1199 Sutter Avenue

Kings COUNTY

Brooklyn, NEW YORK

PERIODIC REVIEW REPORT

NYSDEC Site Number: C224141

Prepared for:

AAA Sutter Realty LLC

153-157 Seventh Street

Garden City, New York 11530

Prepared by:

EnviroTrac Engineering PE PC

5 Old Dock Road, Yaphank, NY 11980

(631) 924-3001

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

OCTOBER 2022

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. **C224141**

Site Name 1199 Sutter Avenue

Site Address: 1199 - 1221 Sutter Avenue Zip Code: 11208
City/Town: Brooklyn
County: Kings
Site Acreage: 0.532

Reporting Period: August 19, 2021 to August ~~19~~ 30, 2022

		YES	NO
1.	Is the information above correct? Reporting Period was extended to August 30, 2022	☐	☒
	If NO, include handwritten above or on a separate sheet.		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
	If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5.	Is the site currently undergoing development?	☐	☒

Box 2

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

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

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

Tracy Wall

Signature of Owner, Remedial Party or Designated Representative

10/4/2022

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?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. C224141 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
4248 - 1	AAA Sutter Realty, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
4248 - 1	Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction (temporarily shut down)

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.

Doug Wall — 10/4/2022

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C224141

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 Tracy Wall, PG (print name) at EnviroTrac Ltd. (print business address),

am certifying as AAA Sutter Realty, LLC (Owner or Remedial Party)

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

Tracy Wall

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

10/4/2022

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 Dale Konas, PE _____ at EnviroTrac Engineering PE PC _____,
print name print business address

am certifying as a Professional Engineer for the AAA Sutter Realty, LLC _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

PERIODIC REVIEW REPORT

Table of Contents

EnviroTrac

List of Tables

List of Figures

List of Appendices

List of Acronyms

AS	Air Sparging
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GHG	Green House Gas
GWE&T	Groundwater Extraction and Treatment
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules, and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision

List of Acronyms *(continued)*

RP	Remedial Party
RSO	Remedial System Optimization
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program

1.0 EXECUTIVE SUMMARY

1.1 Site Summary

The property at 1199 Sutter Avenue, Brooklyn, NY (the Site) is currently in the New York State Brownfield Cleanup Program (BCP), Site No. C224141, which is administered by the New York State Department of Environmental Conservation (NYSDEC). AAA Sutter Realty LLC entered into a Brownfield Cleanup Agreement (BCA) on August 2, 2012, with the NYSDEC to remediate the Site.

The subsurface at the Site has been impacted with tetrachloroethylene (PCE) due to the historical use of the eastern portion of the Site as a dry cleaner. Subsurface investigations and remedial activities were conducted at the Site from January 2009 through August 2018. The remedial activities included several sampling events for soil, soil vapor, ambient air, and groundwater, and two (2) non-emergency interim remedial measures (IRMs), which included in-situ chemical oxidation (ISCO) injections.

Based on the previous remedial investigations, the highest soil sample concentration for PCE was detected at 34,500 micrograms per kilogram (ug/kg) in January 2009, located in the rear parking area to the north of the former dry cleaner/current laundromat. The highest detected groundwater monitoring well sample concentration for PCE was 719 micrograms per liter (ug/L) in MW-10S in August 2017 beneath the former dry cleaner/current laundromat (in the basement).

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as remaining contamination. A Track 4 cleanup was implemented at the Site. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure the protection of public health and the environment, which included the installation, operation, maintenance, and monitoring (OMM) of a remediation system consisting of soil

vapor extraction (SVE) and air sparge (AS), and a mitigation system [sub-slab depressurization system (SSDS)] at the adjoining supermarket unit. An Environmental Easement granted to the NYSDEC, and recorded with the Kings County Clerk, requires compliance with the Site Management Plan (SMP) and all ECs and ICs placed on the Site.

Based on the groundwater monitoring results from August 2020, EnviroTrac requested to the NYSDEC that the AS portion of the remediation system be shut down for a period of six (6) months. Should groundwater concentrations increase over time at the Site, the AS could be turned back on. The AS has not been operating since July 2020 due to a damaged carbon vane. Since such time, the groundwater concentrations on and off-Site have not increased and have shown to steadily decrease over time. The NYSDEC approved the above plan on October 13, 2020.

During May and June 2021, soil samples were collected from three (3) borings at the Site that previously showed elevated PCE in the soil (B-7 in the laundromat basement, and S-3 and S-4 from the rear parking lot). The results showed that PCE was not detected at S-4 and was detected at concentrations well below its NYSDEC Unrestricted Use Soil Cleanup Objective (UUSCO) at B-7 and S-3. A soil vapor intrusion (SVI) investigation was also conducted within the basements of the laundromat and adjoining supermarket unit following shutting down the SVE and SSDS at the adjoining supermarket unit for a period of six (6) days. The results of the SVI investigation showed that mitigation was not required for the supermarket; however, a mitigation system should be operated for the laundromat basement due to a very slightly elevated concentration of trichloroethylene (TCE) in the indoor basement air. Based on these results, the NYSDEC and NYSDOH recommended the following: (1) the SVE and SSDS in the adjoining supermarket could be shut down, but not dismantled or decommissioned; (2) the extraction points within the basement of the current laundromat could be reconnected to the SSDS fan on the rear of the building; and (3) that an additional SVI investigation be conducted during the next heating season (beginning November 15, 2021) following a more extensive period of

shutdown for the SVE and SSDS in the adjoining supermarket. The SVE system was shut down and the wells in the basement of the former dry cleaner/current laundromat were reconnected to the SSDS fans on September 17, 2021. Also on September 17, 2021, the SSDS values for the piping within the adjoining supermarket were moved into a closed position. Based on the additional SVI investigation results, a decision would be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket. The NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

A follow-up SVI investigation was conducted on February 17, 2022 and included sub-slab soil vapor and indoor air samples within the former dry cleaner/current laundromat and adjoining supermarket. An outdoor air sample was also collected. The SSDS for the former dry cleaner/current laundromat was operating since the previous SVI investigation showed that the SSDS was required to be operating. However, the SSDS for the adjoining supermarket was not operating or valves were in the closed position on the piping for approximately five (5) months prior to the SVI investigation. The same scope of work was followed that was conducted for the previous SVI investigation. The results for the former dry cleaner/current laundromat showed that the SSDS for this unit was operating properly. The results for the adjoining supermarket unit showed that mitigation was not required when compared to the NYSDOH Decision Matrices. EnviroTrac recommended that the SSDS within the adjoining supermarket be able to be removed or permanently shut down. Based on the review of the report, the NYSDEC and NYSDOH indicated that a slight increase of PCE in the sub-slab soil vapor beneath the adjoining supermarket was observed. The NYSDEC and NYSDOH approved that the SSDS within the adjoining supermarket could remain off, but that an additional follow-up SVI investigation for only the adjoining supermarket be conducted in the following heating season (November 15, 2022, to March 30, 2023) to show that the PCE concentration in the sub-slab did not continue to increase and remained below the NYSDOH Decision Matrices values recommending mitigation.

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance, and reporting activities required by the SMP:

Institutional Controls:	• require the remedial party or Site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3); • allow the use and development of the controlled property for restricted residential and/or commercial as defined by Part 375-1.8(g), although land use is subject to local zoning laws; • restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or New York City Department of Health (NYCDOH); and • require compliance with the Department approved Site Management Plan (SMP).
Engineering Controls:	1. Cover system
	2. Sub-slab Depressurization (SSD) system (former dry cleaner/current laundromat only)

Inspections:	Frequency
1. Cover inspection	Annually
Monitoring:	
1. SSDS Extraction Points	Annually
2.Groundwater Monitoring Wells MW-1S, MW-2S, MW-5S, MW-8S, MW-10S, MW-11S	Annually
Maintenance:	
None	NA
Reporting:	
1. Periodic Review Report	Annually

1.2 Effectiveness of the Remedial Program

Currently the SVE and the SSDS within the supermarket has been shut down to evaluate whether these systems can be dismantled or decommissioned. The SSDS within the current laundromat is still operating. NYSDEC approved the change from monthly site visits to annual visits. The annual Site inspection was conducted on August 30, 2022. The ECs include the OMM of the SSDS and the maintenance of the Site cover system. The SSDS has been operating since May 2017. Monitoring results for the SSDS for the former dry cleaner/current laundromat showed that it was operating properly with no issues. The SSDS within the adjoining supermarket unit was approved for shutdown by the NYSDEC and NYSDOH following the review of the February 2022 SVI Investigation results. Inspection of the Site cover indicated no issues. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the remediation system. During all Site visits, no changes in the use of the Site were noted.

During May and June 2021, soil samples were collected from three (3) borings at the Site that previously showed elevated PCE in the soil (B-7 in the laundromat basement, and S-3 and S-4 from the rear parking lot). The results showed that PCE was not detected at S-4 and was detected at concentrations well below its NYSDEC Unrestricted Use Soil Cleanup Objective (UUSCO) at B-7 and S-3. A soil vapor intrusion (SVI) investigation was also conducted within the basements of the laundromat and adjoining supermarket unit following shutting down the SVE and SSDS at the adjoining supermarket unit for a period of six (6) days. The results of the SVI investigation showed that mitigation was not required for the supermarket; however, a mitigation system should be operated for the laundromat basement due to a very slightly elevated concentration of trichloroethylene (TCE) in the indoor basement air. Based on these results, the NYSDEC and NYSDOH recommended the following: (1) the SVE and SSDS in the adjoining supermarket could be shut down, but not dismantled or decommissioned; (2) the extraction points within the basement of the current laundromat could be reconnected to the SSDS fan on the rear of

the building; and (3) that an additional SVI investigation be conducted during the next heating season (beginning November 15, 2021) following a more extensive period of shutdown for the SVE and SSDS in the adjoining supermarket. The SVE system was shut down and the wells in the basement of the former dry cleaner/current laundromat were reconnected to the SSDS fans on September 17, 2021. Also on September 17, 2021, the SSDS values for the piping within the adjoining supermarket were moved into a closed position. Based on the additional SVI investigation results, a decision would be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket. The NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

A follow-up SVI investigation was conducted on February 17, 2022 and included sub-slab soil vapor and indoor air samples within the former dry cleaner/current laundromat and adjoining supermarket. An outdoor air sample was also collected. The SSDS for the former dry cleaner/current laundromat was operating since the previous SVI investigation showed that the SSDS was required to be operating. However, the SSDS for the adjoining supermarket was not operating or valves were in the closed position on the piping for approximately five (5) months prior to the SVI investigation. The same scope of work was followed that was conducted for the previous SVI investigation. The results for the former dry cleaner/current laundromat showed that the SSDS for this unit was operating properly. The results for the adjoining supermarket unit showed that mitigation was not required when compared to the NYSDOH Decision Matrices. EnviroTrac recommended that the SSDS within the adjoining supermarket be able to be removed or permanently shut down. Based on the review of the report, the NYSDEC and NYSDOH indicated that a slight increase of PCE in the sub-slab soil vapor beneath the adjoining supermarket was observed. The NYSDEC and NYSDOH approved that the SSDS within the adjoining supermarket could remain off, but that an additional follow-up SVI investigation for only the adjoining supermarket be conducted in the following heating season (November 15, 2022, to March 30, 2023) to show that the PCE concentration in the

sub-slab did not continue to increase and remained below the NYSDOH Decision Matrices values recommending mitigation.

1.3 Compliance

No areas of non-compliance were noted. Based on the above inspections, monitoring, and sampling results, the Site ICs and ECs are in compliance with the SMP.

1.4 Recommendations

EnviroTrac recommends that should the results of the upcoming SVI investigation conducted during the upcoming heating season (beginning November 15, 2022) show that mitigation is no longer required for the adjoining supermarket unit, that the SVE/AS system and SSDS for the adjoining supermarket unit be decommissioned and dismantled and associated wells and extraction points for the SVE and AS, and SSDS in the adjoining supermarket be properly abandoned. OMM for the Site will be reduced to a once annual visit to monitor the Site cover, SSDS for the laundromat, and groundwater monitoring.

2.0 SITE OVERVIEW

2.1 Site Location and Description

The Site is located in the County of Kings, New York and is identified as Block 4248 and Lot 1 on the Brooklyn Tax Map. A United States Geological Survey (USGS) topographical quadrangle map (**Figure 1**) shows the Site location. The Site is situated on an approximately 0.532-acre area bounded by the Site's northern parking lot, then residential housing, then Belmont Avenue to the north, Sutter Avenue and then New York City Housing Authority (NYCHA) Cypress Hills apartment complex to the south, Chestnut Street and then a US post office building to the east, and Crystal Street and then Cypress Hills Branch public library building to the west. The owner of the Site parcel is AAA Sutter Realty, LLC.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the retail/office building located at 1199-1221 Sutter Avenue in Brooklyn, New York. The Site is bounded by Sutter Avenue to the south, Chestnut Street to the east, the Site's northern parking lot, then residential properties to the north, and Crystal Street to the west. The Site contains a single-story commercial building along the southern portion and an asphalt parking lot covering the northern portion. Catch basins within the parking lot direct runoff into the municipal stormwater drainage system. The building at the Site is divided into five (5) separate retail/office units.

Sanitary waste and wastewater from the laundromat are discharged to the municipal sewerage system piping located beneath Sutter Avenue. The building is underlain with a basement segmented for each retail/office unit with utilities, storage, and service rooms. The Site is zoned for commercial purposes. The building at the Site is currently occupied by several commercial retail businesses, including a supermarket and a self-service

laundromat. A dry cleaner establishment formerly occupied the easternmost unit, which is currently occupied by the self-service laundromat.

The properties adjoining to the Site and in the neighborhood surrounding the Site primarily include commercial/municipal and residential properties. The properties immediately south of the Site include residential properties managed by the NYCHA, and known as the Cypress Hills Houses; the properties immediately north of the Site include residential dwellings along Chestnut Street and Crystal Street; the property immediately east of the Site includes a commercial/municipal property occupied by the US Post Office; and the property immediately west of the Site includes a commercial/municipal property occupied by the Cypress Hills Branch Public Library.

2.3 Investigation and Remedial History

The subsurface at the Site has been impacted with PCE due to the historical use of the eastern portion of the Site as a dry cleaner. Subsurface investigations and remedial activities were conducted at the Site from January 2009 through August 2018. The remedial activities included several sampling events for soil, soil vapor, ambient air, and groundwater, and two (2) non-emergency IRMs, which included ISCO injections.

Based on the previous remedial investigations, the highest soil sample concentration for PCE was detected at 34,500 ug/kg in January 2009, located in the rear parking area to the north of the former dry cleaner/current laundromat. The highest detected groundwater monitoring well sample concentration for PCE was 719 ug/L in MW-10S in August 2017 beneath the former dry cleaner/current laundromat (in the basement).

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as remaining contamination. A Track 4 cleanup was implemented at the Site. ICs and ECs have been incorporated into the Site remedy to control exposure to remaining contamination to ensure the protection of public health and

the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Kings County Clerk, requires compliance with the SMP and all ECs and ICs placed on the Site.

The current operating ECs include a SSDS at the former dry cleaner/current laundromat and the Site cover (building slab, concrete sidewalks, asphalt parking lot). Temporary shutdown ECs include the SVE/AS system and SSDS within the adjoining supermarket unit.

The SVE/AS system was installed at the Site from October to December 2018 and January 2019 and began operation in January 2019. The purpose of the SVE/AS system was to reduce the levels of remaining soil and groundwater contamination over time in the rear parking lot and beneath the basement of the former dry cleaner/current laundromat to at or below NYSDEC Residential Restricted Soil Cleanup Objectives (RRSCO)/NYSDEC Ambient Water Quality Standards and Guidance Values, and to capture vapors present beneath the slab of the former dry cleaner/current laundromat. The SVE/AS system was approved to be temporarily shut down by the NYSDEC and NYSDOH following the review of soil and groundwater sampling results collected May and June 2021. The AS system has not been operating since July 2020. The SVE system has not been operating since September 2021. The extraction wells in the basement of the former dry cleaner/current laundromat were reconnected to the SSDS fans in September 2021.

The SSDS located within the former dry cleaner/current laundromat and adjoining supermarket were installed July 2016. Based on an SVI Investigation conducted in May 2021, the SSDS for the former dry cleaner was required to remain in operation. Based on the SVI Investigations conducted in May 2021 and February 2022, the SSDS for the adjoining supermarket was allowed to be turned off by the NYSDEC and NYSDOH; however, follow-up SVI investigation sampling would be required for the following

heating season before a decision could be made regarding permanent shut down of the SSDS for the adjoining supermarket.

The Site cover consists of the building slab, concrete sidewalks, and asphalt pavement at and surrounding the Site. Maintaining the Site cover in good condition reduces exposure to vapors off-gassing from remaining soil and groundwater contamination within and surrounding the building at the Site.

3.0 REMEDIAL PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

3.1 Soil Vapor Extraction (SVE)

Currently the SVE system has been approved for temporary shutdown to evaluate whether the system can be dismantled or decommissioned. **Figure 2** shows the location of the ECs at the Site.

3.2 Sub-slab Depressurization System (SSDS)

The performance, effectiveness, and protectiveness of the SSDS in the former dry cleaner/current laundromat and adjoining supermarket are evaluated by conducting an annual certification and collecting vacuum readings from beneath the basement slabs. Currently the SSDS within the adjoining supermarket has been temporarily shut down to evaluate whether this system can be dismantled or decommissioned. No vacuum readings were collected for the SSDS in the adjoining supermarket. A follow-up SVI Investigation will be conducted within this unit in the next heating season.

A total of seven (7) vacuum monitoring points (VMPs) were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDSs. Five (4) VMPs were installed within the adjoining supermarket unit, and two (2) VMPS were installed within the current laundromat unit. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS blower (fans) (adjoining supermarket unit). **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 1** summarizes the VMP readings within the laundromat only since the SSDS for the supermarket is temporarily shut down. However, vacuum measured at the former dry cleaner/current laundromat VMPs were well above the acceptable level of vacuum,. The SSDS Site Management Form is provided in **Appendix A**.

3.3 Groundwater Monitoring Well Results

Natural attenuation of contaminants in groundwater are evaluated by sampling the groundwater over time and tracking the changes. Quarterly groundwater monitoring events have occurred since the start-up of the remediation system. Groundwater monitoring events were approved to be reduced to annual groundwater monitoring by the NYSDEC and NYSDOH. The annual groundwater monitoring event occurred in August 2022. Since the startup of the remediation system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. **Figure 3** shows the monitoring well locations and groundwater flow contour lines. **Table 2** summarizes the water level measurements from November 2020 to August 2022. **Table 3** summarizes the groundwater monitoring events at the Site from April 2016 to August 2022. The highest detected groundwater monitoring well sample concentration for PCE collected on August 11, 2022, was 15.3 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Only two (2) monitoring wells (MW-5S and MW-10S) had detections of PCE that are very slightly above its NYSDEC Class GA Ambient Water Standard. The next sampling event will be in August of 2023.

Since the startup of the remediation system, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform, cis-1,2-dichloroethylene (breakdown product of PCE), and TCE (breakdown product of PCE). Concentrations of chloroform were detected slightly above its respective NYSDEC Class GA Ambient Water Quality Standard for the August 2022 monitoring event in two (2) wells (MW-5S and MW-11S). The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that natural attenuation of contaminants is occurring at and off-Site.

4.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

4.1 IC/EC Compliance

Since remaining contamination exists at the Site, ICs and ECs are required to protect human health and the environment. IC compliance was conducted on an annual basis by performing a Site inspection to determine that activities conducted at the Site are not in violation with the Environmental Easement in August 2022. EC compliance is also conducted on an annual basis for the groundwater monitoring, SSDS within the former dry cleaner/current laundromat, and Site cover. Currently the SVE/AS system and SSDS within the supermarket are temporarily shut down and monitoring/sampling was not performed during this time.

4.1.1 Institutional Controls

Adherence to the ICs on the Site is required by the Environmental Easement. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown on **Figure 4**. These ICs:

- require the remedial party or Site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential, commercial, or industrial as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- require compliance with the Department approved SMP.

No changes in Site use were noted during any of the Site visits. Therefore, the adherence to the Environmental Easement was achieved.

4.1.2 Engineering Controls

4.1.2.1 Cover

The Site cover inspection was conducted on August 30, 2022. No changes to the use of the building at the Site were observed. No indications that an excavation occurred at the Site, and no significant cracks or holes were observed in the building basement floor, asphalt parking lot, or surrounding concrete pavement. The Site Inspection Form is provided in **Appendix C**. The cover system remains in good condition; therefore, it is protecting human health and the environment.

4.1.2.2 Soil Vapor Extraction (SVE)

Currently the SVE system has been shut down to evaluate whether the system can be permanently dismantled or decommissioned.

4.1.2.3 Sub-slab Depressurization System (SSDS)

Currently the SSDS within the adjoining supermarket unit has been shut down to evaluate whether the system can be permanently dismantled or decommissioned. Follow-up SVI Investigation will be conducted during the next heating season. The SSDS within the former dry cleaner/current laundromat is currently operating.

No issues were reported for the SSDS within the former dry cleaner/current laundromat unit, including the blower (fan), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDS. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS. **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 3** summarizes the VMP readings within the former dry cleaner/current laundromat. The VMPs located within the supermarket were not measured since this SSDS is temporarily shut down. However, vacuum measured at the former dry cleaner/current laundromat VMPs was well above the

acceptable level of vacuum,. The SSDS within the former dry cleaner/current laundromat is performing properly and therefore, protecting human health and the environment. The SSDS Site Management Form is provided in **Appendix A**.

4.1.2.4 Groundwater Monitoring Results

Quarterly groundwater monitoring events occurred since the remediation systems start-up. The NYSDEC and NYSDOH approved reducing the groundwater monitoring events to an annual basis since concentrations of CVOCs in groundwater significantly decrease since the startup of the remediation system. The annual groundwater monitoring event occurred in August 2022.

Since the startup of the remediation system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. **Figure 3** show the monitoring well locations and groundwater flow contour lines. **Table 2** summarizes the water level measurements from August 2019 to August 2022. **Table 3** summarizes the groundwater monitoring events at the Site from April 2016 to August 2022. The highest detected groundwater monitoring well sample concentration for PCE collected on August 30, 2022, was 15.3 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Some of the detected concentrations for PCE remain very slightly above its NYSDEC Class GA Ambient Water Quality Standard; however, have shown a significant decrease overall and have remained low (below 100 ug/L) since February 2020. Elevated PCE detections (100 ppb or greater) were previously shown in wells MW-5S (off-Site, across the street), MW-10S (on-Site in basement beneath the former dry cleaner/current laundromat), and MW-11S (on-Site in front of the former dry cleaner/current laundromat). Since the startup of the remediation system, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform, cis-1,2-dichloroethylene (breakdown product of PCE), and trichloroethylene (breakdown product of PCE). Concentrations of chloroform, cis-1,2-dichloroethylene, and trichloroethylene were detected slightly above their respective NYSDEC Class GA

Ambient Water Quality Standards in previous monitoring events; however, only chloroform was detected at a concentration slightly above its NYSDEC Class GA Ambient Water Quality Standard in two (2) wells (MW-5S and MW-11S) for the August 2022 monitoring event. The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that the natural attenuation is occurring and human health and the environment are protected on and off-Site.

4.2 Corrective Measures

No areas of non-compliance were noted. Based on the above inspections, monitoring, and sampling results, the Site ICs and ECs are in compliance with the SMP for the Site. Therefore, no corrective measures are recommended for the ICs and ECs.

4.3 Conclusions and Recommendations

The ICs/ECs are properly operating and being maintained at the Site in compliance with the Environmental Easement and SMP.

Based on an SVI Investigation conducted in May 2021, the SSDS for the former dry cleaner was required to remain in operation. Based on the SVI Investigations conducted in May 2021 and February 2022, the SSDS for the adjoining supermarket was allowed to be turned off by the NYSDEC and NYSDOH; however, follow-up SVI investigation sampling would be required for the following heating season before a decision could be made regarding permanent shut down of the SSDS for the adjoining supermarket.

EnviroTrac recommends that a follow-up SVI Investigation be conducted during the next heating season within the adjoining supermarket only to determine if the SSDS for this unit can be permanently shut down. Following this next SVI Investigation, the SMP will be modified to show the permanent change to the ECs for the Site.

4.4 IC/EC Certification

"*For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:*

- *The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*
- *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;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the Site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*
- *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 in this report is accurate and complete.*

I certify that all information and statements in this certification form 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, Dale Konas, PE, of EnviroTrac Engineering PE PC, 5 Old Dock Road, Yaphank, New York 11980, am certifying as

Owner's/Remedial Party's Designated Site Representative: I have been authorized and designated by all Site owners/remedial parties to sign this certification for the Site."

- *The assumptions made in the qualitative exposure assessment remain valid.*

I _DALE KONAS certify that I am currently a NYS registered professional engineer and that this Periodic Review Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

_____ P.E.

10/4/22 DATE

IC/EC Certification forms are provided following the cover page in this PRR.

5.1 Components of the Monitoring Plan

Media sampled as part of the Monitoring Plan include groundwater. Since the SVE system is no longer in operation, no effluent discharge sample was required to be collected. The groundwater monitoring results determine if natural attenuation at the Site is occurring. The following summarizes the monitoring conducted for the Site in compliance with the Monitoring Plan in the SMP.

An off-Site soil vapor intrusion investigation at the adjoining New York City Housing Authority (NYCHA) apartment building, to the south, across Sutter Avenue, was required by the NYSDEC and NYSDOH. However, access to the adjoining Cypress Hills apartment complex was not provided after several attempts by the Site property owner, the NYSDEC, and the NYSDOH.

5.1.1 Soil Vapor Extraction (SVE)

Currently the SVE system has been shut down to evaluate whether the system can be permanently dismantled or decommissioned.

5.1.2 Annual Groundwater Monitoring

An annual groundwater monitoring event occurred on August 20, 2022. Groundwater monitoring events were approved by the NYSDEC and NYSDOH to be conducted on an annual basis.

Since the startup of the remediation system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. **Figure 3** show the monitoring well locations and groundwater flow contour lines. **Table 2** summarizes the water level measurements from August 2019 to August 2022. **Table 3** summarizes the groundwater monitoring events at the Site from April 2016 to August 2022. The groundwater results are compared to the NYSDEC Class GA Ambient Water Quality Standards. The highest detected groundwater monitoring well sample concentration for

PCE collected on August 30, 2022, was 15.3 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Some of the detected concentrations for PCE remain very slightly above its NYSDEC Class GA Ambient Water Quality Standard; however, have shown a significant decrease overall and have remained low (below 100 ug/L) since February 2020. Elevated PCE detections (100 ppb or greater) were previously shown in wells MW-5S (off-Site, across the street), MW-10S (on-Site in basement beneath the former dry cleaner/current laundromat), and MW-11S (on-Site in front of the former dry cleaner/current laundromat). Since the startup of the remediation system and natural attenuation of contaminants, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform, cis-1,2-dichloroethylene (breakdown product of PCE), and trichloroethylene (breakdown product of PCE). Concentrations of chloroform, cis-1,2-dichloroethylene, and trichloroethylene were detected slightly above their respective NYSDEC Class GA Ambient Water Quality Standards in previous monitoring events; however, only chloroform was detected at a concentration slightly above its NYSDEC Class GA Ambient Water Quality Standard in two (2) wells (MW-5S and MW-11S) for the August 2022 monitoring event. The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that natural attenuation at the Site has been occurring and human health and the environment are protected.

5.1.3 Off-Site Soil Vapor Intrusion Sampling

No response was provided by several previous attempts regarding access to the adjoining apartment complex to the south. If, in the future, the NYCHA permits access, the Participant (Site property owner) will proceed with sampling in accordance with the On-Site and Off-Site SVI Investigation Work Plan, prepared by EnviroTrac Ltd., dated December 16, 2006.

5.2 Monitoring Deficiencies

No monitoring deficiencies were reported for the Site.

5.3 Conclusions and Recommendations

EnviroTrac recommends that the annual groundwater monitoring continue on an annual basis.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

6.1 Components of the Operation, Maintenance, and Monitoring (OMM) Plan

Currently the SVE and the SSDS within the adjoining supermarket unit have been temporarily shut down to evaluate whether the system can be permanently dismantled or decommissioned. The SSDS within the former dry cleaner/current laundromat is still operating. OMM visits are conducted on an annual basis for the SSDS in the former dry cleaner/current laundromat.

6.1.1 Soil Vapor Extraction (SVE)

Currently the SVE system has been temporarily shut down to evaluate whether the system can be permanently dismantled or decommissioned.

6.1.2 Sub-slab Depressurization System (SSDS)

Currently the SSDS within the adjoining supermarket has been temporarily shut down to evaluate whether the system can be permanently dismantled or decommissioned. The SSDS within the former dry cleaner/current laundromat is still operating. An annual certification and collection of vacuum readings from beneath the basement slab were conducted on August 30, 2022. No issues were reported for the SSDS within the former dry cleaner/current laundromat unit, including the blower (fan), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDS and SVE. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS for the adjoining supermarket unit and the SVE system for the laundromat unit. **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 1** summarizes the VMP readings within the former dry cleaner/current laundromat. The VMPs located within the adjoining supermarket were not measured since this system is temporarily shut down. However, vacuum measured at the laundromat VMPs were well above the acceptable level of vacuum,. The SSDS within the former dry cleaner/current

laundromat unit is performing properly and therefore, protecting human health and the environment. The SSDS Site Management Form is provided in **Appendix A**.

6.2 Operation, Maintenance, and Monitoring (OMM) Deficiencies

No OMM deficiencies were reported for the SSDS within the former dry cleaner/current laundromat.

6.3 Conclusions and Recommendations

Based on an SVI Investigation conducted in May 2021, the SSDS for the former dry cleaner was required to remain in operation. Based on the SVI Investigations conducted in May 2021 and February 2022, the SSDS for the adjoining supermarket was allowed to be turned off by the NYSDEC and NYSDOH; however, follow-up SVI investigation sampling would be required for the following heating season before a decision could be made regarding permanent shut down of the SSDS for the adjoining supermarket.

EnviroTrac recommends that a follow-up SVI Investigation be conducted during the next heating season within the adjoining supermarket only to determine if the SSDS for this unit can be permanently shut down. Following this next SVI Investigation, the SMP will be modified to show the permanent change to the ECs for the Site.

7.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

7.1 Compliance with the SMP

No areas of non-compliance were noted. Based on the above inspections, monitoring, and sampling results, the Site ICs and ECs are in compliance with the SMP for the Site. During all site visits, no changes in the use of the Site were noted.

7.2 Effectiveness of the Remedial Program

Currently the SVE system and the SSDS within the adjoining supermarket unit have been temporarily shut down to evaluate whether these systems can be permanently dismantled or decommissioned. The SSDS within the former dry cleaner/current laundromat is still operating. The groundwater monitoring event, the SSDS certification, and Site cover inspection were conducted annually on August 30, 2022. The ECs include the OMM of a SSDS and the maintenance of the Site cover. The SSDS has been operating since May 2017. Monitoring results for the SSDS within the former dry cleaner/current laundromat showed that they were operating properly with no issues. Inspection of the Site cover indicated no issues and no changes in Site use. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the remediation system and continued natural attenuation following the shutdown of the remediation system.

7.3 Future PRR Submittals

PRR will continue to be submitted on an annual basis.

7.4 Recommendations

Based on an SVI Investigation conducted in May 2021, the SSDS for the former dry cleaner was required to remain in operation. Based on the SVI Investigations conducted in May 2021 and February 2022, the SSDS for the adjoining supermarket was allowed to be turned off by the NYSDEC and NYSDOH; however, follow-up SVI

investigation sampling would be required for the following heating season before a decision could be made regarding permanent shut down of the SSDS for the adjoining supermarket.

EnviroTrac recommends that a follow-up SVI Investigation be conducted during the next heating season within the adjoining supermarket only to determine if the SSDS for this unit can be permanently shut down. Following this next SVI Investigation, the SMP will be modified to show the permanent change to the ECs for the Site.

The groundwater monitoring event, SSDS certification, and Site cover inspection will continue on an annual basis for the Site.

.

FIGURES

TOPOGRAPHIC MAP

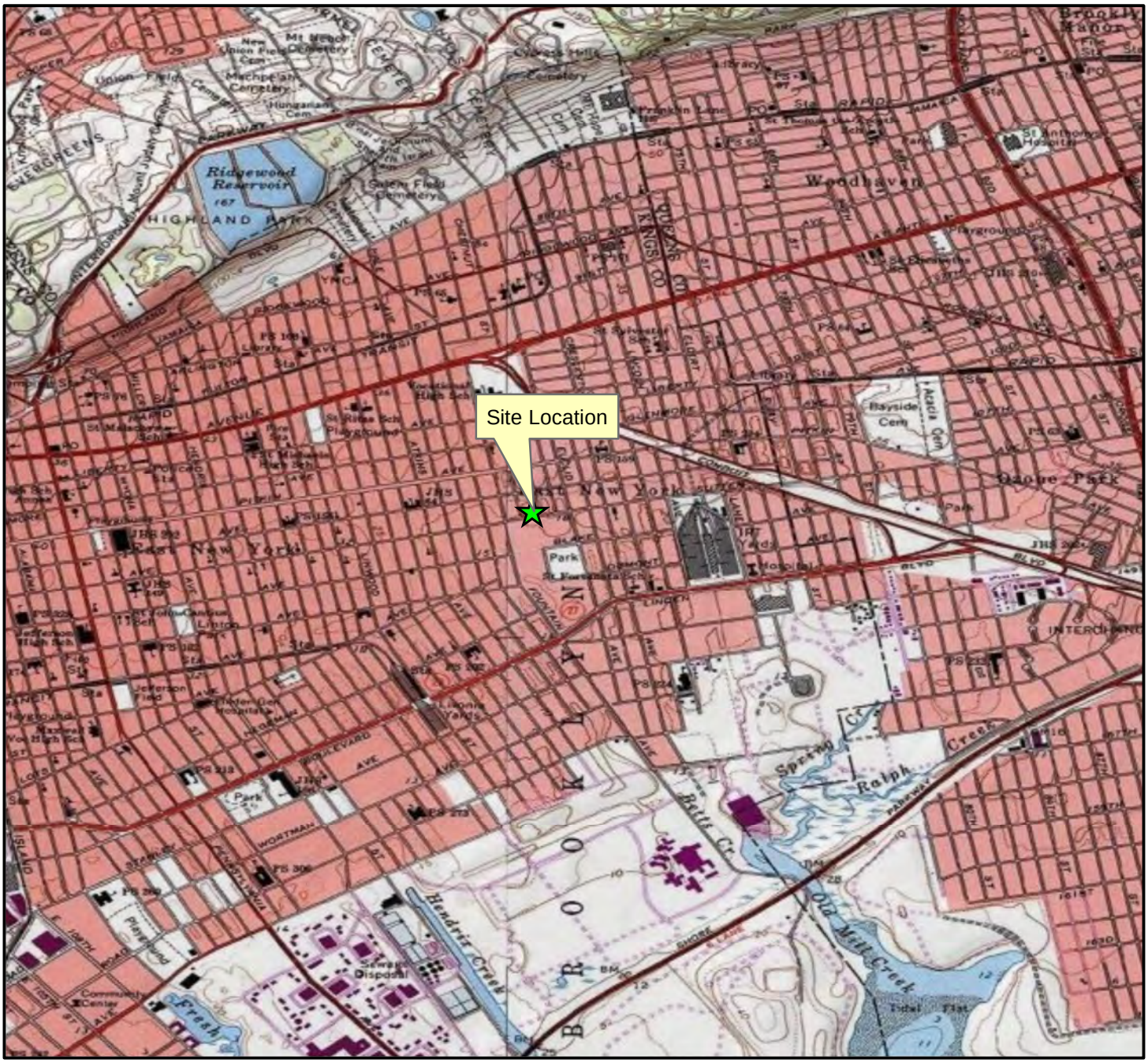


Figure 1
Topographic Map

1199 Sutter Avenue
Brooklyn, NY 11208

USGS Quadrangle:
Brooklyn

Approx. Elevation:
19 feet

N
W E
S

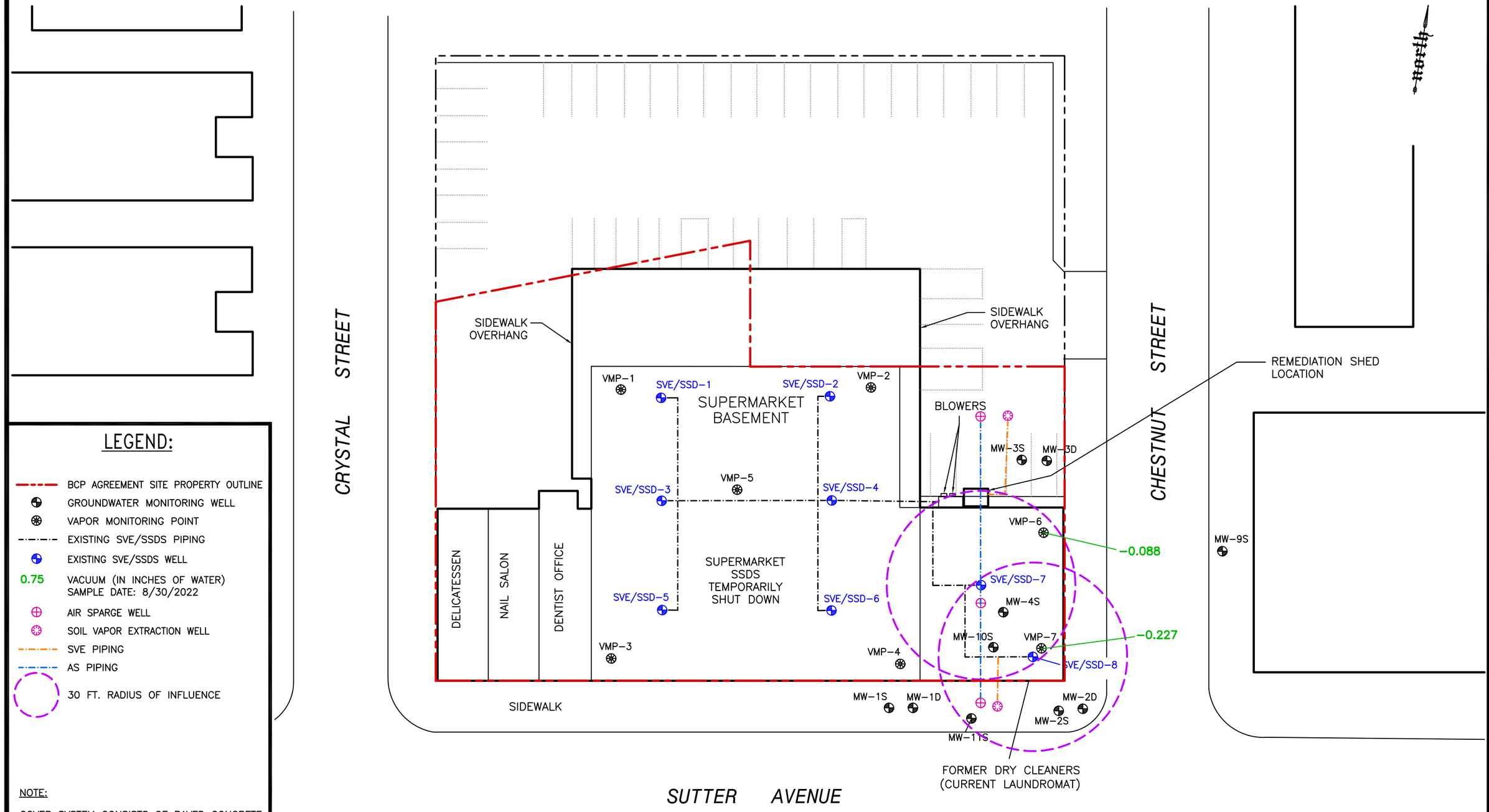
EnviroTrac
Environmental Services
5 Old Dock Road
Yaphank, NY 11980
P: 631-924-3001 F:631-924-5001

LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- EXISTING SVE/SSDS PIPING
- EXISTING SVE/SSDS WELL
- 0.75 — VACUUM (IN INCHES OF WATER) SAMPLE DATE: 8/30/2022
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SVE PIPING
- AS PIPING
- 30 FT. RADIUS OF INFLUENCE

NOTE:

COVER SYSTEM CONSISTS OF PAVED CONCRETE AND ASPHALT AND BUILDING FOUNDATION PRESENT WITHIN THE SITE BOUNDARY.



EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

0 15 30
SCALE IN FEET

DATE: 9/20/2022

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

AS-BUILT: ENGINEERING CONTROLS LOCATIONS SVE/AS REMEDIATION SYSTEM/SSDS MITIGATION SYSTEM AND COVER SYSTEM

FIGURE # 2

CRYSTAL STREET

CHESTNUT STREET

SUPERMARKET BASEMENT

DELICATESSEN

NAIL SALON

DENTIST OFFICE

VMP-1

VMP-2

VMP-3

VMP-4

VMP-5

VMP-6

VMP-7

MW-1S

MW-1D

MW-2D

MW-2S

MW-3S

MW-3D

MW-4S

MW-5S

MW-5D

MW-6D

MW-6S

MW-7S

MW-7D

MW-8S

MW-8D

MW-9S

MW-10S

MW-11S

5.27

5.25

5.20

5.15

5.16

DRY

5.10

5.54

5.05

4.97

5.00

SIDEWALK

SIDEWALK

FORMER DRY CLEANERS
(CURRENT LAUNDROMAT)

SUTTER AVENUE

NYC HOUSING
AUTHORITY PROPERTY

APARTMENT BUILDING

APARTMENT BUILDING

LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 5.15 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 8/30/2022

EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

0 20 40
SCALE IN FEET

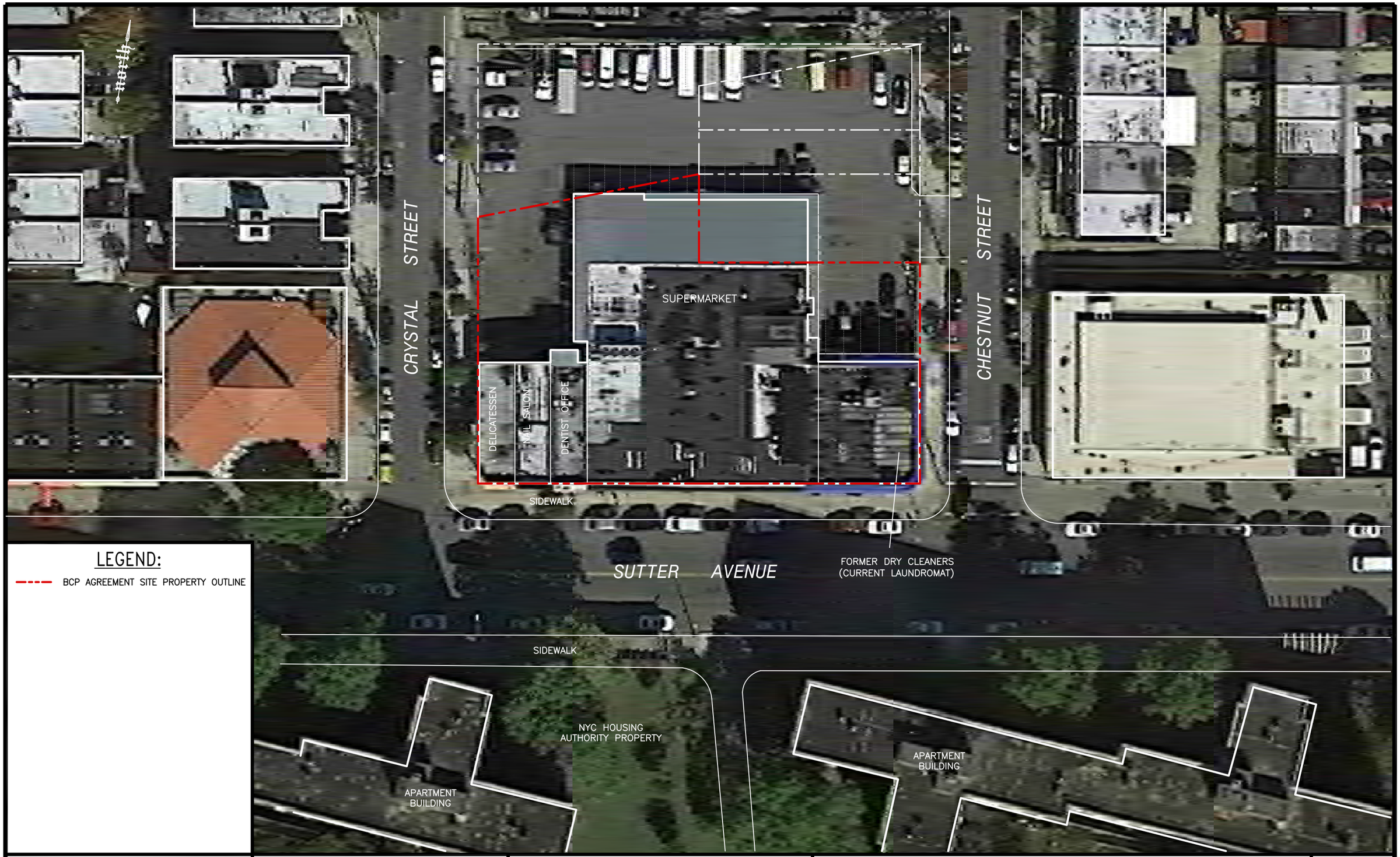
DATE: 9/20/2022

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
AUGUST 30, 2022

FIGURE #
3



LEGEND:

BCP AGREEMENT SITE PROPERTY OUTLINE

EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

0 20 40
SCALE IN FEET

DATE: 9/9/2020

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

INSTITUTIONAL CONTROL BOUNDARIES

FIGURE #
4

TABLES

Table 1
Vacuum Monitoring Point Measurements
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Location ID	Vacuum (inches of water
Date	8/30/2022
VMP-1	-
VMP-2	-
VMP-3	-
VMP-4	-
VMP-5	-
VMP-6	-0.088
VMP-7	-0.227

Note:
The supermarket SSDS is temporarily shutdown. Therefore, no vacuum readings were recorded for VP-1 through VMP-5.

EnviroTrac

Table 2
Water Level Measurements
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Well ID	Casing Elevation (in feet above mean sea level)	Date	DTW (in feet below grade)	DTB (in feet below grade)	Water Table Elevation (in feet above mean sea level)
MW-1S	17.51	8/13/2019	12.21	NM	5.30
		11/12/2019	12.30	NM	5.21
		2/14/2020	12.21	25.00	5.30
		5/20/2020	12.29	NM	5.22
		8/26/2020	12.60	NM	4.91
		11/18/2020	12.61	NM	4.90
		2/26/2021	12.31	NM	5.20
		5/4/2021	12.25	NM	5.26
		8/18/2021	12.53	NM	4.98
		8/30/2022	12.36	25.00	5.15
MW-1D	17.92	8/13/2019	12.35	NM	5.57
		11/12/2019	12.60	NM	5.32
		2/14/2020	12.33	28.83	5.59
		5/20/2020	12.35	NM	5.57
		8/26/2020	12.61	NM	5.31
		11/18/2020	12.56	NM	5.36
		2/26/2021	12.70	NM	5.22
		5/4/2021	12.55	NM	5.37
		8/18/2021	NM	NM	-
		8/30/2022	12.47	39.90	5.45
MW-2S	18.05	8/13/2019	12.75	NM	5.30
		11/12/2019	12.80	NM	5.25
		2/14/2020	12.60	24.68	5.45
		5/20/2020	12.85	NM	5.20
		8/26/2020	12.71	NM	5.34
		11/18/2020	12.83	NM	5.22
		2/26/2021	12.45	NM	5.60
		5/4/2021	12.31	NM	5.74
		8/18/2021	12.78	NM	5.27
		8/30/2022	Dry	12.87	-
MW-2D	18.13	8/13/2019	12.85	NM	5.28
		11/12/2019	13.23	NM	4.90
		2/14/2020	12.75	39.31	5.38
		5/20/2020	12.88	NM	5.25
		8/26/2020	12.73	NM	5.40
		11/18/2020	12.79	NM	5.34
		2/26/2021	12.61	NM	5.52
		5/4/2021	12.73	NM	5.40
		8/18/2021	12.81	NM	5.32
		8/30/2022	13.02	39.32	5.11
MW-3S	18.08	8/13/2019	12.61	NM	5.47
		11/12/2019	12.85	NM	5.23
		2/14/2020	12.45	24.90	5.63
		5/20/2020	12.65	NM	5.43
		8/26/2020	12.60	NM	5.48
		11/18/2020	12.58	NM	5.50
		2/26/2021	12.41	NM	5.67
		5/4/2021	12.20	NM	5.88
		8/18/2021	12.54	NM	5.54
		8/30/2022	12.81	24.71	5.27
MW-3D	18.48	8/13/2019	13.21	NM	5.27
		11/12/2019	13.20	NM	5.28
		2/14/2020	12.93	40.01	5.55
		5/20/2020	12.89	NM	5.59
		8/26/2020	12.62	NM	5.86
		11/18/2020	12.55	NM	5.93
		2/26/2021	12.45	NM	6.03
		5/4/2021	12.30	NM	6.18
		8/18/2021	12.50	NM	5.98
		8/30/2022	13.22	40.30	5.26
MW-4S	9.88	8/13/2019	NM	NM	-
		11/12/2019	NM	NM	-
		2/14/2020	3.92	10.03	5.96
MW-5S	17.84	8/13/2019	12.56	NM	5.28
		11/12/2019	12.70	NM	5.14
		2/14/2020	12.70	24.30	5.14
		5/20/2020	12.67	NM	5.17
		8/26/2020	12.67	NM	5.17
		11/18/2020	12.58	NM	5.26
		2/26/2021	12.91	NM	4.93
		5/4/2021	12.70	NM	5.14
		8/18/2021	12.54	NM	5.30
		8/30/2022	12.79	24.35	5.05
MW-5D	17.80	8/13/2019	12.51	NM	5.29
		11/12/2019	12.80	NM	5.00
		2/14/2020	12.70	39.20	5.10
		5/20/2020	12.70	NM	5.10
		8/26/2020	12.69	NM	5.11
		11/18/2020	12.72	NM	5.08
		2/26/2021	12.84	NM	4.96
		5/4/2021	12.80	NM	5.00
		8/18/2021	12.72	NM	5.08
		8/30/2022	12.74	39.36	5.06

Notes:
DTW = Depth to water
DTB = Depth to bottom
NM = Not Monitored/Not Detected

EnviroTrac

Table 2
Water Level Measurements
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Well ID	Casing Elevation (in feet above mean sea level)	Date	DTW (in feet below grade)	DTB (in feet below grade)	Water Table Elevation (in feet above mean sea level)
MW-6S	17.36	8/13/2019	11.65	NM	5.71
		11/12/2019	12.20	NM	5.16
		2/14/2020	12.10	24.90	5.26
		5/20/2020	12.49	NM	4.87
		8/26/2020	12.53	NM	4.83
		11/18/2020	12.54	NM	4.82
		2/26/2021	12.39	NM	4.97
		5/4/2021	12.35	NM	5.01
		8/18/2021	12.40	NM	4.96
		8/30/2022	11.82	24.23	5.54
MW-6D	16.90	8/13/2019	12.01	NM	4.89
		11/12/2019	11.80	NM	5.10
		2/14/2020	12.30	40.30	4.60
		5/20/2020	12.80	NM	4.10
		8/26/2020	12.70	NM	4.20
		11/18/2020	12.55	NM	4.35
		2/26/2021	12.59	NM	4.31
		8/18/2021	12.52	NM	4.38
		8/30/2022	12.28	40.31	4.62
MW-7S	18.04	8/13/2019	12.85	NM	5.19
		11/12/2019	12.80	NM	5.24
		2/14/2020	12.80	25.40	5.24
		5/20/2020	12.81	NM	5.23
		8/26/2020	12.93	NM	5.11
		11/18/2020	12.89	NM	5.15
		2/26/2021	Blocked	NM	-
		5/4/2021	Blocked	NM	-
		8/18/2021	13.05	NM	4.99
		8/30/2022	12.99	25.42	5.05
MW-7D	18.29	8/13/2019	12.92	NM	5.37
		11/12/2019	12.89	NM	5.40
		2/14/2020	12.88	39.90	5.41
		5/20/2020	12.80	NM	5.49
		8/26/2020	12.94	NM	5.35
		11/18/2020	12.95	NM	5.34
		2/26/2021	Blocked	NM	-
		5/4/2021	Blocked	NM	-
		8/18/2021	11.95	NM	6.34
		8/30/2022	13.02	39.90	5.27
MW-8S	18.08	8/13/2019	12.95	NM	5.13
		11/12/2019	13.10	NM	4.98
		2/14/2020	13.29	19.90	4.79
		5/20/2020	13.03	NM	5.05
		8/26/2020	13.01	NM	5.07
		11/18/2020	13.08	NM	5.00
		2/26/2021	13.04	NM	5.04
		5/4/2021	13.09	NM	4.99
		8/18/2021	12.32	NM	5.76
		8/30/2022	13.11	19.90	4.97
MW-8D	18.40	8/13/2019	13.32	NM	5.08
		11/12/2019	13.40	NM	5.00
		2/14/2020	13.31	40.41	5.09
		5/20/2020	13.09	NM	5.31
		8/26/2020	13.04	NM	5.36
		11/18/2020	13.09	NM	5.31
		2/26/2021	13.14	NM	5.26
		5/4/2021	13.40	NM	5.00
		8/18/2021	12.81	NM	5.59
		8/30/2022	13.42	40.00	4.98
MW-9S	18.66	8/13/2019	13.45	NM	5.21
		11/12/2019	NM	NM	-
		2/14/2020	13.23	22.09	5.43
		5/20/2020	13.40	NM	5.26
		8/26/2020	NM	NM	Vehicle Blocked Well
		11/18/2020	12.34	NM	6.32
		2/26/2021	12.11	NM	6.55
		5/4/2021	12.02	NM	6.64
		8/18/2021	12.51	NM	6.15
		8/30/2022	NM	NM	Could Not Find Well
MW-10S	9.93	8/13/2019	4.60	NM	5.33
		11/12/2019	NM	NM	-
		2/14/2020	4.28	10.60	5.65
		5/20/2020	4.32	NM	5.61
		8/26/2020	4.40	NM	5.53
		11/18/2020	4.31	NM	5.62
		2/26/2021	4.10	NM	5.83
		5/4/2021	4.01	NM	5.92
		8/18/2021	4.32	NM	5.61
		8/30/2022	4.73	10.75	5.20
MW-11S	17.71	8/13/2019	12.45	NM	5.26
		11/12/2019	NM	NM	-
		2/14/2020	12.46	25.00	5.26
		5/20/2020	12.08	NM	5.63
		8/26/2020	12.32	NM	5.39
		11/18/2020	12.83	NM	4.88
		2/26/2021	12.25	NM	5.46
		5/4/2021	12.15	NM	5.56
		8/18/2021	12.80	NM	4.91
		8/30/2022	12.55	25.04	5.16

Notes:
DTW = Depth to water
DTB = Depth to bottom
NM = Not Monitored/Not Detected

EnviroTrac

Table 3
Summary of Groundwater Monitoring Results
April 2016 - August 2021
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Sample ID	MW-1S														
Sample Date	**7/20/2011**	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/2021**	**5/4/2021**	**8/11/2021**	**8/30/2022**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	ND	ND	ND	18.4	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Chloroform	**30.0**	ND	ND	ND	ND	1.00	1.50	5.30	**7.10**	3.70	3.60	**14.6**	1.90	1.70	ND
cis-1,2-Dichloroethylene	0.71 J	ND	ND	ND	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**84.0**	**49.5**	**46.1**	**24.9**	**21.7**	**21.6**	**18.4**	**11.6**	**5.4**	**14.4**	**8.10**	**5.30**	1.30	3.60	2.10
Trichloroethene	3.2	2.1	2.8	1.3	ND	1.2	ND	ND	ND	ND	ND	2.2	ND	ND	ND

Sample ID	MW-2S														
Sample Date	**7/20/2011**	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/2021**	**5/4/2021**	**8/11/2021**	**8/30/2022**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	8.90	ND	ND	13.4	ND	ND	ND	ND	ND	ND	ND	7.00	NS	NS
Chloroform	**13.0**	ND	ND	ND	ND	**8.40**	2.80	**7.70**	5.70	4.90	3.50	4.80	5.50	**13.4**	ND
cis-1,2-Dichloroethylene	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**10.0**	2.20	1.10	2.90	1.50	ND	ND	ND	ND	1.50	1.00	1.30	ND	ND	ND
Trichloroethene	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	MW-4S	MW-10S													
Sample Date	**4/6/2016**	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/221**	**5/4/2021**	**8/11/2021**	**8/30/2022**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	ND	ND	ND	12.4	ND	6.70	ND	ND	ND	ND	ND	ND	NS	NS
Chloroform	3.00 J	1.50	1.40	ND	ND	ND	ND	ND	3.30	2.70	1.30	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	2.60	ND	**6.10**	**5.10**	**5.30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**390**	**575**	**363**	**441**	**719**	**111**	**112**	**78.8**	**59.8**	**47.1**	**34.0**	**34.2**	**26.4**	**23.6**	**15.3**
Trichloroethene	**14.0**	**21.0**	**16.2**	**13.4**	**16.2**	2.20	2.00	1.10	ND	ND	ND	ND	ND	ND	ND

Sample ID	MW-11S														NYSDEC
Sample Date	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/2021**	**5/4/2021**	**8/11/2021**	**8/30/2022**	**Groundwater Standards**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	ND	ND	9.00	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	50
Chloroform	ND	ND	ND	ND	**9.00**	**9.80**	1.00	**9.50**	6.70	2.90	3.10	**8.5**	**9.1**	2.8	7
cis-1,2-Dichloroethylene	ND	1.50	3.50	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethene	**24.1**	**37.4**	**86.7**	**105**	1.70	ND	**7.00**	1.50	1.20	1.60	**17.1**	1.10	ND	ND	5*
Trichloroethene	1.10	2.00	3.40	4.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-5S														
Sample Date	**4/6/2016**	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/2021**	**5/4/2021**	**8/11/2021**	**8/30/2022**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Chloroform	2.40 J	ND	ND	ND	ND	**8.30**	4.30	**8.00**	**7.70**	5.10	4.50	2.60	1.10	ND	2.10
cis-1,2-Dichloroethylene	**5.10**	ND	**5.30**	4.80	ND	2.20	ND	ND	ND	ND	ND	1.30	ND	2.00	ND
Tetrachloroethene	**200**	**122**	**128**	**136**	**258**	**45.1**	**17.3**	**12.3**	**14.3**	**6.80**	**12.6**	**17.0**	3.80	**19.2**	**5.1**
Trichloroethene	**10.0**	**7.40**	**8.20**	**7.30**	**9.60**	2.40	1.20	ND	ND	ND	ND	1.20	ND	1.60	ND

Sample ID	MW-8S														
Sample Date	**4/6/2016**	**5/17/2017**	**6/27/2017**	**7/27/2017**	**8/29/2017**	**8/13/2019**	**11/22/2019**	**2/14/2020**	**5/20/2020**	**8/26/2020**	**11/18/2020**	**2/10/2021**	**5/4/2021**	**8/11/2021**	**8/30/2022**
Volatile Organic Compounds *(in micrograms per liter)*															
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Chloroform	3.30 J	ND	ND	ND	ND	ND	ND	1.00	ND	1.30	2.80	2.20	2.70	6.10	ND
cis-1,2-Dichloroethylene	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	ND	ND	ND
Tetrachloroethene	**12.0**	**5.50**	4.30	4.40	**8.40**	**13.9**	**6.40**	**6.80**	**8.30**	**5.20**	**6.50**	**7.30**	**10.7**	**11.0**	3.9
Trichloroethene	0.62 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Only detected analytes are reported.
ND = Not Detected
NS = Not Sampled
J = The concentration is estimated.
* = The Principal Organic Compound Standard applies
Bold values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards.

EnviroTrac
Environmental Services

APPENDICES

APPENDIX A

SSDS Site Management Form

Operation & Maintenance Data Sheet for SSD System
AAA Sutter Realty LLC
1199 Sutter Avenue
Brooklyn, New York

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 08/30/22
Weather / Temp: P. cloudy 85°F
Technician / Operator: Matthew Mranda

Arrival Time: 0700
Departure Time: 1400

System Status

	Arrival	Departure		
SSDS SVE Blower 1 (ON/OFF)				
Alarm (ON/OFF)				

Sub-Slab Depressurization System

Total Air Flow Rate (cfm)			SVE System off.	
Inline Air Filter (F-1) Inlet Vacuum ("H2O)				
Inlet Vacuum ("H2O)				
Fresh Air Valve Open (%)				
Inlet Temperature (°F)				
Outlet Temperature (°F)				
Outlet Pressure ("H2O)				

SSDS Extraction Points - Vacuum/Flow Rate/PID

SSD-1 ("H2O)/(cfm)/(ppm)	off	off	off	SSD-5 ("H2O)/(cfm)/(ppm)	off	off	off
SSD-2 ("H2O)/(cfm)/(ppm)	↓	↓	↓	SSD-6 ("H2O)/(cfm)/(ppm)	↓	↓	↓
SSD-3 ("H2O)/(cfm)/(ppm)				SSD-7	-15+	5.5	—
SSD-4 ("H2O)/(cfm)/(ppm)				SSD-8	-15+	3.0	—

Soil Vapor Monitoring Points - Vacuum Influence/PID

VMP-1 ("H2O)/(ppm)		
VMP-2 ("H2O)/(ppm)		
VMP-3 ("H2O)/(ppm)		
VMP-4 ("H2O)/(ppm)		
VMP-5 ("H2O)/(ppm)		
VMP-6 ("H2O)/(ppm)	-0.093	0.0
VMP-7 ("H2O)/(ppm)	-0.227	0.0

↳ SSD-8 has more than -15" H_2O vacuum gauge is maxed out

↳ SSD-7 has more than -15" H_2O vacuum. gauge is maxed out

Notes, Comments & Observations:

Could not get a PID reading on individual legs for SSD-7 & SSD-8. Screened SSDS Exhaust, 0.0ppm

EnviroTrac Environmental Services

APPENDIX B

Laboratory Report

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 09, 2022

Mr. Ed Russo
Envirotrac
5 Old Dock Road
Yaphank, NY 11980

RE: Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Dear Mr. Russo:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

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

Sincerely,

Lori A. Beyer
lori.beyer@pacelabs.com
(516)370-6014
Project Manager

Enclosures

cc: Ms. Crystal Bakewicz, Envirotrac
Mike Rose, Envirotrac
Tracy Wall, Envirotrac Ltd.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70227885001	**MW-1S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885002	**MW-2S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885003	**MW-5S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885004	**MW-8S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885005	**MW-10S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885006	**MW-11S**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885008	**BD**	EPA 8260C/5030C	BBL	28	PACE-MV
70227885009	**TRIP BLANK**	EPA 8260C/5030C	BBL	28	PACE-MV

PACE-MV = Pace Analytical Services - Melville

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: September 09, 2022

General Information:
8 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 272160

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 1374309)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 1374310)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 1374350)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 1374351)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MW-10S (Lab ID: 70227885005)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MW-1S (Lab ID: 70227885001)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MW-2S (Lab ID: 70227885002)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene
- MW-5S (Lab ID: 70227885003)
  - 1,2-Dibromo-3-chloropropane
  - trans-1,4-Dichloro-2-butene

QC Batch: 272504

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BD (Lab ID: 70227885008)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: September 09, 2022

QC Batch: 272504

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- trans-1,4-Dichloro-2-butene
- BLANK (Lab ID: 1376039)
  - trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 1376040)
  - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 1376609)
  - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 1376610)
  - trans-1,4-Dichloro-2-butene
- MW-11S (Lab ID: 70227885006)
  - trans-1,4-Dichloro-2-butene
- MW-8S (Lab ID: 70227885004)
  - trans-1,4-Dichloro-2-butene
- TRIP BLANK (Lab ID: 70227885009)
  - trans-1,4-Dichloro-2-butene

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: MW-1S **Lab ID: 70227885001** Collected: 08/30/22 11:58 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/02/22 23:59	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/02/22 23:59	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	96-12-8	v3
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	79-34-5	
Tetrachloroethene	**2.1**	ug/L	1.0	1		09/02/22 23:59	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/02/22 23:59	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/02/22 23:59	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/02/22 23:59	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%	81-122	1		09/02/22 23:59	17060-07-0	
4-Bromofluorobenzene (S)	86	%	79-118	1		09/02/22 23:59	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		09/02/22 23:59	2037-26-5	

Sample: MW-2S **Lab ID: 70227885002** Collected: 08/30/22 12:22 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/03/22 00:18	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/03/22 00:18	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	96-12-8	v3
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	110-57-6	v3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: MW-2S **Lab ID: 70227885002** Collected: 08/30/22 12:22 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:18	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:18	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:18	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	81-122	1		09/03/22 00:18	17060-07-0	
4-Bromofluorobenzene (S)	87	%	79-118	1		09/03/22 00:18	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		09/03/22 00:18	2037-26-5	

Sample: MW-5S **Lab ID: 70227885003** Collected: 08/30/22 11:03 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/03/22 00:36	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-00-3	
Chloroform	**2.1**	ug/L	1.0	1		09/03/22 00:36	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	96-12-8	v3
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: MW-5S **Lab ID: 70227885003** Collected: 08/30/22 11:03 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Tetrachloroethene	**5.1**	ug/L	1.0	1		09/03/22 00:36	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:36	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:36	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:36	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	81-122	1		09/03/22 00:36	17060-07-0	
4-Bromofluorobenzene (S)	85	%	79-118	1		09/03/22 00:36	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		09/03/22 00:36	2037-26-5	

Sample: MW-8S **Lab ID: 70227885004** Collected: 08/30/22 10:35 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/07/22 16:01	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/07/22 16:01	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	79-34-5	
Tetrachloroethene	**3.9**	ug/L	1.0	1		09/07/22 16:01	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 16:01	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 16:01	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/07/22 16:01	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	81-122	1		09/07/22 16:01	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: MW-8S **Lab ID: 70227885004** Collected: 08/30/22 10:35 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Surrogates								
4-Bromofluorobenzene (S)	88	%	79-118	1		09/07/22 16:01	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		09/07/22 16:01	2037-26-5	

Sample: MW-10S **Lab ID: 70227885005** Collected: 08/30/22 08:30 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/03/22 00:55	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/03/22 00:55	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	96-12-8	v3
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	79-34-5	
Tetrachloroethene	**15.3**	ug/L	1.0	1		09/03/22 00:55	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/03/22 00:55	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/03/22 00:55	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/03/22 00:55	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	81-122	1		09/03/22 00:55	17060-07-0	
4-Bromofluorobenzene (S)	85	%	79-118	1		09/03/22 00:55	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		09/03/22 00:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: MW-11S **Lab ID: 70227885006** Collected: 08/30/22 11:42 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/07/22 15:42	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-00-3	
Chloroform	**2.8**	ug/L	1.0	1		09/07/22 15:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:42	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:42	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:42	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	81-122	1		09/07/22 15:42	17060-07-0	
4-Bromofluorobenzene (S)	90	%	79-118	1		09/07/22 15:42	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		09/07/22 15:42	2037-26-5	

Sample: BD **Lab ID: 70227885008** Collected: 08/30/22 11:44 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/07/22 15:23	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-00-3	
Chloroform	**2.9**	ug/L	1.0	1		09/07/22 15:23	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	110-57-6	v3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: BD **Lab ID: 70227885008** Collected: 08/30/22 11:44 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:23	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:23	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:23	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	81-122	1		09/07/22 15:23	17060-07-0	
4-Bromofluorobenzene (S)	90	%	79-118	1		09/07/22 15:23	460-00-4	
Toluene-d8 (S)	97	%	82-122	1		09/07/22 15:23	2037-26-5	

Sample: TRIP BLANK **Lab ID: 70227885009** Collected: 08/30/22 00:00 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/07/22 15:04	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/07/22 15:04	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	74-87-3	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	124-48-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Sample: TRIP BLANK **Lab ID: 70227885009** Collected: 08/30/22 00:00 Received: 08/31/22 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/07/22 15:04	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/07/22 15:04	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/07/22 15:04	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	81-122	1		09/07/22 15:04	17060-07-0	
4-Bromofluorobenzene (S)	90	%	79-118	1		09/07/22 15:04	460-00-4	
Toluene-d8 (S)	98	%	82-122	1		09/07/22 15:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

QC Batch: 272160
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70227885001, 70227885002, 70227885003, 70227885005

METHOD BLANK: 1374309 Matrix: Water
Associated Lab Samples: 70227885001, 70227885002, 70227885003, 70227885005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/02/22 19:45	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/02/22 19:45	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/02/22 19:45	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/02/22 19:45	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/02/22 19:45	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/02/22 19:45	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	09/02/22 19:45	v3
1,2-Dichloropropane	ug/L	<1.0	1.0	09/02/22 19:45	
Bromochloromethane	ug/L	<1.0	1.0	09/02/22 19:45	
Bromodichloromethane	ug/L	<1.0	1.0	09/02/22 19:45	
Carbon tetrachloride	ug/L	<1.0	1.0	09/02/22 19:45	
Chloroethane	ug/L	<1.0	1.0	09/02/22 19:45	
Chloroform	ug/L	<1.0	1.0	09/02/22 19:45	
Chloromethane	ug/L	<1.0	1.0	09/02/22 19:45	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/02/22 19:45	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/02/22 19:45	
Dibromochloromethane	ug/L	<1.0	1.0	09/02/22 19:45	
Methylene Chloride	ug/L	<1.0	1.0	09/02/22 19:45	
Tetrachloroethene	ug/L	<1.0	1.0	09/02/22 19:45	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/02/22 19:45	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/02/22 19:45	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/02/22 19:45	v3
Trichloroethene	ug/L	<1.0	1.0	09/02/22 19:45	
Trichlorofluoromethane	ug/L	<1.0	1.0	09/02/22 19:45	
Vinyl chloride	ug/L	<1.0	1.0	09/02/22 19:45	
1,2-Dichloroethane-d4 (S)	%	89	81-122	09/02/22 19:45	
4-Bromofluorobenzene (S)	%	87	79-118	09/02/22 19:45	
Toluene-d8 (S)	%	99	82-122	09/02/22 19:45	

LABORATORY CONTROL SAMPLE: 1374310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.8	88	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	44.6	89	70-127	
1,1,2-Trichloroethane	ug/L	50	48.9	98	81-119	
1,1-Dichloroethane	ug/L	50	44.1	88	72-126	
1,1-Dichloroethene	ug/L	50	52.1	104	66-133	
1,2,3-Trichloropropane	ug/L	50	45.0	90	69-120	
1,2-Dibromo-3-chloropropane	ug/L	50	39.3	79	47-133	v3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

LABORATORY CONTROL SAMPLE: 1374310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	44.4	89	75-125	
Bromochloromethane	ug/L	50	45.9	92	77-122	
Bromodichloromethane	ug/L	50	43.5	87	80-123	
Carbon tetrachloride	ug/L	50	42.6	85	64-135	
Chloroethane	ug/L	50	54.6	109	31-156	
Chloroform	ug/L	50	50.5	101	79-123	
Chloromethane	ug/L	50	47.6	95	39-116	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	77-125	
cis-1,3-Dichloropropene	ug/L	50	41.0	82	78-131	
Dibromochloromethane	ug/L	50	46.8	94	65-123	
Methylene Chloride	ug/L	50	46.9	94	67-123	
Tetrachloroethene	ug/L	50	52.4	105	65-120	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	74-123	
trans-1,3-Dichloropropene	ug/L	50	40.8	82	73-135	
trans-1,4-Dichloro-2-butene	ug/L	50	39.0	78	52-137	v3
Trichloroethene	ug/L	50	45.7	91	79-115	
Trichlorofluoromethane	ug/L	50	53.1	106	51-136	
Vinyl chloride	ug/L	50	46.9	94	49-118	
1,2-Dichloroethane-d4 (S)	%			88	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			97	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1374350 1374351

Parameter	Units	70227846002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	43.1	45.1	86	90	72-123	4	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	43.1	48.2	86	96	64-133	11	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	46.1	49.1	92	98	78-120	6	
1,1-Dichloroethane	ug/L	<1.0	50	50	45.5	48.0	91	96	70-124	5	
1,1-Dichloroethene	ug/L	<1.0	50	50	45.4	52.6	91	105	61-139	15	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	42.4	46.8	85	94	64-120	10	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	34.2	41.7	68	83	32-137	20	v3
1,2-Dichloropropane	ug/L	<1.0	50	50	44.3	46.2	89	92	74-122	4	
Bromochloromethane	ug/L	<1.0	50	50	46.0	49.0	92	98	70-122	6	
Bromodichloromethane	ug/L	<1.0	50	50	41.6	43.8	83	88	74-122	5	
Carbon tetrachloride	ug/L	<1.0	50	50	40.4	43.1	81	86	56-143	6	
Chloroethane	ug/L	<1.0	50	50	55.8	56.1	112	112	35-146	1	
Chloroform	ug/L	<1.0	50	50	52.5	54.2	105	108	71-129	3	
Chloromethane	ug/L	<1.0	50	50	51.3	51.6	103	103	29-112	0	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	49.5	51.3	99	103	73-129	4	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	38.7	41.7	77	83	67-130	8	
Dibromochloromethane	ug/L	<1.0	50	50	41.9	46.8	84	94	55-126	11	
Methylene Chloride	ug/L	<1.0	50	50	47.3	50.2	95	100	69-117	6	
Tetrachloroethene	ug/L	<1.0	50	50	50.0	53.7	100	107	64-124	7	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1374350 1374351

Parameter	Units	70227846002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50.4	51.7	101	103	69-127	3	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	38.5	41.7	77	83	61-130	8	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	33.5	37.4	67	75	18-144	11	v3
Trichloroethene	ug/L	<1.0	50	50	44.4	46.1	89	92	73-125	4	
Trichlorofluoromethane	ug/L	<1.0	50	50	51.7	53.3	103	107	59-129	3	
Vinyl chloride	ug/L	<1.0	50	50	41.9	44.9	84	90	33-127	7	
1,2-Dichloroethane-d4 (S)	%						90	88	81-122		
4-Bromofluorobenzene (S)	%						100	103	79-118		
Toluene-d8 (S)	%						97	100	82-122		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

QC Batch: 272504
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70227885004, 70227885006, 70227885008, 70227885009

METHOD BLANK: 1376039 Matrix: Water
Associated Lab Samples: 70227885004, 70227885006, 70227885008, 70227885009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/07/22 13:57	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/07/22 13:57	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/07/22 13:57	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/07/22 13:57	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/07/22 13:57	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/07/22 13:57	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	09/07/22 13:57	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/07/22 13:57	
Bromochloromethane	ug/L	<1.0	1.0	09/07/22 13:57	
Bromodichloromethane	ug/L	<1.0	1.0	09/07/22 13:57	
Carbon tetrachloride	ug/L	<1.0	1.0	09/07/22 13:57	
Chloroethane	ug/L	<1.0	1.0	09/07/22 13:57	
Chloroform	ug/L	<1.0	1.0	09/07/22 13:57	
Chloromethane	ug/L	<1.0	1.0	09/07/22 13:57	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/07/22 13:57	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/07/22 13:57	
Dibromochloromethane	ug/L	<1.0	1.0	09/07/22 13:57	
Methylene Chloride	ug/L	<1.0	1.0	09/07/22 13:57	
Tetrachloroethene	ug/L	<1.0	1.0	09/07/22 13:57	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/07/22 13:57	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/07/22 13:57	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/07/22 13:57	v3
Trichloroethene	ug/L	<1.0	1.0	09/07/22 13:57	
Trichlorofluoromethane	ug/L	<1.0	1.0	09/07/22 13:57	
Vinyl chloride	ug/L	<1.0	1.0	09/07/22 13:57	
1,2-Dichloroethane-d4 (S)	%	89	81-122	09/07/22 13:57	
4-Bromofluorobenzene (S)	%	88	79-118	09/07/22 13:57	
Toluene-d8 (S)	%	97	82-122	09/07/22 13:57	

LABORATORY CONTROL SAMPLE: 1376040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.8	88	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	44.6	89	70-127	
1,1,2-Trichloroethane	ug/L	50	47.8	96	81-119	
1,1-Dichloroethane	ug/L	50	44.4	89	72-126	
1,1-Dichloroethene	ug/L	50	44.9	90	66-133	
1,2,3-Trichloropropane	ug/L	50	43.7	87	69-120	
1,2-Dibromo-3-chloropropane	ug/L	50	38.8	78	47-133	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

LABORATORY CONTROL SAMPLE: 1376040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	44.3	89	75-125	
Bromochloromethane	ug/L	50	46.4	93	77-122	
Bromodichloromethane	ug/L	50	43.6	87	80-123	
Carbon tetrachloride	ug/L	50	42.8	86	64-135	
Chloroethane	ug/L	50	47.7	95	31-156	
Chloroform	ug/L	50	51.7	103	79-123	
Chloromethane	ug/L	50	45.4	91	39-116	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	77-125	
cis-1,3-Dichloropropene	ug/L	50	41.5	83	78-131	
Dibromochloromethane	ug/L	50	46.6	93	65-123	
Methylene Chloride	ug/L	50	44.4	89	67-123	
Tetrachloroethene	ug/L	50	51.7	103	65-120	
trans-1,2-Dichloroethene	ug/L	50	50.0	100	74-123	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	73-135	
trans-1,4-Dichloro-2-butene	ug/L	50	38.0	76	52-137	v3
Trichloroethene	ug/L	50	45.2	90	79-115	
Trichlorofluoromethane	ug/L	50	48.7	97	51-136	
Vinyl chloride	ug/L	50	42.2	84	49-118	
1,2-Dichloroethane-d4 (S)	%			90	81-122	
4-Bromofluorobenzene (S)	%			102	79-118	
Toluene-d8 (S)	%			98	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1376609 1376610

Parameter	Units	70227885004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	41.8	40.6	84	81	72-123	3	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	46.4	43.6	93	87	64-133	6	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	47.1	43.7	94	87	78-120	8	
1,1-Dichloroethane	ug/L	<1.0	50	50	44.6	42.6	89	85	70-124	4	
1,1-Dichloroethene	ug/L	<1.0	50	50	47.3	44.0	95	88	61-139	7	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	46.3	44.8	93	90	64-120	3	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	37.3	36.1	75	72	32-137	3	
1,2-Dichloropropane	ug/L	<1.0	50	50	44.6	42.0	89	84	74-122	6	
Bromochloromethane	ug/L	<1.0	50	50	43.9	42.1	88	84	70-122	4	
Bromodichloromethane	ug/L	<1.0	50	50	39.5	39.3	79	79	74-122	0	
Carbon tetrachloride	ug/L	<1.0	50	50	39.5	38.9	79	78	56-143	2	
Chloroethane	ug/L	<1.0	50	50	50.4	43.1	101	86	35-146	16	
Chloroform	ug/L	<1.0	50	50	51.4	48.2	103	96	71-129	6	
Chloromethane	ug/L	<1.0	50	50	46.4	41.8	93	84	29-112	10	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	48.8	46.3	98	93	73-129	5	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	39.4	37.8	79	76	67-130	4	
Dibromochloromethane	ug/L	<1.0	50	50	40.9	40.2	82	80	55-126	2	
Methylene Chloride	ug/L	<1.0	50	50	44.8	40.8	90	82	69-117	9	
Tetrachloroethene	ug/L	3.9	50	50	52.4	50.7	97	93	64-124	3	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1376609 1376610

Parameter	Units	70227885004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	49.3	45.9	99	92	69-127	7	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	38.5	36.7	77	73	61-130	5	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	35.2	35.5	70	71	18-144	1	v3
Trichloroethene	ug/L	<1.0	50	50	44.4	42.7	89	85	73-125	4	
Trichlorofluoromethane	ug/L	<1.0	50	50	47.0	42.9	94	86	59-129	9	
Vinyl chloride	ug/L	<1.0	50	50	37.5	35.2	75	70	33-127	7	
1,2-Dichloroethane-d4 (S)	%						88	90	81-122		
4-Bromofluorobenzene (S)	%						99	99	79-118		
Toluene-d8 (S)	%						96	97	82-122		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 8/30
Pace Project No.: 70227885

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70227885001	**MW-1S**	EPA 8260C/5030C	272160		
70227885002	**MW-2S**	EPA 8260C/5030C	272160		
70227885003	**MW-5S**	EPA 8260C/5030C	272160		
70227885004	**MW-8S**	EPA 8260C/5030C	272504		
70227885005	**MW-10S**	EPA 8260C/5030C	272160		
70227885006	**MW-11S**	EPA 8260C/5030C	272504		
70227885008	**BD**	EPA 8260C/5030C	272504		
70227885009	**TRIP BLANK**	EPA 8260C/5030C	272504		

WO# : 70227885

70227885

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	EnviroTrac Ltd.	Report To:	Tracy Wall	Attention:	Tracy Wall
Address:	5 Old Dock Road	Copy To:		Company Name:	
	Yaphank, NY 11980			Address:	
Email To:	tracyw@envirotrac.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	631-924-3001 Fax: 631-924-5001	Project Name:	Sutter Avenue	Pace Project Manager:	
Requested Due Date/TAT:	5 days	Project Number:	01.991373.00 Task 08.0000	Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs 8260, chlorinated list only	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1S	WT	G	8/30/22			1158		2				2						X		
2	MW-2S						1222														
3	MW-5S						1103														
4	MW-8S						1035														
5	MW-10S						0830														
6	MW-11S						1142														
7	MS/MSD						1036														
8	BD						1144														
9	Trip Blank																				
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Request NYSDEC Category B	Matthew Wranke/ETNY	08/30/22	1700	Envirotrac Fridge	08/30/22	1700.	
Deliverables & EDD	Peggy Wall/ETNY	8/31/22			8/31/22	1320	
		8/31/22	1640	Envirotrac Fridge	8/31	1640	4.6 W

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [redacted] Matthew Wranke

SIGNATURE of SAMPLER: Matthew Wranke DATE Signed (MM/DD/YY): 08/30/22

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical

Client Name: EnviroTrac

WO#: 70227885
PM: LAB Due Date: 09/12/22
CLIENT: ENVIROTRAC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: ~~TH091~~ T-1148 Correction Factor: +0.1

☐ Samples on ice cooling process has begun

Cooler Temperature [°C]: 4.6 Cooler Temperature Corrected [°C]: 4.7

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Date and Initials of person examining contents: 8/31/22 1640

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☑ Yes	☐ No		7.
Sufficient Volume: (Triple volume provided for I	☐ Yes	☑ No		8. See line 12
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐ Yes	☑ No		12. 2 Vials received for MS | MSD
-Includes date/time/ID/Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

PM (Project Manager) review is documented electronically in LIMS

ENV-FRM-MCLV-0024-01

APPENIDX C

Site Inspection Form

Site Inspection Form

AAA Sutter Realty LLC
1199 Sutter Avenue
Brooklyn, New York
NYSDEC BCP Number: C224141

Date: 08/30/22

Personnel: Matthew Mranda

Weather: P. Cloudy

Reporting Period: _____

SVE Piping: Good.

SVE Gauges: Need Larger Scaled. Vacuum Gauges for SVE/SSD-7 + SVE/SSD-8.

SVE blowers: Good.

AS Piping: —

AS Gauges: —

AS Compressor: —

Monitoring Wells: MW-8S + 8D Missing manhole covers 8"

Miscellaneous Site Conditions: _____

EnviroTrac