30/2018		8.12	24.48	<MDL	0.44	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	1/30/2019		7.84	24.76	<MDL	2.30	0.60	3.70	<MDL	<MDL	<MDL	1.20	<MDL	<MDL
	4/16/2019		8.09	24.51	<MDL	0.42	<MDL	<MDL	<MDL	<MDL	<MDL	0.79	<MDL	<MDL
	8/29/2019		7.21	25.39	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
ASR-2	10/31/2019		8.00	24.60	<MDL	7.30	0.28	<MDL	<MDL	<MDL	<MDL	0.45	<MDL	<MDL
	1/30/2020		7.87	24.73	<MDL	0.29	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	4/29/2020		7.87	24.73	<MDL	0.53	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	7/31/2020		7.89	24.71	<MDL	0.91	<MDL	<MDL	<MDL	<MDL	<MDL	1.40	<MDL	<MDL
	10/23/2020		7.96	24.64	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	<MDL	0.89	<MDL	<MDL
	1/28/2021		8.07	24.53	<MDL	0.24	<MDL	<MDL	<MDL	<MDL	<MDL	0.71	<MDL	<MDL
	4/29/2021		7.57	25.03	<MDL	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	0.55	<MDL	<MDL
	7/28/2021		7.44	25.16	<MDL	0.72	<MDL	<MDL	<MDL	<MDL	<MDL	0.58	<MDL	<MDL
	10/19/2021		7.60	25.00	<MDL	1.30	<MDL	<MDL	<MDL	<MDL	<MDL	0.98	<MDL	<MDL
	1/21/2022		7.75	24.85	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	0.92	<MDL	<MDL
ASR-3	3/31/2011	34.49	11.19	23.30	<MDL	1.22	<MDL	<MDL	2.76	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		10.98	23.51	4.10	0.35	17.00	1.50	0.82	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		11.11	23.38	<MDL	<MDL	<MDL	<MDL	0.57	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		11.29	23.20	<MDL	0.39	<MDL	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL
	10/21/2015		11.81	22.68	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		10.41	24.08	<MDL	0.56	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		11.45	23.04	<MDL	0.90	<MDL	<MDL	0.92	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		11.23	23.26	<MDL	3.20	<MDL	<MDL	0.74	<MDL	<MDL	<MDL	<MDL	<MDL
	11/11/2016		11.84	22.65	<MDL	1.60	<MDL	<MDL	0.75	<MDL	<MDL	<MDL	<MDL	<MDL
	1/31/2017		11.39	23.10	<MDL	8.80	0.32	0.58	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/28/2017		11.34	23.15	<MDL	1.70	<MDL	0.82	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2017		11.48	23.01	<MDL	10.00	0.41	1.20	0.83	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		11.85	22.64	<MDL	9.90	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/25/2018		11.41	23.08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		10.92	23.57	<MDL	2.20	<MDL	<MDL	0.64	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		11.32	23.17	<MDL	1.70	<MDL	<MDL	0.39	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		10.92	23.57	<MDL	2.00	0.47	2.80	1.10	<MDL	<MDL	<MDL	<MDL	<MDL
	4/16/2019		11.29	23.20	<MDL	2.20	<MDL	<MDL	0.81	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		10.81	23.68	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		10.96	23.53	<MDL	1.30	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		10.58	23.91	<MDL	2.00	0.20	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		10.67	23.82	<MDL	0.84	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		11.02	23.47	<MDL	1.80	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		11.22	23.27	<MDL	2.50	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	1/28/2021		11.12	23.37	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		10.51	23.98	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		10.64	23.85	<MDL	2.50	<MDL	<MDL	0.34	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		10.96	23.53	<MDL	2.50	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		10.72	23.77	<MDL	0.90	<MDL	<MDL	0.47	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-4	4/1/2011	32.41	9.94	22.47	22.10	<MDL	118.00	111.87	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		9.68	22.73	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		9.51	22.90	3.20	<MDL	18.00	0.72	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		9.60	22.81	3.90	0.60	24.00	4.60	0.39	<MDL	<MDL	<MDL	<MDL	<MDL
	10/21/2015		10.13	22.28	<MDL	<MDL	3.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		6.01	26.40	4.00	0.55	12.00	0.60	1.10	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		10.01	22.40	<MDL	0.68	8.20	<MDL	0.78	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		9.34	23.07	2.50	<MDL	5.60	0.60	1.20	<MDL	<MDL	<MDL	<MDL	<MDL
	11/11/2016		10.25	22.16	2.00	1.10	4.30	0.70	0.64	<MDL	<MDL	<MDL	<MDL	<MDL
	1/31/2017		9.88	22.53	2.80	1.70	5.90	1.80	0.88	<MDL	<MDL	<MDL	<MDL	<MDL
	4/28/2017		9.51	22.90	2.80	1.70	4.90	0.67	0.66	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2017		9.43	22.98	1.60	2.00	1.40	<MDL	0.50	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		10.24	22.17	<MDL	1.80	0.34	<MDL	0.57	<MDL	<MDL	<MDL	<MDL	<MDL
	1/25/2018		9.63	22.78	1.10	0.55	0.70	<MDL	0.84	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		9.47	22.94	<MDL	1.40	0.27	<MDL	0.23	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		9.10	23.31	2.00	1.10	1.40	<MDL	0.95	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		9.43	22.98	2.50	2.80	1.60	4.30	0.61	<MDL	<MDL	<MDL	<MDL	<MDL
	4/16/2019		9.48	22.93	2.00	0.41	1.00	<MDL	0.39	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		9.66	22.75	1.20	1.10	0.70	<MDL	0.44	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		9.67	22.74	1.50	1.00	1.40	0.76	0.68	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		9.44	22.97	1.50	0.80	0.76	0.73	0.53	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		9.42	22.99	1.40	0.50	0.75	<MDL	0.37	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		9.80	22.61	1.10	1.10	0.68	<MDL	0.59	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		9.63	22.78	1.70	3.30	0.90	<MDL	0.50	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		9.64	22.77	1.30	0.29	0.69	<MDL	0.41	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		8.99	23.42	1.40	0.52	1.20	<MDL	0.32	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		9.23	23.18	1.80	1.20	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		9.53	22.88	1.20	1.00	2.90	1.60	0.61	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		9.39	23.02	1.60	1.40	1.40	0.63	0.42	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-5	3/31/2011	31.87	7.98	23.89	1.28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	2.00	<MDL	<MDL
	1/19/2015		8.06	23.81	1.50	0.21	0.36	<MDL	2.80	<MDL	<MDL	1.10	<MDL	<MDL
	4/20/2015		7.89	23.98	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.97	<MDL	<MDL
	7/15/2015		7.93	23.94	0.27	0.34	<MDL	<MDL	1.20	<MDL	<MDL	1.20	<MDL	<MDL
	10/21/2015		8.25	23.62	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	1/6/2016		8.63	23.24	<MDL	0.32	<MDL	<MDL	0.55	<MDL	<MDL	1.30	<MDL	<MDL
	4/18/2016		8.95	22.92	<MDL	0.59	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	7/29/2016		8.87	23.00	3.70	7.40	0.52	2.60	10.00	<MDL	<MDL	1.20	<MDL	<MDL
	11/11/2016		8.51	23.36	<MDL	1.10	<MDL	<MDL	0.82	<MDL	<MDL	1.10	<MDL	<MDL
	1/31/2017		8.49	23.38	0.66	2.40	<MDL	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	<MDL
	4/28/2017		8.36	23.51	1.30	0.30	<MDL	<MDL	3.50	<MDL	<MDL	1.30	<MDL	<MDL
	7/26/2017		8.18	23.69	0.95	1.00	1.40	<MDL	0.42	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		8.57	23.30	<MDL	1.80	<MDL	<MDL	0.37	<MDL	<MDL	1.00	<MDL	<MDL
	1/25/2018		8.38	23.49	<MDL	0.64	<MDL	<MDL	0.35	<MDL	<MDL	1.00	<MDL	<MDL
	7/26/2018		8.13	23.74	<MDL	2.40	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	10/30/2018		8.13	23.74	0.25	1.90	<MDL	<MDL	1.20	<MDL	<MDL	0.91	<MDL	<MDL
	1/30/2019		8.12	23.75	0.28	2.90	0.81	5.10	<MDL	<MDL	<MDL	1.20	<MDL	<MDL
	4/16/2019		8.32	23.55	<MDL	0.49	<MDL	<MDL	<MDL	<MDL	<MDL	0.81	<MDL	<MDL
ASR-5	8/29/2019		8.32	23.55	0.47	1.20	<MDL	<MDL	1.10	<MDL	<MDL	1.10	<MDL	<MDL
	10/31/2019		8.40	23.47	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	1/30/2020		8.19	23.68	1.10	2.60	0.41	1.80	1.80	<MDL	<MDL	1.00	<MDL	<MDL
	4/29/2020		8.23	23.64	<MDL	0.73	<MDL	<MDL	0.40	<MDL	<MDL	1.10	<MDL	<MDL
	7/31/2020		8.45	23.42	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	10/23/2020		8.21	23.66	<MDL	4.10	<MDL	<MDL	<MDL	<MDL	<MDL	0.78	<MDL	<MDL
	1/28/2021		8.45	23.42	<MDL	0.28	<MDL	<MDL	<MDL	<MDL	<MDL	0.72	<MDL	<MDL
	4/29/2021		7.90	23.97	0.61	1.40	<MDL	0.79	1.20	<MDL	<MDL	0.61	<MDL	<MDL
	7/28/2021		7.97	23.90	0.30	0.74	<MDL	<MDL	0.62	<MDL	<MDL	0.61	<MDL	<MDL
	10/19/2021		7.99	23.88	<MDL	0.66	<MDL	<MDL	<MDL	<MDL	<MDL	0.88	<MDL	<MDL
	1/21/2022		8.13	23.74	<MDL	1.50	<MDL	<MDL	<MDL	<MDL	<MDL	0.97	<MDL	<MDL
ASR-6	4/1/2011	27.34	5.37	21.97	204.00	<MDL	<MDL	<MDL	7.81	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		5.51	21.83	23.00	0.42	0.62	<MDL	4.00	5.00	<MDL	<MDL	<MDL	7.5
	4/20/2015		5.40	21.94	40.00	0.64	2.20	<MDL	4.10	6.20	<MDL	<MDL	<MDL	11.00
	7/15/2015		5.60	21.74	36.00	0.58	<MDL	<MDL	5.70	8.10	<MDL	<MDL	<MDL	16.00
	10/21/2015		5.83	21.51	28.00	<MDL	<MDL	<MDL	4.90	6.10	<MDL	<MDL	<MDL	20.00
	1/6/2016		5.69	21.65	26.00	0.45	0.41	1.10	5.30	<MDL	<MDL	<MDL	<MDL	1.20
	4/18/2016		5.69	21.65	39.00	0.73	0.40	<MDL	4.80	4.70	<MDL	<MDL	<MDL	<MDL
	7/29/2016		5.83	21.51	24.00	1.40	<MDL	<MDL	4.30	2.30	0.39	<MDL	<MDL	9.60
	11/11/2016		5.97	21.37	7.30	1.10	<MDL	<MDL	4.10	0.21	0.33	<MDL	<MDL	1.40
	1/31/2017		5.61	21.73	21.00	2.00	0.79	0.55	4.40	1.90	0.34	<MDL	1.30	3.40
	4/28/2017		5.60	21.74	35.00	0.43	0.61	0.60	5.10	3.00	0.38	0.23	3.60	6.30
	7/26/2017		5.66	21.68	5.70	1.30	<MDL	<MDL	4.80	1.00	0.34	<MDL	1.50	3.00
	10/27/2017		6.00	21.34	1.70	0.80	<MDL	<MDL	4.60	<MDL	<MDL	<MDL	<MDL	0.84
	1/25/2018		5.58	21.76	7.40	0.40	<MDL	<MDL	5.30	<MDL	0.24	<MDL	<MDL	0.49
	7/26/2018		5.28	22.06	4.20	1.10	<MDL	<MDL	5.60	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		5.47	21.87	1.90	0.62	<MDL	<MDL	6.10	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		5.14	22.20	2.90	0.90	0.23	2.70	5.00	<MDL	<MDL	<MDL	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	4/16/2019		5.00	22.34	7.70	0.74	<MDL	0.62	3.70	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		5.54	21.80	0.47	3.40	0.24	<MDL	2.90	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		5.47	21.87	1.20	1.30	<MDL	<MDL	4.20	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		5.40	21.94	4.30	0.27	0.76	<MDL	4.00	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		5.18	22.16	8.90	0.62	0.82	<MDL	3.50	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		5.50	21.84	0.94	0.33	<MDL	0.74	3.30	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		5.36	21.98	1.40	1.20	<MDL	<MDL	3.00	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		5.45	21.89	8.60	0.51	1.10	1.20	3.40	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		4.88	22.46	14.0	1.00	1.10	<MDL	3.00	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		5.05	22.29	1.90	0.60	<MDL	<MDL	3.50	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		5.48	21.86	1.30	0.94	<MDL	<MDL	3.90	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		5.20	22.14	3.20	3.70	0.72	2.50	2.70	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-7	3/31/2011	28.65	6.68	21.97	19.10	26.10	68.40	240.40	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		6.30	22.35	<MDL	<MDL	0.26	<MDL	<MDL	<MDL	<MDL	0.59	<MDL	<MDL
	4/20/2015		6.21	22.44	0.62	0.78	8.60	26.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		6.25	22.40	<MDL	0.66	0.72	3.70	<MDL	<MDL	<MDL	0.67	<MDL	<MDL
	10/21/2015		6.64	22.01	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		6.46	22.19	<MDL	0.53	<MDL	<MDL	<MDL	<MDL	<MDL	0.58	<MDL	<MDL
	4/18/2016		6.49	22.16	<MDL	0.40	<MDL	<MDL	<MDL	<MDL	<MDL	0.50	<MDL	<MDL
	7/29/2016		6.58	22.07	0.53	0.77	0.75	<MDL	<MDL	<MDL	<MDL	0.61	<MDL	<MDL
	11/11/2016		6.71	21.94	<MDL	0.68	<MDL	<MDL	<MDL	0.21	<MDL	0.47	<MDL	<MDL
	1/31/2017		6.41	22.24	<MDL	1.50	<MDL	<MDL	<MDL	<MDL	<MDL	0.60	<MDL	<MDL
	4/28/2017		6.48	22.17	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.73	<MDL	<MDL
	7/26/2017		6.41	22.24	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	0.79	<MDL	<MDL
	10/27/2017		6.74	21.91	<MDL	0.89	<MDL	<MDL	<MDL	0.22	<MDL	0.41	<MDL	<MDL
	1/25/2018		6.39	22.26	<MDL	0.40	<MDL	<MDL	<MDL	<MDL	<MDL	0.39	<MDL	<MDL
	7/26/2018		5.90	22.75	<MDL	1.80	<MDL	<MDL	<MDL	<MDL	<MDL	0.74	<MDL	<MDL
	10/30/2018		6.29	22.36	<MDL	0.73	<MDL	<MDL	<MDL	<MDL	<MDL	0.54	<MDL	<MDL
	1/30/2019		5.93	22.72	<MDL	1.50	0.39	2.40	<MDL	<MDL	<MDL	0.55	<MDL	<MDL
	4/16/2019		6.22	22.43	<MDL	0.66	<MDL	<MDL	<MDL	<MDL	<MDL	0.33	<MDL	<MDL
	8/29/2019		6.17	22.48	<MDL	0.59	<MDL	<MDL	<MDL	<MDL	<MDL	0.38	<MDL	<MDL
	10/31/2019		6.19	22.46	<MDL	1.50	<MDL	<MDL	<MDL	<MDL	<MDL	0.71	<MDL	<MDL
	1/30/2020		5.88	22.77	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.63	<MDL	<MDL
	4/29/2020		5.91	22.74	<MDL	0.75	<MDL	<MDL	<MDL	<MDL	<MDL	0.63	<MDL	<MDL
	7/31/2020		6.09	22.56	<MDL	0.72	<MDL	<MDL	<MDL	<MDL	<MDL	0.51	<MDL	<MDL
	10/23/2020		5.95	22.70	<MDL	1.80	<MDL	<MDL	<MDL	<MDL	<MDL	0.67	<MDL	<MDL
	1/28/2021		6.21	22.44	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.44	<MDL	<MDL
	4/29/2021		5.65	23.00	4.50	0.78	3.80	3.30	0.32	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		5.79	22.86	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.21	<MDL	<MDL
	10/19/2021		5.98	22.67	<MDL	0.94	<MDL	<MDL	<MDL	<MDL	<MDL	0.37	<MDL	<MDL
	1/21/2022		5.77	22.88	<MDL	2.00	<MDL	<MDL	<MDL	<MDL	<MDL	0.51	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
ASR-8	4/1/2011	29.98	6.10	23.88	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	1.94	<MDL	<MDL
	1/19/2015		6.27	23.71	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	4/20/2015		5.90	24.08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		6.23	23.75	<MDL	0.65	<MDL	<MDL	<MDL	<MDL	<MDL	0.77	<MDL	<MDL
	10/21/2015		6.53	23.45	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		6.40	23.58	<MDL	0.29	<MDL	<MDL	<MDL	<MDL	<MDL	1.30	<MDL	<MDL
	4/18/2016		6.49	23.49	<MDL	0.35	<MDL	<MDL	<MDL	<MDL	<MDL	0.70	<MDL	<MDL
	7/29/2016		6.57	23.41	<MDL	0.85	<MDL	<MDL	<MDL	<MDL	<MDL	0.79	<MDL	<MDL
	11/11/2016		6.60	23.38	<MDL	0.62	<MDL	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL
	1/31/2017		6.12	23.86	<MDL	0.96	<MDL	0.22	<MDL	<MDL	<MDL	0.93	<MDL	<MDL
	4/28/2017		6.35	23.63	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2017		6.37	23.61	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	0.80	<MDL	<MDL
	10/27/2017		6.65	23.33	<MDL	1.30	<MDL	<MDL	<MDL	<MDL	<MDL	1.10	<MDL	<MDL
	1/25/2018		6.31	23.67	<MDL	0.38	<MDL	<MDL	<MDL	<MDL	<MDL	0.55	<MDL	<MDL
	7/26/2018		5.81	24.17	<MDL	2.10	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		6.26	23.72	<MDL	1.30	<MDL	<MDL	<MDL	<MDL	<MDL	0.57	<MDL	<MDL
	1/30/2019		6.00	23.98	0.20	3.30	0.92	4.90	<MDL	<MDL	<MDL	0.52	<MDL	<MDL
ASR-8	4/16/2019		6.14	23.84	<MDL	0.45	<MDL	<MDL	<MDL	<MDL	<MDL	0.41	<MDL	<MDL
	8/29/2019		6.23	23.75	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	0.53	<MDL	<MDL
	10/31/2019		6.22	23.76	<MDL	1.10	<MDL	<MDL	<MDL	<MDL	<MDL	0.21	<MDL	<MDL
	1/30/2020		5.92	24.06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.69	<MDL	<MDL
	4/29/2020		6.02	23.96	<MDL	0.26	<MDL	<MDL	<MDL	<MDL	<MDL	0.84	<MDL	<MDL
	7/31/2020		6.13	23.85	<MDL	0.93	<MDL	<MDL	<MDL	<MDL	<MDL	0.49	<MDL	<MDL
	10/23/2020		6.03	23.95	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		6.20	23.78	<MDL	0.59	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		5.80	24.18	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		5.92	24.06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		5.91	24.07	<MDL	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	0.37	<MDL	<MDL
	1/21/2022		5.78	24.20	<MDL	1.70	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-14	3/31/2011	31.39	8.66	22.73	<MDL	2.35	<MDL	<MDL	1.39	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		8.75	22.64	<MDL	0.44	<MDL	<MDL	0.72	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		8.53	22.86	<MDL	0.73	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		8.90	22.49	<MDL	0.42	<MDL	<MDL	0.30	<MDL	<MDL	0.28	<MDL	<MDL
	10/21/2015		9.30	22.09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		9.19	22.20	<MDL	1.30	<MDL	<MDL	1.20	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		9.02	22.37	<MDL	0.75	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		9.29	22.10	<MDL	2.20	<MDL	<MDL	0.32	<MDL	<MDL	<MDL	<MDL	<MDL
	11/11/2016		9.41	21.98	<MDL	2.30	<MDL	<MDL	0.75	<MDL	<MDL	0.26	<MDL	<MDL
	1/31/2017		9.00	22.39	<MDL	5.30	<MDL	<MDL	0.21	<MDL	<MDL	0.21	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	4/28/2017		9.09	22.30	<MDL	0.27	<MDL	<MDL	0.28	<MDL	<MDL	0.40	<MDL	<MDL
	7/26/2017		8.69	22.70	0.81	1.40	0.66	<MDL	<MDL	<MDL	<MDL	0.80	<MDL	<MDL
	10/27/2017		9.40	21.99	<MDL	1.90	<MDL	<MDL	0.64	<MDL	<MDL	0.27	<MDL	<MDL
	1/25/2018		9.00	22.39	<MDL	0.63	<MDL	<MDL	0.63	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		8.58	22.81	<MDL	1.60	<MDL	<MDL	0.26	<MDL	<MDL	0.45	<MDL	<MDL
	10/30/2018		8.96	22.43	<MDL	2.20	<MDL	<MDL	0.44	0.24	<MDL	0.30	<MDL	<MDL
	1/30/2019		8.36	23.03	<MDL	6.00	1.60	12.00	0.21	0.51	<MDL	0.52	<MDL	<MDL
	4/16/2019		8.81	22.58	<MDL	1.80	<MDL	<MDL	0.34	<MDL	<MDL	0.33	<MDL	<MDL
	8/29/2019		8.83	22.56	<MDL	1.20	<MDL	<MDL	0.31	<MDL	<MDL	0.49	<MDL	<MDL
	10/31/2019		8.77	22.62	<MDL	4.90	<MDL	<MDL	0.82	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		8.85	22.54	<MDL	0.51	<MDL	0.22	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		8.48	22.91	<MDL	0.58	<MDL	<MDL	<MDL	<MDL	<MDL	0.36	<MDL	<MDL
	7/31/2020		8.84	22.55	<MDL	1.90	<MDL	<MDL	0.24	<MDL	<MDL	0.49	<MDL	<MDL
	10/23/2020		8.83	22.56	<MDL	2.80	<MDL	<MDL	0.44	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		8.82	22.57	<MDL	0.65	<MDL	<MDL	0.48	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		8.15	23.24	<MDL	0.88	<MDL	<MDL	0.35	<MDL	<MDL	0.26	<MDL	<MDL
	7/28/2021		8.33	23.06	<MDL	1.90	<MDL	<MDL	<MDL	<MDL	<MDL	0.20	<MDL	<MDL
	10/19/2021		8.58	22.81	<MDL	2.30	<MDL	<MDL	<MDL	<MDL	<MDL	0.32	<MDL	<MDL
	1/21/2022		8.51	22.88	<MDL	3.30	<MDL	<MDL	0.37	<MDL	<MDL	0.22	<MDL	<MDL
ASR-15	3/31/2011	31.23	7.94	23.29	1.40	1.09	2.25	1.12	1.59	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		8.72	22.51	<MDL	0.23	<MDL	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		8.65	22.58	<MDL	1.50	1.00	<MDL	0.86	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		8.66	22.57	<MDL	0.42	<MDL	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL
	10/21/2015		9.05	22.18	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		9.00	22.23	<MDL	0.31	<MDL	<MDL	1.20	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		8.98	22.25	<MDL	0.46	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		9.14	22.09	<MDL	1.20	<MDL	<MDL	0.95	<MDL	<MDL	<MDL	<MDL	<MDL
	11/11/2016		9.18	22.05	<MDL	1.30	<MDL	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL
	1/31/2017		8.83	22.40	<MDL	1.20	<MDL	<MDL	0.87	<MDL	<MDL	<MDL	<MDL	<MDL
	4/28/2017		8.87	22.36	<MDL	<MDL	<MDL	<MDL	0.53	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2017		8.95	22.28	0.88	1.10	0.63	<MDL	0.39	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		9.12	22.11	<MDL	1.40	<MDL	<MDL	0.58	<MDL	<MDL	<MDL	<MDL	<MDL
	1/25/2018		8.71	22.52	<MDL	0.40	<MDL	<MDL	0.82	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		8.46	22.77	<MDL	1.80	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		8.73	22.50	<MDL	0.76	<MDL	<MDL	0.79	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		8.50	22.73	<MDL	1.00	0.32	1.90	0.72	<MDL	<MDL	<MDL	<MDL	<MDL
	4/16/2019		8.79	22.44	<MDL	0.34	<MDL	<MDL	0.53	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		8.62	22.61	<MDL	0.95	<MDL	<MDL	0.61	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		8.70	22.53	<MDL	0.63	<MDL	<MDL	0.81	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		8.89	22.34	<MDL	<MDL	<MDL	<MDL	0.26	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		9.44	21.79	<MDL	0.37	<MDL	<MDL	0.48	<MDL	<MDL	<MDL	<MDL	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	7/31/2020		8.72	22.51	<MDL	1.70	<MDL	<MDL	0.36	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		8.69	22.54	<MDL	2.40	<MDL	<MDL	0.37	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		8.65	22.58	<MDL	0.30	<MDL	<MDL	0.70	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		8.13	23.10	<MDL	0.37	<MDL	<MDL	0.65	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		8.19	23.04	<MDL	1.40	<MDL	<MDL	0.88	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		8.50	22.73	<MDL	0.54	<MDL	<MDL	0.73	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		8.41	22.82	<MDL	1.90	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-18	4/1/2011	26.95	5.21	21.74	83.40	2.13	73.60	48.32	5.96	4.59	<MDL	<MDL	<MDL	8.48
	1/19/2015		5.27	21.68	8.80	<MDL	3.70	<MDL	3.60	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		5.20	21.75	11.00	<MDL	63.00	17.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/15/2015		5.40	21.55	4.40	0.41	5.20	1.40	3.40	0.49	<MDL	<MDL	<MDL	1.10
	10/21/2015		5.70	21.25	<MDL	<MDL	<MDL	<MDL	3.00	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		5.50	21.45	10.00	0.68	1.50	0.79	4.50	0.25	0.25	<MDL	<MDL	0.61
	4/18/2016		5.48	21.47	0.93	1.50	0.77	0.83	2.60	<MDL	<MDL	<MDL	<MDL	<MDL
	7/29/2016		5.47	21.48	1.20	1.20	0.31	1.80	2.90	0.23	<MDL	<MDL	<MDL	<MDL
	11/11/2016		5.72	21.23	3.20	0.89	0.47	0.99	3.30	0.22	<MDL	<MDL	<MDL	0.47
	1/31/2017		5.37	21.58	5.90	1.80	7.80	2.50	3.50	<MDL	<MDL	<MDL	<MDL	0.40
	4/28/2017		5.45	21.50	7.70	1.40	48.00	16.00	2.90	<MDL	<MDL	<MDL	<MDL	0.37
	7/26/2017		5.42	21.53	2.30	7.40	2.00	1.60	2.50	<MDL	<MDL	<MDL	<MDL	<MDL
	10/27/2017		5.76	21.19	2.00	1.20	0.47	1.40	2.50	<MDL	<MDL	<MDL	<MDL	0.26
	1/25/2018		5.40	21.55	3.90	1.40	12.00	3.70	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		5.06	21.89	<MDL	1.50	0.60	1.40	2.60	<MDL	<MDL	<MDL	0.38	<MDL
	10/30/2018		5.37	21.58	4.20	1.40	1.40	3.00	2.40	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		4.92	22.03	5.40	2.10	13.00	6.10	1.90	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-18	4/16/2019		5.39	21.56	2.70	1.20	57.00	9.70	1.20	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		5.22	21.73	1.60	0.96	1.10	3.10	1.70	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		5.30	21.65	4.30	1.30	2.00	4.10	2.40	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		5.17	21.78	3.50	0.91	16.00	2.70	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		4.94	22.01	1.70	0.89	11.00	2.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		5.28	21.67	2.40	1.40	1.40	3.30	1.80	<MDL	<MDL	<MDL	<MDL	<MDL
	10/23/2020		5.09	21.86	3.00	2.20	1.80	3.80	1.10	<MDL	<MDL	<MDL	<MDL	<MDL
	1/28/2021		5.19	21.76	3.90	1.20	5.50	3.60	1.30	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		4.64	22.31	3.60	<MDL	26.00	5.70	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		4.80	22.15	2.00	1.50	1.60	2.50	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		5.07	21.88	3.00	1.50	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/21/2022		4.97	21.98	3.00	2.10	2.10	2.30	1.60	<MDL	<MDL	<MDL	<MDL	<MDL
ASR-19	4/1/2011	26.03	5.02	21.01	2.57	<MDL	8.33	1.12	3.11	<MDL	<MDL	<MDL	<MDL	<MDL
	1/19/2015		5.11	20.92	0.92	<MDL	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/20/2015		5.07	20.96	0.52	<MDL	3.10	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.63

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	7/15/2015		5.30	20.73	0.88	0.67	0.29	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	0.94
	10/21/2015		5.55	20.48	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/6/2016		5.42	20.61	<MDL	0.43	<MDL	<MDL	2.30	<MDL	<MDL	<MDL	<MDL	<MDL
	4/18/2016		5.40	20.63	No Sample Collected Due to Pump Failure									
	7/29/2016		5.42	20.61	0.85	0.81	<MDL	<MDL	1.60	<MDL	<MDL	<MDL	<MDL	0.46
	11/11/2016		5.63	20.40	<MDL	0.79	<MDL	<MDL	1.90	<MDL	<MDL	<MDL	<MDL	0.75
	1/31/2017		5.32	20.71	<MDL	0.97	1.10	<MDL	1.90	<MDL	<MDL	<MDL	<MDL	0.60
	4/28/2017		5.35	20.68	<MDL	<MDL	4.40	<MDL	<MDL	0.20	<MDL	0.57	<MDL	1.10
	7/26/2017		5.30	20.73	0.98	0.85	0.68	<MDL	1.10	0.21	<MDL	<MDL	<MDL	0.82
	10/27/2017		5.69	20.34	4.20	0.97	0.43	0.57	1.60	<MDL	<MDL	<MDL	<MDL	0.54
	1/25/2018		5.28	20.75	<MDL	0.34	<MDL	<MDL	2.20	<MDL	<MDL	<MDL	<MDL	<MDL
	7/26/2018		4.94	21.09	<MDL	1.60	1.40	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/30/2018		5.33	20.70	<MDL	0.50	<MDL	<MDL	1.50	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2019		4.94	21.09	<MDL	<MDL	<MDL	<MDL	1.00	<MDL	<MDL	<MDL	<MDL	<MDL
	4/16/2019		5.27	20.76	<MDL	0.48	0.28	<MDL	1.30	<MDL	<MDL	<MDL	<MDL	<MDL
	8/29/2019		5.17	20.86	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/31/2019		5.27	20.76	1.10	1.50	2.00	1.90	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	1/30/2020		5.04	20.99	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2020		4.87	21.16	<MDL	0.70	0.91	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/31/2020		5.17	20.86	<MDL	2.10	<MDL	<MDL	0.42	0.21	<MDL	<MDL	<MDL	<MDL
	10/23/2020		5.00	21.03	0.28	1.90	0.75	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.77
	1/28/2021		5.15	20.88	<MDL	<MDL	0.39	<MDL	0.67	<MDL	<MDL	<MDL	<MDL	<MDL
	4/29/2021		4.58	21.45	<MDL	<MDL	0.25	<MDL	0.53	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		4.74	21.29	<MDL	1.20	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	10/19/2021		5.05	20.98	0.49	0.96	0.63	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	0.28
	1/21/2022		4.97	21.06	<MDL	0.96	0.35	0.66	1.00	<MDL	<MDL	<MDL	<MDL	<MDL
MW-23	11/11/2016		8.46	N/A	<MDL	1.10	<MDL	0.47	0.46	100.00	1.00	3.50	3.20	23.00
	1/31/2017		8.12	N/A	0.54	2.00	<MDL	0.28	0.24	170.00	1.20	180.00	60.00	11.00
	4/28/2017		8.26	N/A	No Sample Collected Due to No Access									
	7/26/2017		8.16	N/A	No Sample Collected Due to Pump Failure									
	10/27/2017		8.44	N/A	0.47	0.71	<MDL	<MDL	4.00	22.00	0.83	4.20	2.20	7.40
	1/25/2018		8.00	N/A	<MDL	0.47	<MDL	<MDL	2.80	89.00	<MDL	3.30	5.60	17.00
	7/26/2018		7.77	N/A	<MDL	1.40	<MDL	<MDL	5.30	54.00	<MDL	1.10	1.30	17.00
	10/30/2018		8.06	N/A	<MDL	0.60	<MDL	<MDL	4.40	41.00	1.00	2.30	2.20	14.00
	1/30/2019		8.42	N/A	0.46	1.30	0.37	2.00	3.90	85.00	2.00	9.00	7.90	11.00
	4/16/2019		8.19	N/A	<MDL	<MDL	<MDL	<MDL	4.00	24.00	0.89	3.00	3.40	8.70
	8/29/2019		7.92	N/A	0.30	0.56	<MDL	<MDL	3.90	12.00	0.67	0.57	1.30	6.50
	10/31/2019		7.96	N/A	1.10	0.41	<MDL	<MDL	4.60	37.00	1.50	0.83	1.20	<MDL
	1/30/2020		7.87	N/A	0.32	0.21	<MDL	<MDL	2.60	26.00	1.30	3.00	4.10	12.00
	4/29/2020		7.72	N/A	0.34	0.56	<MDL	<MDL	3.80	43.00	4.50	2.90	4.50	<MDL

<MDL = Less Than Minimum Detection Limit

Table No. 5 - Selected Groundwater Quality Data Results

Site Name: 4566 Broadway Avenue (Nagle)
Site No.: C231054
Site Address: 4566 Broadway New York, NY 10040

Monitoring Well Gauging Data in feet (ft) | Quarterly Sampling Analytical Results in Parts Per Billion (ppb)

Well Number	Date	Well Elevation	Depth to Groundwater	Groundwater Elevation	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	cis-1,2 Dichlorethylene	trans-1,2-Dichlorthylene	Tetrachlorethylene	Trichloroethylene	Vinyl Chloride
	7/31/2020		8.01	N/A	0.42	2.00	0.22	<MDL	3.40	12.00	0.97	2.10	0.58	<MDL
	10/23/2020		7.90	N/A	0.20	1.30	<MDL	<MDL	2.80	17.00	0.80	0.43	1.50	11.00
	1/28/2021		7.96	N/A	0.33	0.68	<MDL	<MDL	1.80	21.00	1.50	2.00	5.10	9.60
	4/29/2021		7.43	N/A	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
	7/28/2021		7.52	N/A	<MDL	0.71	<MDL	<MDL	4.30	8.00	0.49	0.40	1.80	3.40
	10/19/2021		7.76	N/A	<MDL	0.81	<MDL	<MDL	3.10	9.10	0.46	<MDL	0.58	5.90
	1/21/2022		7.69	N/A	0.28	1.20	<MDL	<MDL	0.69	28.00	<MDL	6.00	11.00	7.00

<MDL = Less Than Minimum Detection Limit

Table No. 6:
Soil Vapor Point Sampling Log

Client Sample ID	Date Sampled	Purge Time	Initial Helium Reading	Time Summa® Canister Opened	Time Summa® Canister Closed	Ending Helium Reading
VP-1	2/09/2018	5 Minutes	0.0 ppm	12:55 pm	2:55 pm	0.0 ppm
VP-2	2/09/2018	5 Minutes	0.0 ppm	1:10 pm	3:10 pm	0.0 ppm
VP-3	2/09/2018	5 Minutes	0.0 ppm	8:28 am	10:28 am	0.0 ppm
VP-4	2/09/2018	5 Minutes	0.0 ppm	8:15 am	10:15 am	0.0 ppm
VP-5	2/09/2018	5 Minutes	0.0 ppm	12:35 pm	2:35 pm	0.0 ppm
VP-6	2/09/2018	5 Minutes	0.0 ppm	10:39 am	12:39 pm	0.0 ppm
VP-7	2/09/2018	5 Minutes	0.0 ppm	10:55 am	12:55 pm	0.0 ppm
VP-10	2/09/2018	5 Minutes	0.0 ppm	8:39 am	10:39 am	0.0 ppm
VP-11	2/09/2018	5 Minutes	0.0 ppm	10:20 am	12:20 pm	0.0 ppm
Ambient	2/09/2018			11:15 am	1:15 pm	
VP-1	4/16/2019	5 Minutes	0.0 ppm	10:20 am	12:20 pm	0.0 ppm
VP-2	4/16/2019	5 Minutes	0.0 ppm	10:12 am	12:12 pm	0.0 ppm
VP-3	4/16/2019	5 Minutes	0.0 ppm	8:10 am	10:10 am	0.0 ppm
VP-4	4/16/2019	5 Minutes	0.0 ppm	10:25 am	12:25 pm	0.0 ppm
VP-5	4/16/2019	5 Minutes	0.0 ppm	8:15 am	10:15 am	0.0 ppm
VP-6	4/16/2019	5 Minutes	0.0 ppm	12:30 pm	2:30 pm	0.0 ppm
VP-7	4/16/2019	5 Minutes	0.0 ppm	12:35 pm	2:35 pm	0.0 ppm
VP-10	4/16/2019	5 Minutes	0.0 ppm	8:05 am	10:05 am	0.0 ppm
VP-11	4/16/2019	5 Minutes	0.0 ppm	12:15 pm	2:15 pm	0.0 ppm
Ambient	4/16/2019			10:15 am	12:15 pm	
VP-1	2/27/2020	5 Minutes	0.0 ppm	9:35 am	11:35 am	0.0 ppm
VP-2	2/27/2020	5 Minutes	0.0 ppm	9:30 am	11:30 am	0.0 ppm
VP-3	2/27/2020	5 Minutes	0.0 ppm	9:25 am	11:25 am	0.0 ppm
VP-4	2/27/2020	5 Minutes	0.0 ppm	7:25 am	9:25 am	0.0 ppm
VP-5	2/27/2020	5 Minutes	0.0 ppm	12:15 pm	2:15 pm	0.0 ppm
VP-6	2/27/2020	5 Minutes	0.0 ppm	12:00 pm	2:00 pm	0.0 ppm
VP-7	2/27/2020	5 Minutes	0.0 ppm	11:45 am	1:45 pm	0.0 ppm
VP-10	2/27/2020	5 Minutes	0.0 ppm	7:15 am	9:15 am	0.0 ppm
VP-11	2/27/2020	5 Minutes	0.0 ppm	7:20 am	9:20 am	0.0 ppm
Ambient	2/27/2020			10:00 am	12:00 pm	
VP-1	9/10/2020	5 Minutes	0.0 ppm	8:23 am	10:23 am	0.0 ppm
VP-2	9/10/2020	5 Minutes	0.0 ppm	8:27 am	10:27 am	0.0 ppm
VP-3	9/10/2020	5 Minutes	0.0 ppm	10:48 am	12:48 pm	0.0 ppm
VP-4	9/10/2020	5 Minutes	0.0 ppm	10:53 am	12:53 pm	0.0 ppm
VP-5	9/10/2020	5 Minutes	0.0 ppm	1:15 pm	3:15 pm	0.0 ppm
VP-6	9/10/2020	5 Minutes	0.0 ppm	1:20 pm	3:20 pm	0.0 ppm
VP-7	9/10/2020	5 Minutes	0.0 ppm	10:58 am	3:32 pm	0.0 ppm
VP-10	9/10/2020	5 Minutes	0.0 ppm	1:25 am	3:25 pm	0.0 ppm
VP-11	9/10/2020	5 Minutes	0.0 ppm	8:31 am	10:31 am	0.0 ppm
Ambient	9/10/2020			10:15 am	12:15 pm	
VP-1	3/28/2022	5 Minutes	0.0 ppm	8:40 am	9:29 am	0.0 ppm
VP-2	3/28/2022	5 Minutes	0.0 ppm	8:23 am	10:23 am	0.0 ppm
VP-3	3/28/2022	5 Minutes	0.0 ppm	8:15 am	10:10 am	0.0 ppm
VP-4	3/28/2022	5 Minutes	0.0 ppm	10:37 am	12:37 pm	0.0 ppm
VP-5	3/28/2022	5 Minutes	0.0 ppm	8:58 am	10:32 am	0.0 ppm
VP-6	3/28/2022	5 Minutes	0.0 ppm	10:02 am	12:02 pm	0.0 ppm

Table No. 6:
Soil Vapor Point Sampling Log

Client Sample ID	Date Sampled	Purge Time	Initial Helium Reading	Time Summa® Canister Opened	Time Summa® Canister Closed	Ending Helium Reading
VP-7	3/28/2022	5 Minutes	0.0 ppm	9:52 am	12:37 pm	0.0 ppm
VP-10	3/28/2022	5 Minutes	0.0 ppm	10:41 am	11:20 am	0.0 ppm
VP-11	3/28/2022	5 Minutes	0.0 ppm	9:26 am	11:26am	0.0 ppm
Ambient	3/28/2022			10:07 am	12:07 pm	

Notes: ppm = parts per million

Table No. 7:
Soil Vapor Analytical Results and Comparison with Previous Year for Volatile Organic Compounds via EPA Method TO-15

Client Sample ID	Ambient		VP-1		VP-2		VP-3		VP-4		VP-5		VP-6		VP-7		VP-10		VP-11	
Date Sampled	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.58	ND	ND	0.14	6.2	1.8	2.1	1.1	8.2	ND	5.0	0.80	11	1.8	----	1.9	1.0	0.13	ND	2.1
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	0.60	ND	0.60	ND	0.37	ND	ND	ND	1.3	3.0	0.59	----	ND	ND	ND	ND	0.72
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
2-Butanone	0.69	0.23	5.8	0.27	8.4	1.3	5.7	1.0	8.2	ND	15	0.83	2.9	1.6	----	2.2	3.5	0.16	6.8	1.9
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1.7	ND	9.3	ND	8.1	ND	8.0	ND	10	ND	ND	ND	5.7	ND	----	ND	1.8	ND	5.6	ND
Acetone	11	1.4	110	1.9	160	4.9	140	3.4	180	7.0	260	4.0	22	7.0	----	19	77	1.2	110	7.9
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Benzene	0.75	0.20	7.0	0.15	3.0	ND	9.4	ND	4.5	ND	6.5	0.17	.71	ND	----	ND	1.8	0.19	2.6	2.6
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND

Table No. 7:
Soil Vapor Analytical Results and Comparison with Previous Year for Volatile Organic Compounds via EPA Method TO-15

Client Sample ID	Ambient		VP-1		VP-2		VP-3		VP-4		VP-5		VP-6		VP-7		VP-10		VP-11	
Date Sampled	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22	9/10/20	3/28/22
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	1.3	ND	ND	ND
Carbon disulfide	ND	ND	2.6	ND	4.2	ND	7.1	ND	7.8	ND	12	ND	ND	ND	----	ND	2.0	ND	ND	ND
Carbon tetrachloride	0.57	0.061	ND	0.051	ND	0.046	.69	ND	ND	ND	1.5	0.040	ND	ND	----	ND	0.6	0.063	ND	0.084
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	0.33	ND	ND	390	0.58	5.3	0.17	----	ND	0.93	ND	ND	0.24
Chloromethane	1.8	0.61	ND	0.43	ND	ND	2.4	ND	1.9	ND	2.6	0.25	.64	0.2	----	1.7	2.2	0.43	ND	0.22
cis-1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	5.9	ND	ND	ND	----	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.7	0.64	ND	0.51	ND	0.46	2.5	0.52	3.5	ND	3.9	0.50	2.0	0.47	----	ND	2.3	0.44	ND	0.55
Ethyl acetate	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Ethyl Benzene	0.51	ND	19	0.13	29	0.84	16	0.59	110	ND	98	0.51	9.8	0.77	----	ND	8.9	ND	35	0.97
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Isopropanol	64	2.3	20	0.85	47	1.1	25	1.8	1400	11	99	0.98	9.0	1.3	----	11	49	0.98	11	1.5
Methyl Methacrylate	0.85	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	----	ND	1.3	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Methylene chloride	4.4	ND	19	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	----	ND	7.5	ND	ND	ND
n-Heptane	0.59	ND	5.9	ND	ND	ND	6.7	ND	3.2	ND	16	ND	ND	ND	----	ND	1.3	ND	ND	ND
n-Hexane	0.99	ND	6.4	ND	10	ND	7.4	ND	9.1	ND	63	ND	ND	ND	----	ND	2.8	ND	4.3	4.3
o-Xylene	0.59	ND	3.6	ND	5.5	0.31	3.2	0.22	19	ND	18	0.37	4.0	0.30	----	ND	2.3	ND	7.7	0.4
p- & m- Xylenes	1.7	ND	13	ND	18	0.87	11	0.62	72	ND	64	0.63	8.6	0.83	----	ND	7.5	ND	26	1.1
p-Ethyltoluene	0.44	ND	ND	0.15	5.8	2.2	ND	1.3	9.3	ND	6.5	1.1	10	2.2	----	1.9	.94	0.14	ND	2.5
Propylene	ND	ND	ND	0.78	ND	ND	ND	ND	ND	2.6	ND	0.56	ND	ND	----	ND	ND	ND	ND	0.45
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	3.3	ND	1.1	ND	----	ND	ND	ND	ND	ND
Tetrachloroethylene	1.2	ND	ND	0.15	ND	ND	3.2	ND	10	ND	11	ND	2.1	0.16	----	ND	1.8	ND	ND	ND

Table No. 7:
Soil Vapor Analytical Results and Comparison with Previous Year for Volatile Organic Compounds via EPA Method TO-15

Client Sample ID	Ambient		VP-1		VP-2		VP-3		VP-4		VP-5		VP-6		VP-7		VP-10		VP-11	
Date Sampled	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**	**9/10/20**	**3/28/22**
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Tetrahydrofuran	0.54	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	1.7	0.33	----	ND	1.2	ND	ND	0.37
Toluene	3.40	0.52	920	0.95	1400	3.8	630	2.9	2100	4.0	3000	2.8	25	3.6	----	5.7	320	0.37	1200	4.7
trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Trichloroethylene	1.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.70	0.62	ND	0.20	ND	0.20	ND	0.47	ND	2.0	ND	0.16	3.8	0.27	----	ND	1.7	0.20	ND	0.24
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Vinyl bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	----	ND	ND	ND	ND	ND

Notes:
µg/m³ = micrograms per cubic meter
ND = Not Detected above the laboratory minimum detection limit
---- = No Sample Collected From VP-7 Due to Faulty Vapor Point
The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in sub-surface vapors (either soil vapor or sub-slab vapor).

Table No. 8: Quarterly VES Discharge Sampling Results												
Client Sample ID	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**
Date Sampled	**4/29/2021**			**7/28/2021**			**10/19/2021**			**1/21/2022**		
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	11	11	9.1	16	15	17	12	10	12	20	20	29
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.6	3.5	2.8	4.9	5.2	5.2	3.2	2.9	3.3	6.9	6.4	9.8
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	5.0	4.6	4.2	4.3	4.9	5.8	2.7	3.7	4.4	240	150	280
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	5.8	4.8	4.4	6.6	7.2	8.4	3.4	3.9	4.9	ND	1.6	2.7
Acetone	77	72	55	93	110	130	46	73	79	120	89	140
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.4	1.9	0.64	1.3	3.5	ND	0.58	1.3	0.77	ND	1.5	1.5
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

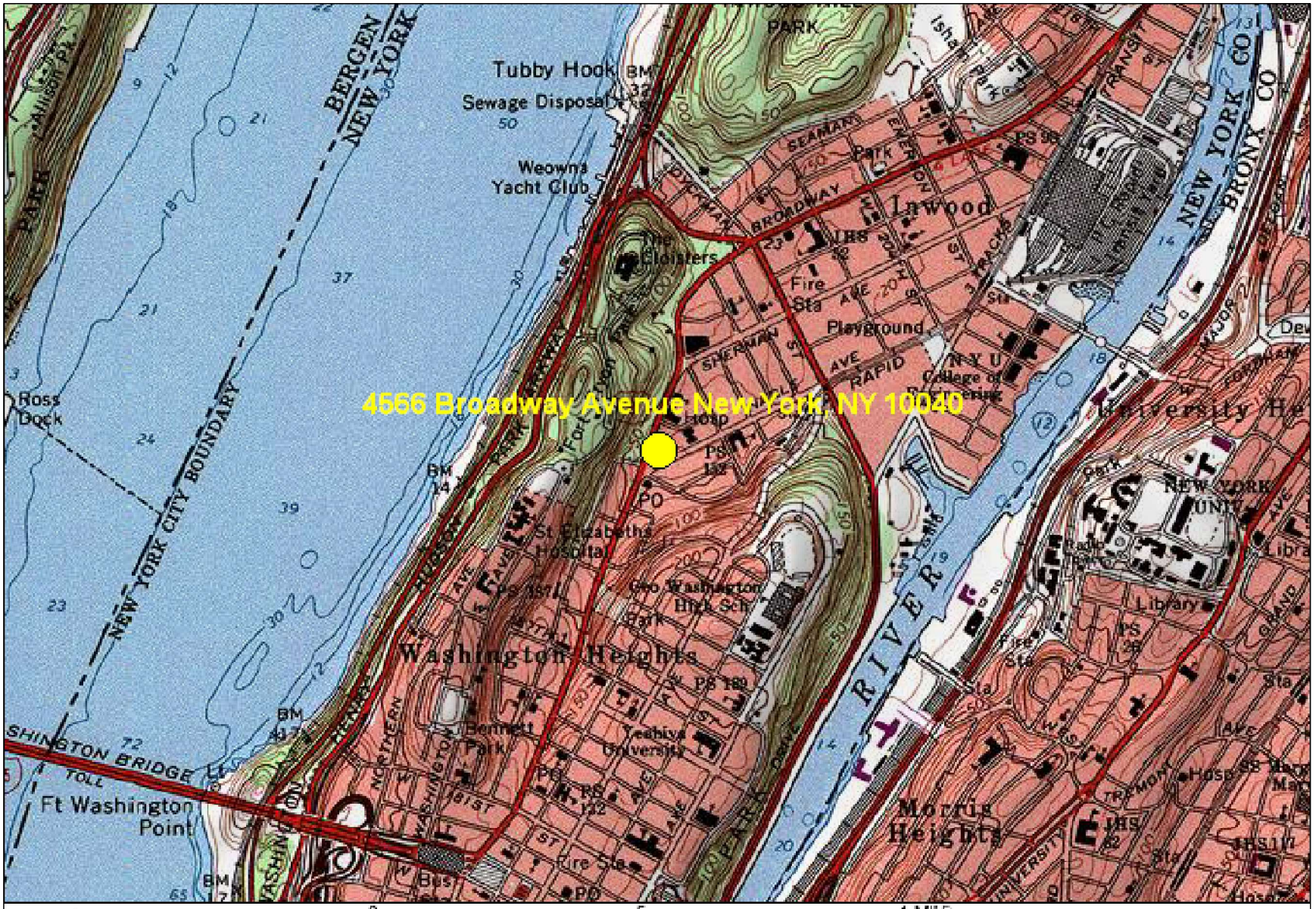
Table No. 8: Quarterly VES Discharge Sampling Results												
Client Sample ID	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**	**Pre-Carbon**	**Mid-Carbon**	**Final**
Date Sampled	**4/29/2021**			**7/28/2021**			**10/19/2021**			**1/21/2022**		
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	2.9	6.5	11	14	8.3	3.7	7.7	4.1	1.9	1.7	3.4
Carbon Tetrachloride	0.38	0.63	0.5	0.5	ND	1.3	0.38	ND	0.63	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	2.0	1.8	1.5	2.4	2.4	3.4	ND	ND	ND	ND	ND	ND
Chloroform	2.0	1.8	2.0	6.6	3.2	3.7	2.1	2.9	3.1	ND	ND	ND
Chloromethane	13	12	14	6.0	5.0	8.0	2.4	4.9	4.3	1.5	2.5	3
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	ND	1.3	1.4	9.5	6.1	5.9	5	5.7	4	1.6	1.6	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	1.3	ND	0.69	1.2	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.6	2.3	2.2	3.0	3.0	3.0	2.4	2.4	2.4	2.7	2.7	2.7
Ethyl Acetate	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	18	20	15	58	61	67	31	37	41	14	12	19
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropanol	2.7	1.3	8.1	8.4	9.3	13	8.1	4.9	8.8	6.8	11	4.8
Methyl Methacrylate	37	40	40	39	36	52	18	26	18	14	19	15
Methyl tert-butyl ether (MTBE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	19	19	17	9.6	11	12	3.7	5.3	5.7	120	80	140
n-Heptane	1.3	2.7	3.6	ND	ND	ND	ND	ND	ND	ND	3.1	0.94
n-Hexane	3.7	3.5	2.2	5.3	5.8	5.3	0.99	2.3	1.8	ND	ND	4.7
o-Xylene	8.6	8.6	19	14	15	16	7.5	8.2	9.2	4.8	4.1	6.7
p- & m- Xylenes	25	25	20	44	46	51	23	27	30	16	13	22
p-Ethyltoluene	13	13	10	20	20	22	15	13	16	29	27	42
Propylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	3.1	3.2	2.8	4.9	4.9	5.5	3	3.4	3.6	ND	ND	ND

Table No. 8:
Quarterly VES Discharge Sampling Results

Client Sample ID	Pre-Carbon	Mid-Carbon	Final	Pre-Carbon	Mid-Carbon	Final	Pre-Carbon	Mid-Carbon	Final	Pre-Carbon	Mid-Carbon	Final
Date Sampled	**4/29/2021**			**7/28/2021**			**10/19/2021**			**1/21/2022**		
TO-15 List - µg/m³	----	----	----	----	----	----	----	----	----	----	----	----
Tetrachloroethylene	26	67	3.3	150	110	4.7	91	58	2.7	21	9.5	ND
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND
Toluene	240	240	230	590	650	690	270	380	440	540	360	670
trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	0.86	1.4	1.5	3.2	1.9	2.7	1.7	1.3	1.7	0.81	ND	ND
Trichlorofluoromethane (Freon 11)	1.6	1.6	1.8	ND	ND	4.9	1.3	ND	ND	ND	ND	ND
Vinyl Acetate	2.0	1.9	1.8	2.5	2.6	3.2	0.83	1.5	ND	ND	ND	ND
Vinyl Bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	8.8	8.1	9.1	3.1	2.6	3.8	ND	ND	ND	ND	ND	ND

Notes:
µg/m³ = micrograms per cubic meter
ND = Not Detected above the laboratory minimum detection limit

Appendix A
Figures



JCB LEGEND
SUBJECT SITE

J.C. BRODERICK
& Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

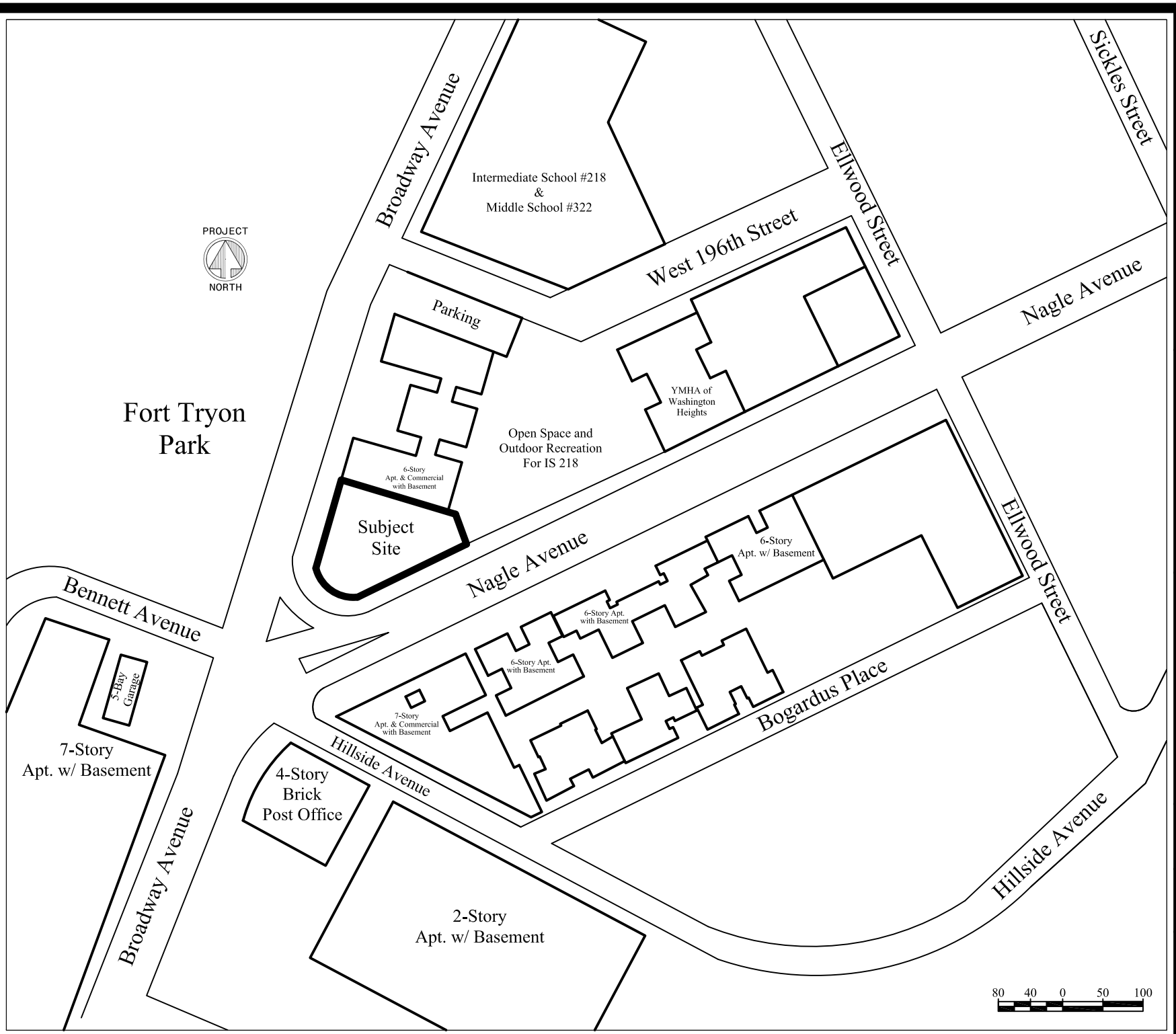
Site Location Map

Scale	Project No.	Date
As Noted	22-51414	04-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

1



J.C. BRODERICK
& Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

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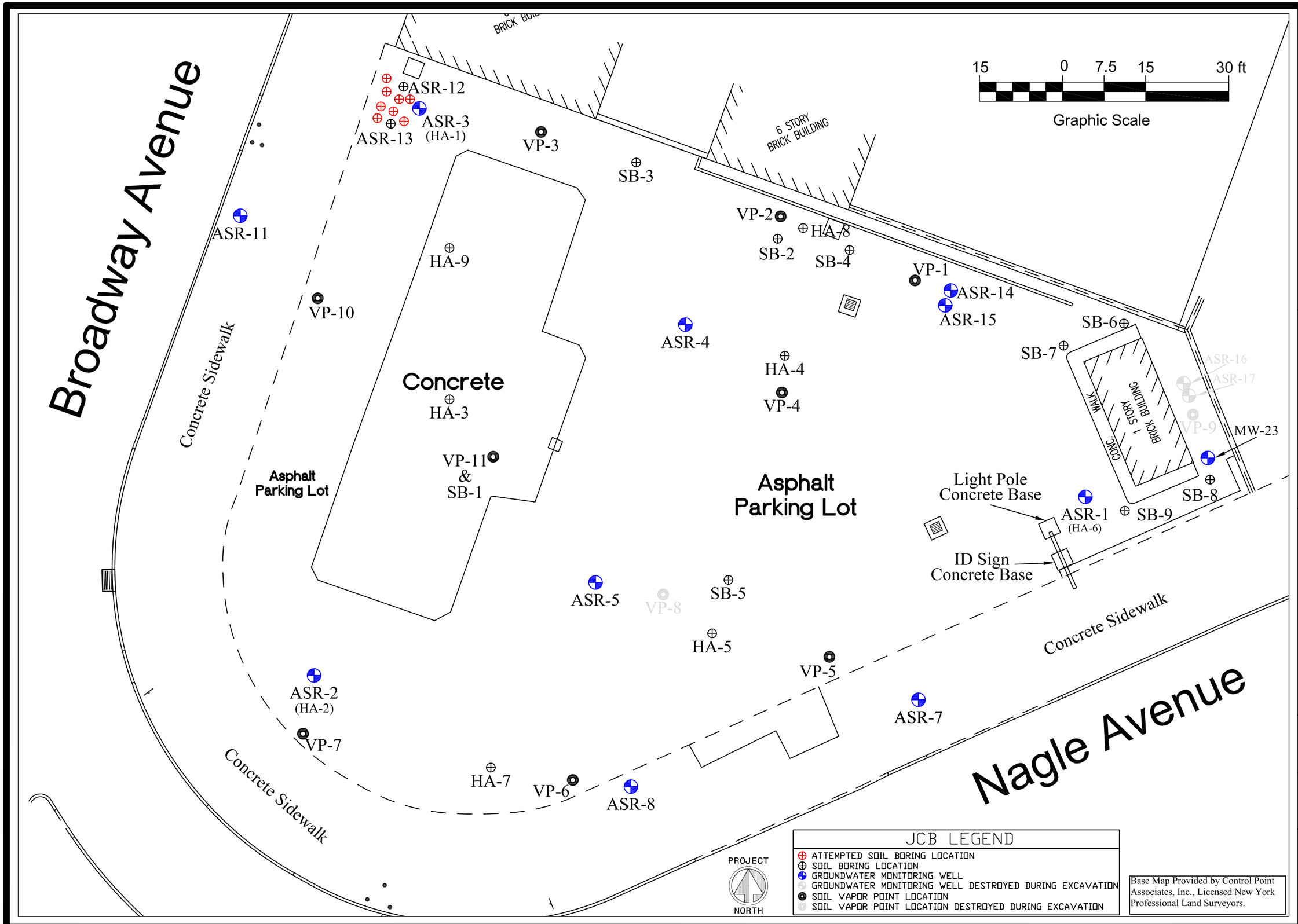
Surrounding Area Use Map

Scale	Project No.	Date
As Noted	21-50520	11-2021

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

2



JCB LEGEND

- ATTEMPTED SOIL BORING LOCATION
- SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL DESTROYED DURING EXCAVATION
- SOIL VAPOR POINT LOCATION
- SOIL VAPOR POINT LOCATION DESTROYED DURING EXCAVATION

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, New York 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

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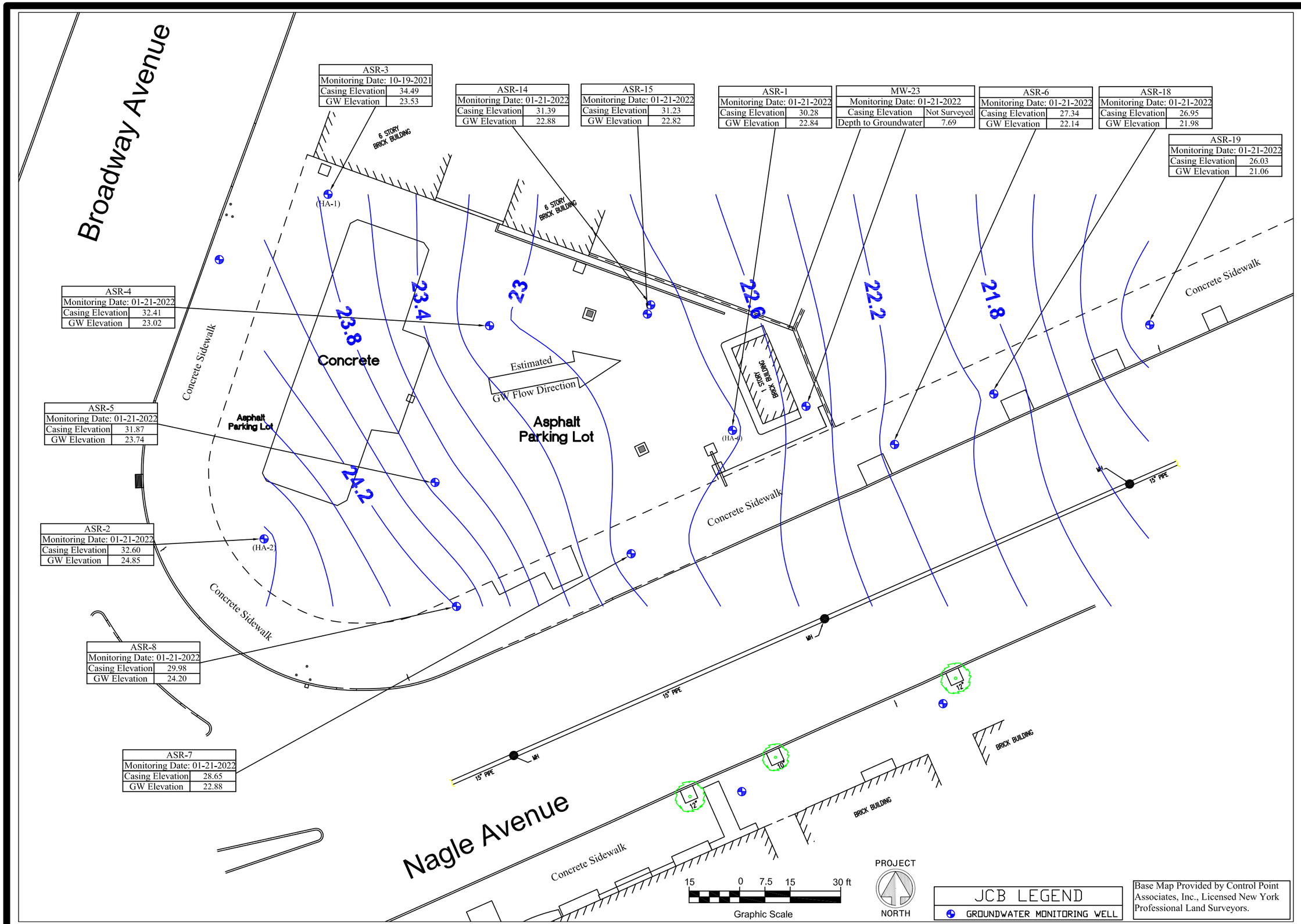
On-Site Soil Boring, Vapor Point and Groundwater Monitoring Well Locations

Scale	Project No.	Date
As Noted	22-51414	04-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

3



J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

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Figure No. 4

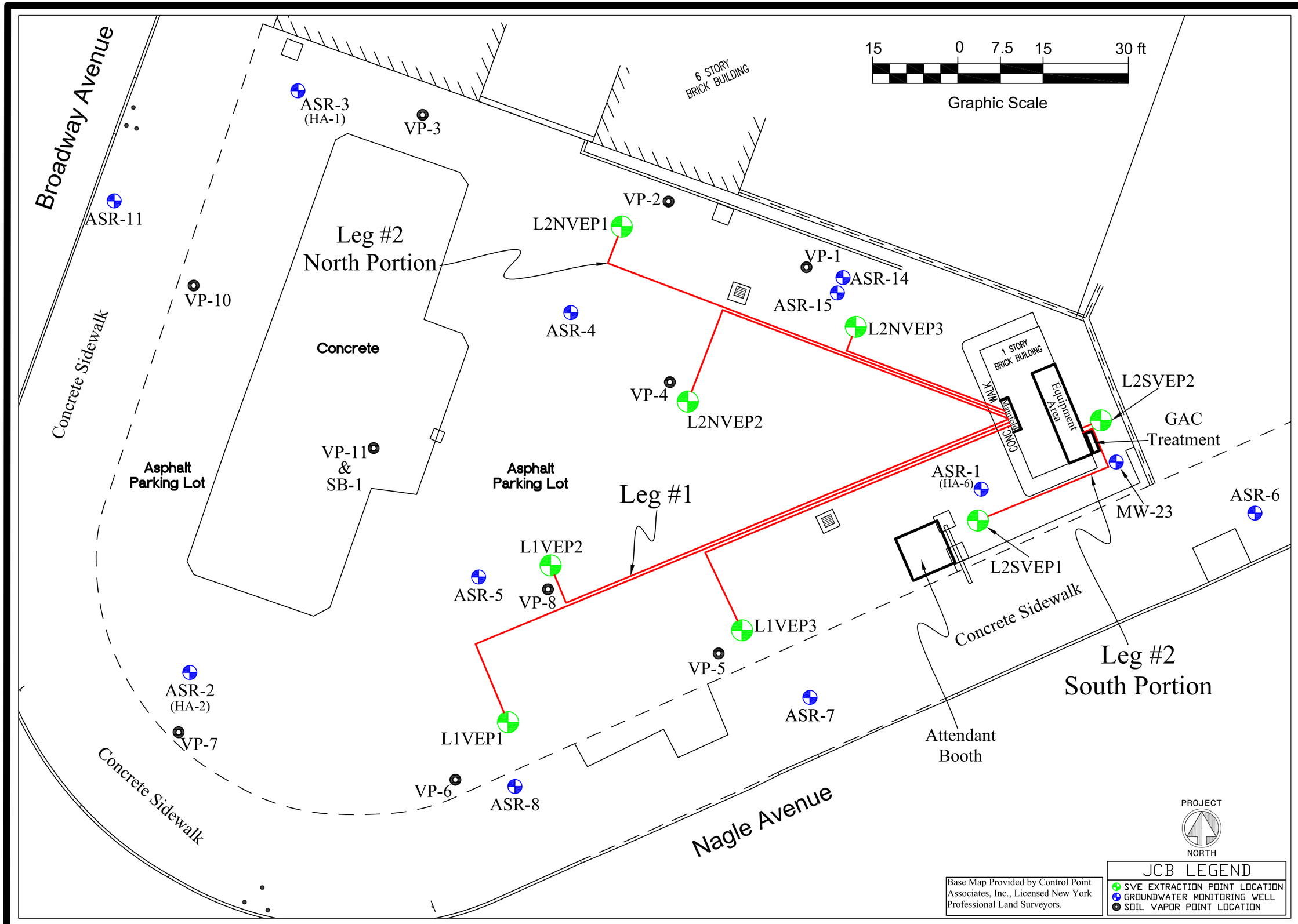
Groundwater Gradient Map

Scale	Project No.	Date
As Noted	22-51414	04-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

4



J.C. BRODERICK
& Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, New York 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

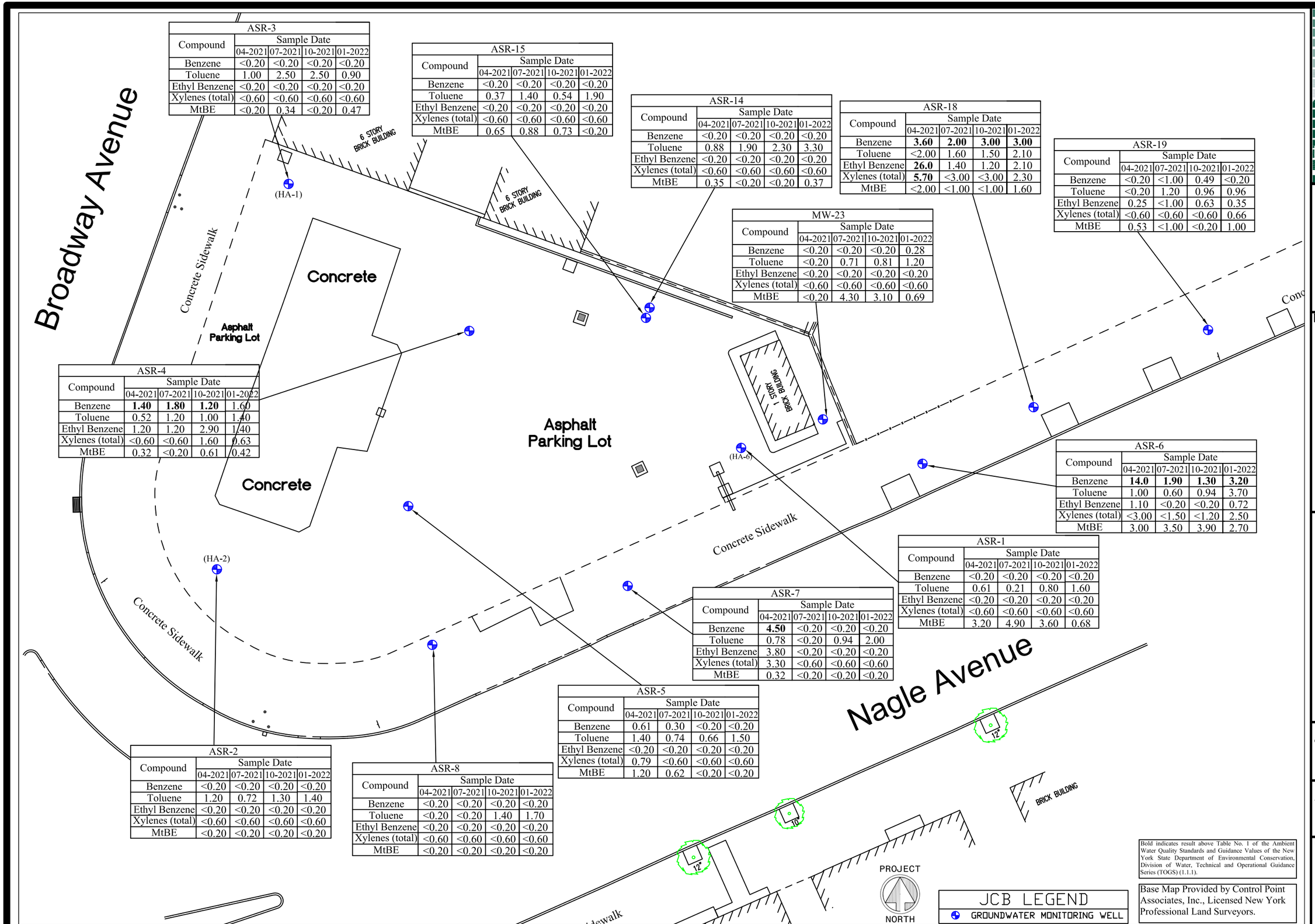
Vapor Extraction System Layout

Scale	Project No.	Date
As Noted	22-51414	04-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

5



ASR-3				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	1.00	2.50	2.50	0.90
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	<0.20	0.34	<0.20	0.47

ASR-15				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	0.37	1.40	0.54	1.90
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	0.65	0.88	0.73	<0.20

ASR-14				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	0.88	1.90	2.30	3.30
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	0.35	<0.20	<0.20	0.37

ASR-18				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	**3.60**	**2.00**	**3.00**	**3.00**
Toluene	<2.00	1.60	1.50	2.10
Ethyl Benzene	**26.0**	1.40	1.20	2.10
Xylenes (total)	**5.70**	<3.00	<3.00	2.30
MtBE	<2.00	<1.00	<1.00	1.60

MW-23				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	0.28
Toluene	<0.20	0.71	0.81	1.20
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	<0.20	4.30	3.10	0.69

ASR-19				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<1.00	0.49	<0.20
Toluene	<0.20	1.20	0.96	0.96
Ethyl Benzene	0.25	<1.00	0.63	0.35
Xylenes (total)	<0.60	<0.60	<0.60	0.66
MtBE	0.53	<1.00	<0.20	1.00

ASR-4				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	**1.40**	**1.80**	**1.20**	1.60
Toluene	0.52	1.20	1.00	1.40
Ethyl Benzene	1.20	1.20	2.90	1.40
Xylenes (total)	<0.60	<0.60	1.60	0.63
MtBE	0.32	<0.20	0.61	0.42

ASR-6				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	**14.0**	**1.90**	**1.30**	**3.20**
Toluene	1.00	0.60	0.94	3.70
Ethyl Benzene	1.10	<0.20	<0.20	0.72
Xylenes (total)	<3.00	<1.50	<1.20	2.50
MtBE	3.00	3.50	3.90	2.70

ASR-1				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	0.61	0.21	0.80	1.60
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	3.20	4.90	3.60	0.68

ASR-7				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	**4.50**	<0.20	<0.20	<0.20
Toluene	0.78	<0.20	0.94	2.00
Ethyl Benzene	3.80	<0.20	<0.20	<0.20
Xylenes (total)	3.30	<0.60	<0.60	<0.60
MtBE	0.32	<0.20	<0.20	<0.20

ASR-5				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	0.61	0.30	<0.20	<0.20
Toluene	1.40	0.74	0.66	1.50
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	0.79	<0.60	<0.60	<0.60
MtBE	1.20	0.62	<0.20	<0.20

ASR-2				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	1.20	0.72	1.30	1.40
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	<0.20	<0.20	<0.20	<0.20

ASR-8				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
Benzene	<0.20	<0.20	<0.20	<0.20
Toluene	<0.20	<0.20	1.40	1.70
Ethyl Benzene	<0.20	<0.20	<0.20	<0.20
Xylenes (total)	<0.60	<0.60	<0.60	<0.60
MtBE	<0.20	<0.20	<0.20	<0.20

Bold indicates result above Table No. 1 of the Ambient Water Quality Standards and Guidance Values of the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) (1.1.1).

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

JCB LEGEND

GROUNDWATER MONITORING WELL

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Groundwater Analytical Results Map (µg/L)

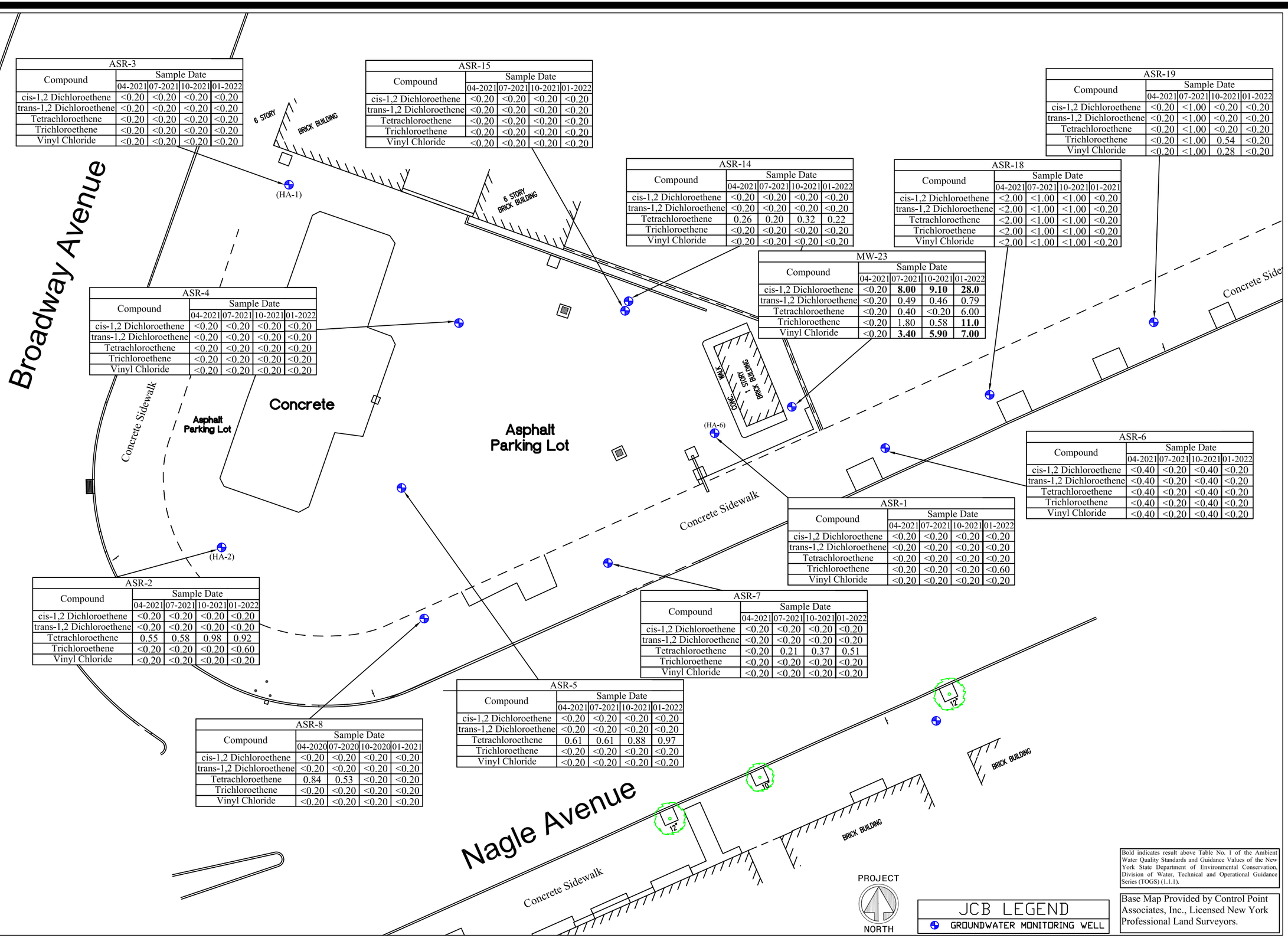
BTEX and MtBE

Scale	Project No.	Date
As Noted	22-51414	01-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

6



ASR-3				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	<0.20	<0.20	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-15				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	<0.20	<0.20	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-19				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<1.00	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<1.00	<0.20	<0.20
Tetrachloroethene	<0.20	<1.00	<0.20	<0.20
Trichloroethene	<0.20	<1.00	0.54	<0.20
Vinyl Chloride	<0.20	<1.00	0.28	<0.20

ASR-14				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.26	0.20	0.32	0.22
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-18				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2021
cis-1,2 Dichloroethene	<2.00	<1.00	<1.00	<0.20
trans-1,2 Dichloroethene	<2.00	<1.00	<1.00	<0.20
Tetrachloroethene	<2.00	<1.00	<1.00	<0.20
Trichloroethene	<2.00	<1.00	<1.00	<0.20
Vinyl Chloride	<2.00	<1.00	<1.00	<0.20

MW-23				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	**8.00**	**9.10**	**28.0**
trans-1,2 Dichloroethene	<0.20	0.49	0.46	0.79
Tetrachloroethene	<0.20	0.40	<0.20	6.00
Trichloroethene	<0.20	1.80	0.58	**11.0**
Vinyl Chloride	<0.20	**3.40**	**5.90**	**7.00**

ASR-4				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	<0.20	<0.20	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-6				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.40	<0.20	<0.40	<0.20
trans-1,2 Dichloroethene	<0.40	<0.20	<0.40	<0.20
Tetrachloroethene	<0.40	<0.20	<0.40	<0.20
Trichloroethene	<0.40	<0.20	<0.40	<0.20
Vinyl Chloride	<0.40	<0.20	<0.40	<0.20

ASR-1				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	<0.20	<0.20	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20	<0.60
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-2				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.55	0.58	0.98	0.92
Trichloroethene	<0.20	<0.20	<0.20	<0.60
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-7				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	<0.20	0.21	0.37	0.51
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-5				
Compound	Sample Date			
	04-2021	07-2021	10-2021	01-2022
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.61	0.61	0.88	0.97
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

ASR-8				
Compound	Sample Date			
	04-2020	07-2020	10-2020	01-2021
cis-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
trans-1,2 Dichloroethene	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.84	0.53	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20

Bold indicates result above Table No. 1 of the Ambient Water Quality Standards and Guidance Values of the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) (1.1.1).

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

JCB LEGEND

GROUNDWATER MONITORING WELL

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Groundwater Analytical Results Map (µg/L)

Target Chlorinated Solvents

Scale	Project No.	Date
As Noted	22-51414	01-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

7

PROJECT NORTH

JCB LEGEND
SOIL VAPOR POINT LOCATION

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

15 0 7.5 15 30 ft
Graphic Scale

Broadway Avenue

6 STORY BRICK BUILDING

6 STORY BRICK BUILDING

Asphalt Parking Lot

Concrete

Asphalt Parking Lot

1 STORY BRICK BUILDING CONC. WALK

Concrete Sidewalk

Concrete Sidewalk

Nagle Avenue

BRICK B

12"

10"

VP-3

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	5.72	6.30	<6.7	1.6	<1.1	<0.48	9.4	<0.14
Toluene	43.70	2,700	280	490	10	40	630	2.9
Ethyl Benzene	11.10	69.00	<9.0	27	2.0	5.00	16	0.59
Xylenes (total)	56.80	259	<9.0	74	6.0	13.4	14.2	0.84
MtBE	2.24	<7.10	<7.5	<0.56	<0.56	<0.54	<1.3	<0.14

VP-2

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	2.36	<7.9	<5.4	<0.92	<1.0	<2.00	3.0	<0.15
Toluene	64.10	1,300	470	5.2	4.8	720	1,400	3.8
Ethyl Benzene	13.80	50.00	7.3	<1.3	2.0	13.0	29	0.84
Xylenes (total)	76.30	223	<7.3	<2.5	6.2	19.8	23.5	1.18
MtBE	<3.61	<8.90	<6.1	<1.0	<1.1	<2.2	<2.9	<0.15

VP-10

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	270	No Sample Collected Due to Faulty Vapor Point	<6.1	4.3	<1.3	0.81	1.8	0.19
Toluene	234		8.6	130	7.7	12.0	320	0.37
Ethyl Benzene	142		<8.3	15	2.4	1.10	8.9	<0.13
Xylenes (total)	2,964		<8.3	60	7.4	2.80	9.8	<0.13
MtBE	231		<6.9	<0.94	<1.3	<0.83	<0.69	<0.13

VP-1

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	57.50	<6.40	<6.2	2.0	<0.92	1.70	7.0	0.15
Toluene	168	2,200	480	30	130	230	920	0.95
Ethyl Benzene	102	49.00	<8.5	4.3	4.1	9.3	19	0.13
Xylenes (total)	3,100	181	181	18.2	10.5	24.5	16.6	<0.13
MtBE	<18.00	<7.20	<7.0	<0.48	<1.0	<0.53	<2.7	<0.13

VP-11

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	2.11	25.00	<7.0	4.0	1.3	0.94	2.6	<0.17
Toluene	26.4	1,100	250	630	14	23.0	1,200	4.7
Ethyl Benzene	12.1	29.00	<9.5	33	5.1	2.30	35	0.97
Xylenes (total)	59.9	111	<9.5	77	19.2	7.20	33.7	1.50
MtBE	2.70	<0.37	<7.9	<0.52	<1.1	<0.59	<2.5	<0.17

VP-7

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	3.77	11.00	<8.0	<1.0	<1.1	2.50	No Sample Collected Due to Faulty Vapor Point	<1.5
Toluene	40.70	3,500	200	5.0	6.1	670		5.7
Ethyl Benzene	11.10	97.00	<11.0	<1.4	1.9	19.0		<1.5
Xylenes (total)	51.30	388	<11.0	<2.7	5.5	24.6		<1.5
MtBE	1.62	<8.40	<9.0	<1.1	<1.2	<2.30		<1.5

VP-4

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	19,400	No Sample Collected Due to Faulty Vapor Point	0.80	2.9	<6.8	2.30	4.5	<2.0
Toluene	<18.80		3.4	230	9.7	1,100	2,100	4.0
Ethyl Benzene	42,000		0.86	22	26	29.0	110	<2.0
Xylenes (total)	79,600		3.98	72	410	34.8	91	<2.0
MtBE	9,660		<0.65	0.68	<7.7	<2.40	<2.5	<2.0

VP-6

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	2,010	<7.50	<5.50	6.0	<1.1	1.80	0.71	<0.16
Toluene	<18.80	1,600	170	340	270	290	25	3.6
Ethyl Benzene	1,580	68.00	<7.4	24	9.0	5.7	9.8	0.77
Xylenes (total)	44,990	328	<7.4	66	19.9	13.1	12.6	1.13
MtBE	264	<8.50	<6.2	<0.98	<1.2	<1.10	<0.62	<0.16

VP-5

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
Benzene	13,400	<6.50	<6.70	3.7	<6.0	<0.99	6.5	<0.17
Toluene	102,000	600	1,200	330	18	8.90	3,000	2.8
Ethyl Benzene	70,300	18.00	29	19	17	1.90	98	0.51
Xylenes (total)	853,000	80.00	74	46	147	7.20	82	1.04
MtBE	<18.00	<7.30	<7.50	<10	<6.8	<1.10	<2.8	<0.13

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Soil Vapor Analytical Results Map ($\mu g/m^3$)

BTEX and MtBE

Scale	Project No.	Date
As Noted	22-51414	04-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

8

JCB LEGEND

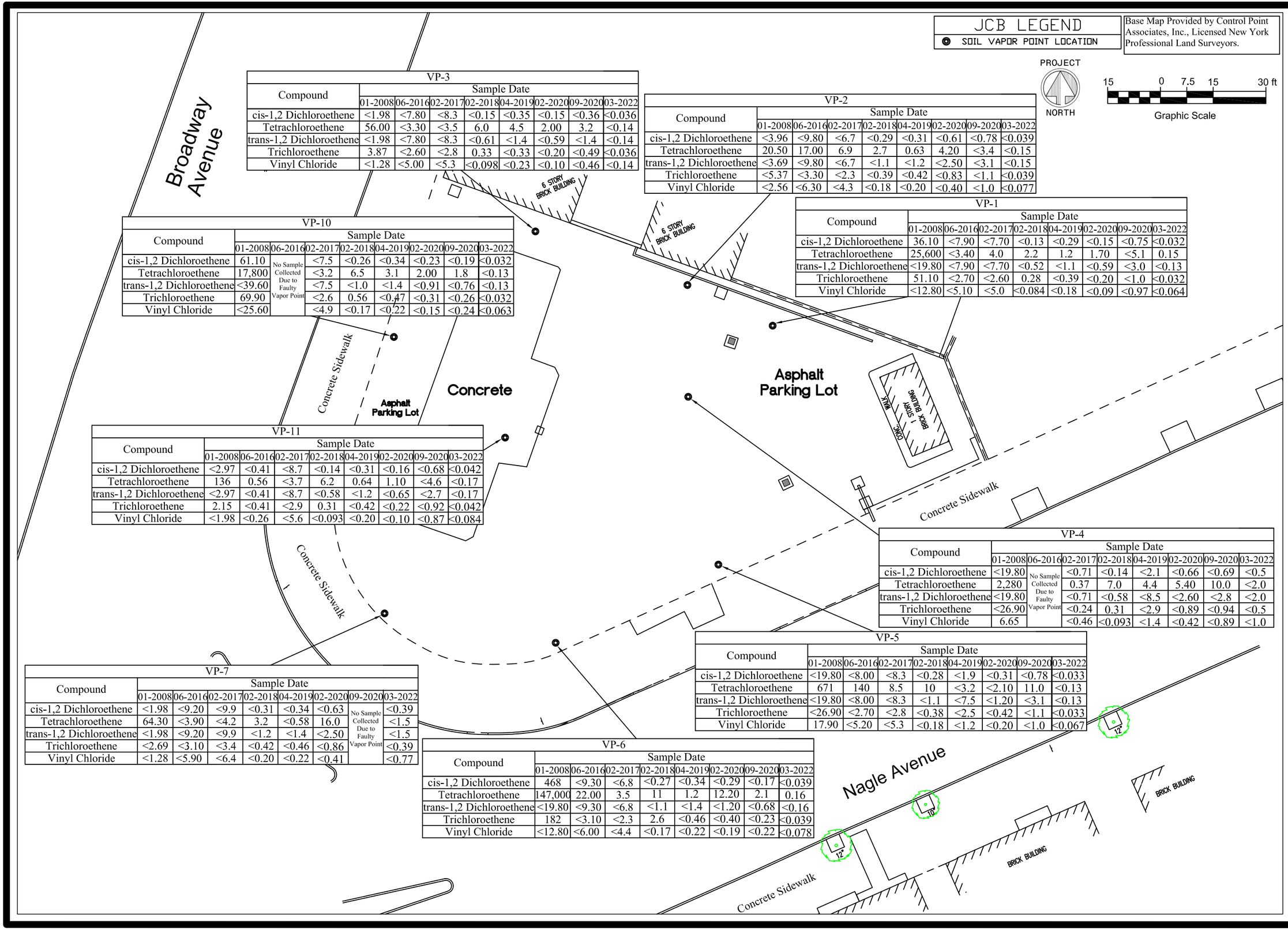
SOIL VAPOR POINT LOCATION

Base Map Provided by Control Point Associates, Inc., Licensed New York Professional Land Surveyors.

PROJECT NORTH

15 0 7.5 15 30 ft

Graphic Scale



VP-3

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<1.98	<7.80	<8.3	<0.15	<0.35	<0.15	<0.36	<0.036
Tetrachloroethene	56.00	<3.30	<3.5	6.0	4.5	2.00	3.2	<0.14
trans-1,2 Dichloroethene	<1.98	<7.80	<8.3	<0.61	<1.4	<0.59	<1.4	<0.14
Trichloroethene	3.87	<2.60	<2.8	0.33	<0.33	<0.20	<0.49	<0.036
Vinyl Chloride	<1.28	<5.00	<5.3	<0.098	<0.23	<0.10	<0.46	<0.14

VP-2

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<3.96	<9.80	<6.7	<0.29	<0.31	<0.61	<0.78	<0.039
Tetrachloroethene	20.50	17.00	6.9	2.7	0.63	4.20	<3.4	<0.15
trans-1,2 Dichloroethene	<3.69	<9.80	<6.7	<1.1	<1.2	<2.50	<3.1	<0.15
Trichloroethene	<5.37	<3.30	<2.3	<0.39	<0.42	<0.83	<1.1	<0.039
Vinyl Chloride	<2.56	<6.30	<4.3	<0.18	<0.20	<0.40	<1.0	<0.077

VP-10

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	61.10	No Sample Collected Due to Faulty Vapor Point	<7.5	<0.26	<0.34	<0.23	<0.19	<0.032
Tetrachloroethene	17,800		<3.2	6.5	3.1	2.00	1.8	<0.13
trans-1,2 Dichloroethene	<39.60		<7.5	<1.0	<1.4	<0.91	<0.76	<0.13
Trichloroethene	69.90		<2.6	0.56	<0.47	<0.31	<0.26	<0.032
Vinyl Chloride	<25.60		<4.9	<0.17	<0.22	<0.15	<0.24	<0.063

VP-1

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	36.10	<7.90	<7.70	<0.13	<0.29	<0.15	<0.75	<0.032
Tetrachloroethene	25,600	<3.40	4.0	2.2	1.2	1.70	<5.1	0.15
trans-1,2 Dichloroethene	<19.80	<7.90	<7.70	<0.52	<1.1	<0.59	<3.0	<0.13
Trichloroethene	51.10	<2.70	<2.60	0.28	<0.39	<0.20	<1.0	<0.032
Vinyl Chloride	<12.80	<5.10	<5.0	<0.084	<0.18	<0.09	<0.97	<0.064

VP-11

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<2.97	<0.41	<8.7	<0.14	<0.31	<0.16	<0.68	<0.042
Tetrachloroethene	136	0.56	<3.7	6.2	0.64	1.10	<4.6	<0.17
trans-1,2 Dichloroethene	<2.97	<0.41	<8.7	<0.58	<1.2	<0.65	<2.7	<0.17
Trichloroethene	2.15	<0.41	<2.9	0.31	<0.42	<0.22	<0.92	<0.042
Vinyl Chloride	<1.98	<0.26	<5.6	<0.093	<0.20	<0.10	<0.87	<0.084

VP-4

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<19.80	No Sample Collected Due to Faulty Vapor Point	<0.71	<0.14	<2.1	<0.66	<0.69	<0.5
Tetrachloroethene	2,280		0.37	7.0	4.4	5.40	10.0	<2.0
trans-1,2 Dichloroethene	<19.80		<0.71	<0.58	<8.5	<2.60	<2.8	<2.0
Trichloroethene	<26.90		<0.24	0.31	<2.9	<0.89	<0.94	<0.5
Vinyl Chloride	6.65		<0.46	<0.093	<1.4	<0.42	<0.89	<1.0

VP-7

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<1.98	<9.20	<9.9	<0.31	<0.34	<0.63	No Sample Collected Due to Faulty Vapor Point	<0.39
Tetrachloroethene	64.30	<3.90	<4.2	3.2	<0.58	16.0		<1.5
trans-1,2 Dichloroethene	<1.98	<9.20	<9.9	<1.2	<1.4	<2.50		<1.5
Trichloroethene	<2.69	<3.10	<3.4	<0.42	<0.46	<0.86		<0.39
Vinyl Chloride	<1.28	<5.90	<6.4	<0.20	<0.22	<0.41		<0.77

VP-5

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	<19.80	<8.00	<8.3	<0.28	<1.9	<0.31	<0.78	<0.033
Tetrachloroethene	671	140	8.5	10	<3.2	<2.10	11.0	<0.13
trans-1,2 Dichloroethene	<19.80	<8.00	<8.3	<1.1	<7.5	<1.20	<3.1	<0.13
Trichloroethene	<26.90	<2.70	<2.8	<0.38	<2.5	<0.42	<1.1	<0.033
Vinyl Chloride	17.90	<5.20	<5.3	<0.18	<1.2	<0.20	<1.0	<0.067

VP-6

Compound	Sample Date							
	01-2008	06-2016	02-2017	02-2018	04-2019	02-2020	09-2020	03-2022
cis-1,2 Dichloroethene	468	<9.30	<6.8	<0.27	<0.34	<0.29	<0.17	<0.039
Tetrachloroethene	147,000	22.00	3.5	11	1.2	12.20	2.1	0.16
trans-1,2 Dichloroethene	<19.80	<9.30	<6.8	<1.1	<1.4	<1.20	<0.68	<0.16
Trichloroethene	182	<3.10	<2.3	2.6	<0.46	<0.40	<0.23	<0.039
Vinyl Chloride	<12.80	<6.00	<4.4	<0.17	<0.22	<0.19	<0.22	<0.078

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Express Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

4566 Broadway LLC.
4566 Broadway Avenue
New York, NY 10040

BCP# C231054

Drawing Title

Soil Vapor Analytical Results Map ($\mu g/m^3$)

Target Chlorinated Solvents

Scale	Project No.	Date
As Noted	22-51414	03-2022

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	

Drawing No.

9

Appendix B
Inspection Reports
And
SVE Operation Logs

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-48383
Date:	3/23/2021	Time On-Site:	7:45
Weather:	42°F Foggy	Time Off-Site:	8:30
Building Temp:		Status LEDs:	Green
		Hour-meter:	58,834
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165 CFM	Before Dropout Drum:	-16	INWC
		After Dropout Drum:	-20	INWC

SVE System #2

Flow Rate:	145 CFM	Before Dropout Drum:	-21	INWC
		After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	14.23	INWC	59	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	12.97	INWC	50	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	14.73	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	15.01	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.28	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.88	INWC	140	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.21	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.17	INWC	83	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	— °F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-48684
Date:	4/28/21	Time On-Site:	7:30
Weather:	62° Cloudy	Time Off-Site:	12:00
Building Temp:		Status LEDs:	Green
		Hour-meter:	59,697
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	160 CFM	Before Dropout Drum:	-18	INWC
		After Dropout Drum:	-21	INWC

SVE System #2

Flow Rate:	150 CFM	Before Dropout Drum:	-20	INWC
		After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	14.82	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.15	INWC	53	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	14.91	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.92	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.15	INWC	131	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.75	INWC	141	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.20	INWC	59	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.14	INWC	82	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	— °F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.1	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes: QUARTERLY GW SAMPLING

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21- 48957
Date:	5/27/21	Time On-Site:	7:00
Weather:	61° CLOUDY	Time Off-Site:	7:45
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	60, 392
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165	CFM	Before Dropout Drum:	-16	INWC
			After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	145	CFM	Before Dropout Drum:	-20	INWC
			After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	15.55	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.52	INWC	53	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.28	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.91	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.39	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.62	INWC	142	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.22	INWC	58	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.19	INWC	82	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	—	CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-49152
Date:	6/21/21	Time On-Site:	7:00
Weather:	76° CLOUDY	Time Off-Site:	7:50
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	60,992
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165	CFM	Before Dropout Drum:	-18	INWC
			After Dropout Drum:	-20	INWC

SVE System #2

Flow Rate:	145	CFM	Before Dropout Drum:	-21	INWC
			After Dropout Drum:	-22	INWC

Vapor Points

L1 - VEP #1:	15.60	INWC	59	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.51	INWC	54	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.83	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.82	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.05	INWC	132	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.71	INWC	145	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.20	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.10	INWC	82	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	—	CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-49487
Date:	7/20/21	Time On-Site:	7:00
Weather:	72° SUNNY	Time Off-Site:	11:30
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	61,880
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165 CFM	Before Dropout Drum:	-16	INWC
		After Dropout Drum:	-20	INWC

SVE System #2

Flow Rate:	140 CFM	Before Dropout Drum:	-20	INWC
		After Dropout Drum:	-19	INWC

Vapor Points

L1 - VEP #1:	14.83	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.16	INWC	54	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	14.93	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.92	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.18	INWC	128	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.82	INWC	142	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.25	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.17	INWC	81	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes: QUARTERLY GW SAMPLING

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-49802A
Date:	8/27/21	Time On-Site:	7:30
Weather:	81° FAIR	Time Off-Site:	8:15
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	62,600
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165 CFM	Before Dropout Drum:	-16	INWC
		After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	145 CFM	Before Dropout Drum:	-20	INWC
		After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	15.11	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.65	INWC	56	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.80	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.82	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.15	INWC	131	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.33	INWC	142	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.25	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.15	INWC	84	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	— °F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.1	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-50075
Date:	9/29/21	Time On-Site:	7:00
Weather:	57° SUNNY	Time Off-Site:	7:45
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	63,391
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165 CFM	Before Dropout Drum:	-16	INWC
		After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	145 CFM	Before Dropout Drum:	-20	INWC
		After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	15.60	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.51	INWC	56	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.81	INWC	63	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.92	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.28	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.87	INWC	145	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.28	INWC	60	SCFM	Open, 25%, 50%, 75%, Closed
L2S - VEP #2:	2.25	INWC	82	SCFM	Open, 25%, 50%, 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROIDAN	Job Number:	21-50203
Date:	10/19/21	Time On-Site:	7:00
Weather:	51° FAIR	Time Off-Site:	11:45
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	63,871
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165	CFM	Before Dropout Drum:	-16	INWC
			After Dropout Drum:	-20	INWC

SVE System #2

Flow Rate:	150	CFM	Before Dropout Drum:	-20	INWC
			After Dropout Drum:	-20	INWC

Vapor Points

L1 - VEP #1:	15.61	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.45	INWC	55	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.62	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.85	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.23	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.91	INWC	140	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.30	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.20	INWC	82	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	—	CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes: QUARTERLY GW SAMPLING

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-50584
Date:	11/29/21	Time On-Site:	7:30
Weather:	41° CLOUDY	Time Off-Site:	8:15
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	64,855
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	160 CFM	Before Dropout Drum:	-17	INWC
		After Dropout Drum:	-20	INWC

SVE System #2

Flow Rate:	140 CFM	Before Dropout Drum:	-21	INWC
		After Dropout Drum:	-20	INWC

Vapor Points

L1 - VEP #1:	15.91	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.45	INWC	51	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.81	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.93	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.43	INWC	122	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.81	INWC	132	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.45	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.53	INWC	75	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.1	ppm
Final Effluent:	0.0	ppm

Notes: _____

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	21-50747
Date:	12/20/21	Time On-Site:	8:00
Weather:	27° FAIR	Time Off-Site:	8:45
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	65,359
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165	CFM	Before Dropout Drum:	-16	INWC
			After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	145	CFM	Before Dropout Drum:	-20	INWC
			After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	15.21	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.15	INWC	56	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.62	INWC	64	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.23	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	6.38	INWC	132	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.15	INWC	143	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.01	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.11	INWC	83	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	—	CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	22-50955
Date:	11/21/22	Time On-Site:	8:00
Weather:	16° CLOUDY	Time Off-Site:	12:30
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	66,127
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165 CFM	Before Dropout Drum:	-16	INWC
		After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	135 CFM	Before Dropout Drum:	-22	INWC
		After Dropout Drum:	-21	INWC

Vapor Points

L1 - VEP #1:	15.71	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.62	INWC	53	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.91	INWC	61	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.92	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.23	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.81	INWC	142	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.27	INWC	58	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.23	INWC	73	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	— CFM	—	°F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.1	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes: QUARTERLY GW SAMPLING

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

NAGLE SVE MONITORING DATA

Name:	JOSE ROLDAN	Job Number:	22-51163
Date:	2/14/22	Time On-Site:	7:30
Weather:	19° FAIR	Time Off-Site:	8:15
Building Temp:		Status LEDs:	GREEN
		Hour-meter:	66,702
		System Modification Preformed?	Yes or (No)

SVE System #1

Flow Rate:	165	CFM	Before Dropout Drum:	-17	INWC
			After Dropout Drum:	-19	INWC

SVE System #2

Flow Rate:	145	CFM	Before Dropout Drum:	-20	INWC
			After Dropout Drum:	-22	INWC

Vapor Points

L1 - VEP #1:	15.61	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #2:	13.52	INWC	56	SCFM	(Open), 25%, 50%, 75%, Closed
L1 - VEP #3:	15.81	INWC	62	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #1:	14.85	INWC	0	SCFM	(Open), 25%, 50%, 75%, Closed
L2N - VEP #2:	7.13	INWC	130	SCFM	Open, 25%, (50%), 75%, Closed
L2N - VEP #3:	14.79	INWC	143	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #1:	3.28	INWC	60	SCFM	(Open), 25%, 50%, 75%, Closed
L2S - VEP #2:	2.17	INWC	80	SCFM	Open, 25%, (50%), 75%, Closed

Discharge

Pre-Carbon Discharge:	—	CFM	— °F

Collection Point	PID (Benzene)	
Pre-Carbon Effluent:	0.0	ppm
Mid-Carbon Effluent:	0.0	ppm
Final Effluent:	0.0	ppm

Notes:

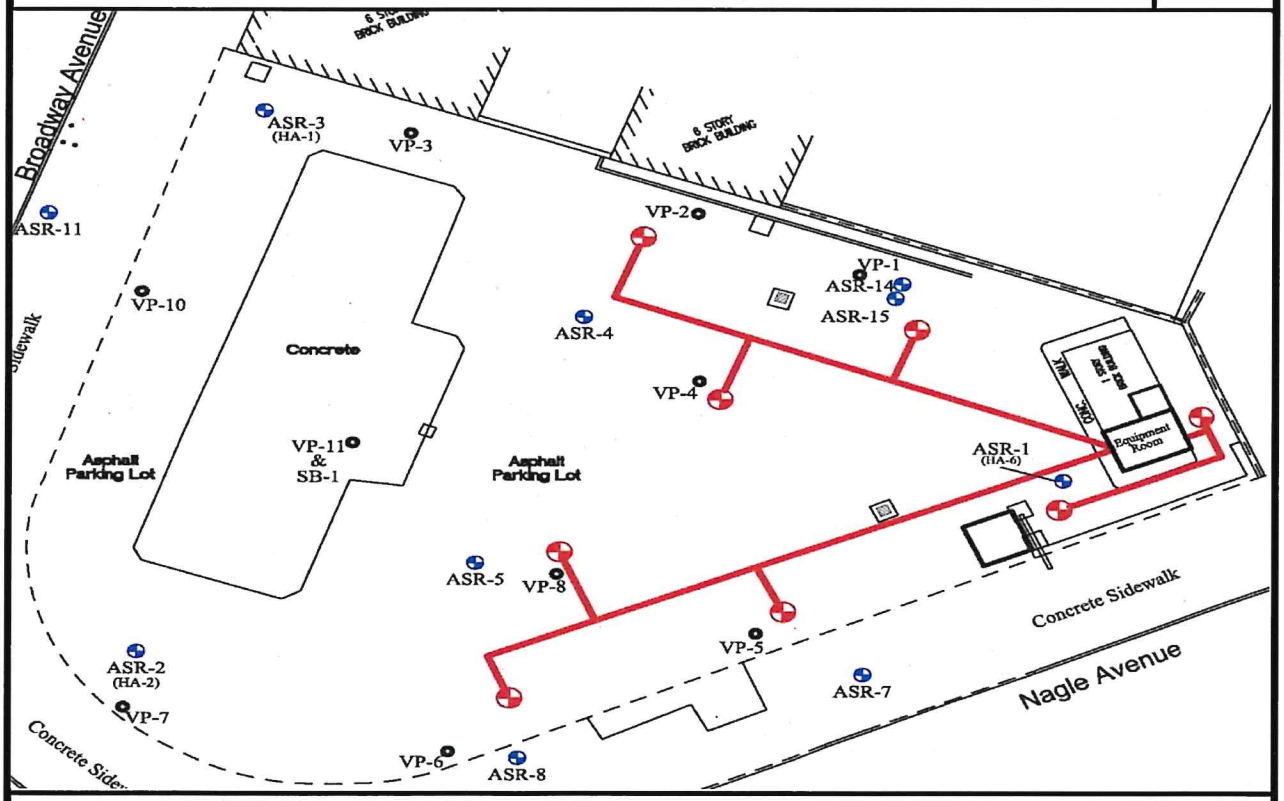
J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

SITE INSPECTION REPORT FORM

Name:	Staff Name	Job Number:	22-5095
Date:	1/27/22	On-Site:	7:15 am
Weather:	16° Cloudy	Off-Site:	10:45 a
Temperature:	16°		

Site Pavement Conditions: *Note Any Pavement Deformities on Map



Condition of Monitoring Well Covers:	(Good) Fair Poor
Were Site Repairs Made?	Yes or (No)

Additional Notes: No pavement deformities were observed

Appendix C
Site Photograph Logs

Overview of Subject Site

Field Photograph Log

New York State
Brownfield Cleanup Program

4566 Broadway, LLC
4566 Broadway Avenue
New York, New York 10040
BCP ID No.: C231054

Photo No. 01 **JCB#: 22-51414**

Typical Groundwater Monitoring Well Location

Field Photograph Log

New York State
Brownfield Cleanup Program

4566 Broadway, LLC
4566 Broadway Avenue
New York, New York 10040
BCP ID No.: C231054

Photo No. 02

JCB#: 22-51414

SVES System Manifold Within Equipment Area

Field Photograph Log

New York State
Brownfield Cleanup Program

4566 Broadway, LLC
4566 Broadway Avenue
New York, New York 10040
BCP ID No.: C231054

Photo No. 03 **JCB#: 22-51414**

SVES Equipment Located Within Equipment Area

Field Photograph Log

New York State
Brownfield Cleanup Program

4566 Broadway, LLC
4566 Broadway Avenue
New York, New York 10040
BCP ID No.: C231054

Photo No. 04 **JCB#: 22-51414**

Vapor Point Sampling
03/28/2022

Field Photograph Log

New York State
Brownfield Cleanup Program

4566 Broadway, LLC
4566 Broadway Avenue
New York, New York 10040
BCP ID No.: C231054

Photo No. 05

JCB#: 22-51414

Appendix D
IC/EC 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. C231054

Site Name 4566 Broadway Avenue (Nagle)

Site Address: 4566 Broadway Avenue Zip Code: 10040
City/Town: New York
County: New York
Site Acreage: 0.360

Reporting Period: March 12, 2021 to March 12, 2022

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

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. C231054 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
2172-1	4566 Broadway, LLC	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The Institutional Controls (ICs):

- Compliance with the Environmental Easement and the approved SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater, soil, and soil vapor and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in this SMP;

The site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted residential, commercial, industrial and mixed use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- The potential for vapor intrusion must be evaluated for any buildings developed on-site and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the property are prohibited;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2172-1	Cover System Air Sparging/Soil Vapor Extraction

The Engineering controls (ECs):

Since contaminated groundwater and potentially contaminated soil and soil vapor exists beneath the Site, Engineering Controls (ECs) are required to protect human health and the environment. The Site has two primary Engineering Controls a SVE system and a site cover system.

SVE System Operation:
Part of the remedy for the Site included the construction of a SVE system that remains in operation.

Site Cover System:

Construction and maintenance of a cover system that will consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two (2) feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs).

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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
X	☐

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. C231054

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 Marcello Porcelli (print name) at 275 Madison Ave., 37th Fl., New York, NY 10016 (print business address),

am certifying as 4566 Broadway, LLC (Owner or ~~Remedial Party~~)

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

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

April 7, 2022
Date

EC CERTIFICATIONS

Box 7

Professional Engineer 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 Malcolm I. Barken (print name) at 32 Empress Pines Dr., Nesconset, NY 11767 (print business address),

am certifying as a Professional Engineer for the J.C. Broderick & Associates, Inc. (~~Owner or~~ Remedial Party)

Malcolm I. Barken

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

Stamp (Required for PE)

April 7, 2022

Date