August 24, 2023

Mr. Michael MacCabe, PE
New York State Department of Environmental Conservation Region 3
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7011

Re: **Periodic Review Report**
1199 Sutter Avenue
Brooklyn, NY
NYSDEC BCP Site # 224141

Dear Mr. MacCabe,

EnviroTrac Ltd. (EnviroTrac) is pleased to present the data collected for the annual inspection conducted at 1199 Sutter Avenue, Brooklyn, NY (the Site) for the Periodic Review on August 7, 2023. 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. This data was presented as part of the Periodic Review Report (PRR) for the Site. **Figure 1** shows the Site location on a topographic map.

Site Background

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 annual 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 additional follow-up SVI investigation was conducted on February 17, 2023, and included sub-slab soil vapor and indoor air samples within the 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 one (1) year and five (5) months prior to the SVI investigation. The same scope of work was followed that was conducted for the previous SVI investigations. The results for the adjoining supermarket unit showed that mitigation was not required when compared to the NYSDOH Decision Matrices. Since the February 2022 sampling event, PCE had slightly decreased in the sub-slab soil vapor for the supermarket from 375 to 178 micrograms per cubic meter of air ($\mu g/m^3$) in February 2023. PCE was also not detected in the indoor air within the supermarket during the February 2023 sampling event. EnviroTrac recommended that the SSDS within the adjoining supermarket be able to be removed or permanently shut down. The NYSDEC and NYSDOH have not responded to date regarding this request.

Figure 2 shows the As Built Engineering Controls for the former SVE/AS remediation system, SSDS in the supermarket, and SSDS in the laundromat. **Figure 3** shows the Institutional Control Boundaries.

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

Effectiveness of the Remedial Program

Currently the SVE has been shut down to evaluate whether this system can be dismantled or decommissioned. The NYSDEC approved the change from monthly site visits to annual visits. The annual Site inspection was conducted on August 7, 2023. The ECs include the OMM of the SSDS in the former dry cleaner/current laundromat and the maintenance of the Site cover system. The SSDS has been operating since May 2017.

The performance, effectiveness, and protectiveness of the SSDS in the former dry cleaner/current laundromat is evaluated by conducting an annual certification and collecting vacuum readings from beneath the basement slab. 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 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). Monitoring results for the SSDS for the former dry cleaner/current laundromat showed that it was operating properly with no issues. **Table 1** summarizes the vacuum monitoring point (VMP) measurements. 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 the annual Site visit, no changes in the use of the Site were noted. The SSDS Certification form is provided as **Appendix A**.

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 annual 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 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. The Site cover appeared in good condition and no openings or excavations were observed during the annual site inspection. The Site Cover Certification form is provided as **Appendix B**.

The 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 on August 7, 2023. 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 4** shows the monitoring well locations and groundwater flow contour lines. **Table 2** summarizes the water level measurements from November 2020 to August 2023. **Table 3** summarizes the groundwater monitoring events at the Site from April 2016 to August 2023. The highest detected groundwater monitoring well sample concentration for PCE collected on August 7, 2023, was 7.6 µg/L in MW-10S, which is only very slightly above its NYSDEC Class GA Ambient Water Quality Standard of 5 µg/L. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. PCE concentrations either

were not detected or did not exceed its NYSDEC Class GA Ambient Water Quality Standard in the remaining wells.

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). Only chloroform was detected in MW-11S on August 7, 2023, but at a concentration well below its NYSDEC Class GA Ambient Water Quality Standard. The laboratory report is provided in **Appendix C**. The significant decrease in the groundwater concentrations indicates that natural attenuation of contaminants is occurring at and off-Site and that PCE concentrations will continue to decrease to below its NYSDEC Class GA Ambient Water Quality Standard.

EC/IC 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).

8/24/23
_____P.E.
_____DATE

IC/EC Certification forms are provided as **Appendix D**.

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.

Recommendations

EnviroTrac recommends the following:

- Based on the soil samples collected from below the basement in the former dry cleaner/current laundromat and in the rear parking lot, the SVE system has remediated the soil and soil vapor beneath the Site. Based on the recent groundwater samples collected that show all concentrations detected in the groundwater monitoring wells on and off-Site are below their NYSDEC Class GA Ambient Water Quality Standards with the exception of PCE detected in MW-10S, which is only very slightly above its NYSDEC Class GA Ambient Water Quality Standard, the AS system has remediated groundwater beneath the Site. Therefore, EnviroTrac recommends that the SVE/AS remediation system, which were previously approved to be turned off, and associated wells be removed/decommissioned as the system is no longer needed;
- Based on the recent SVI Investigation in February 2023 for the adjoining supermarket, the SSDS for this unit is no longer needed since the sampling results showed low concentrations of PCE and trichloroethene (TCE) in the sub-slab soil vapor and no PCE or TCE detected in the indoor air. The results were compared to the NYSDOH Decision Matrices A, B, and C, which indicated that no further action was required. The SSDS in the supermarket has been off for approximately 1 year and 5 months. Therefore, EnviroTrac recommends that the SSDS piping for the adjoining supermarket be removed and the SSDS extraction points be decommissioned;

- Based on the recent and previous groundwater monitoring results, the groundwater on and off-Site has been remediated and concentrations will continue to decrease. Most of the monitoring wells have reached concentrations below their NYSDEC Class GA Ambient Water Quality Standards with the exception of one (1) well which has a detection of PCE that is just very slightly above its NYSDEC Class GA Ambient Water Quality Standard. Therefore, EnviroTrac recommends that the annual groundwater monitoring be discontinued as it is no longer necessary.

The next annual certification and site inspection is scheduled for August 2024.

Figures:

Figure 1 - Site Location Map
Figure 2 - Engineering Controls Locations
Figure 3 - Institutional Control Boundaries
Figure 4 – Groundwater Contour Map – August 7, 2023

Tables:

Table 1 Vacuum Monitoring Point Measurements – August 7, 2023
Table 2 Water Level Measurements
Table 3 Summary of Groundwater Monitoring Well Results – April 2016 – August 2023

Appendices:

A SSDS Site Management Form
B Site Inspection Form
C Laboratory Report
D IC/EC Certification Forms

FIGURES

TOPOGRAPHIC MAP

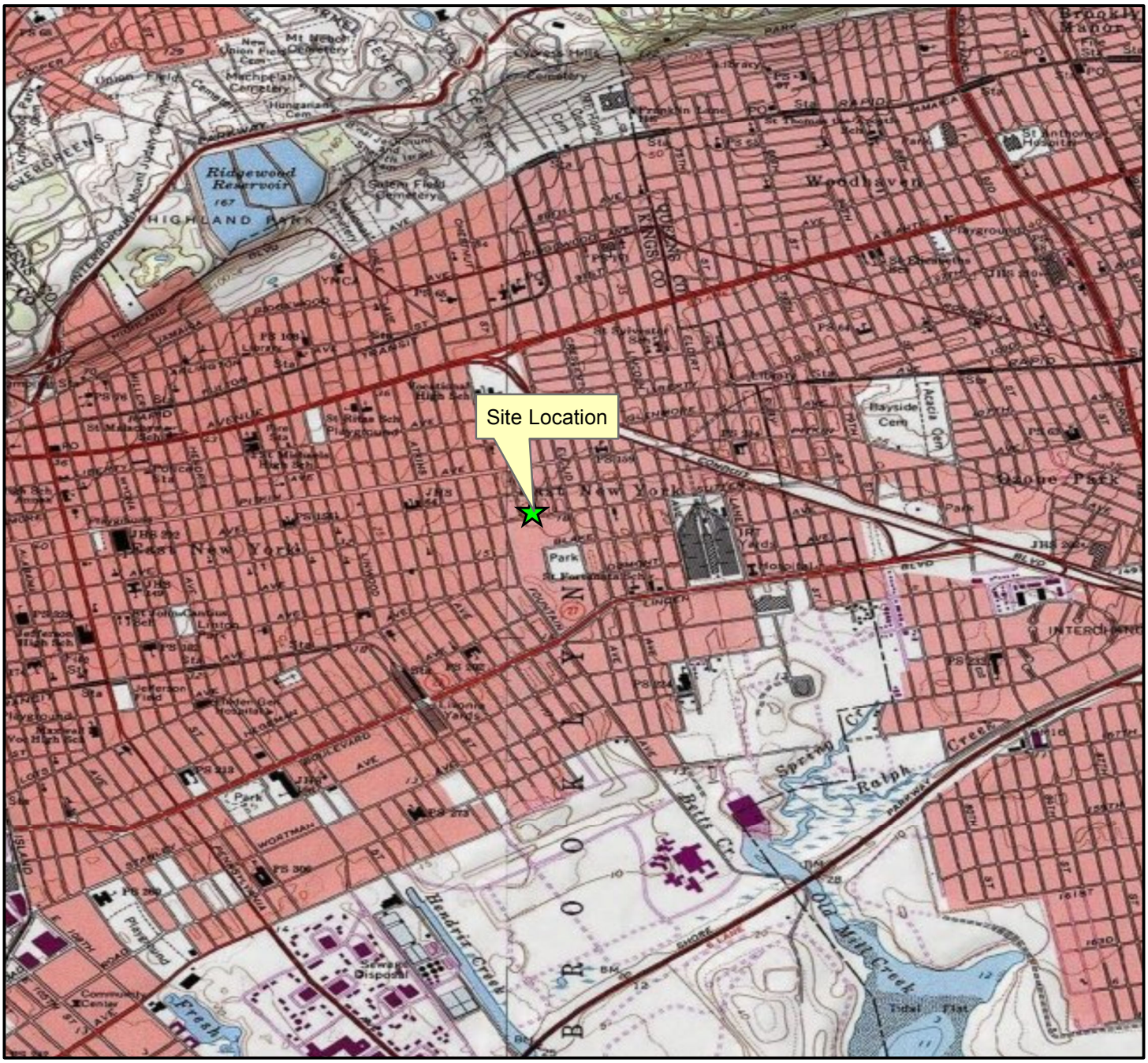


Figure 1
Topographic Map

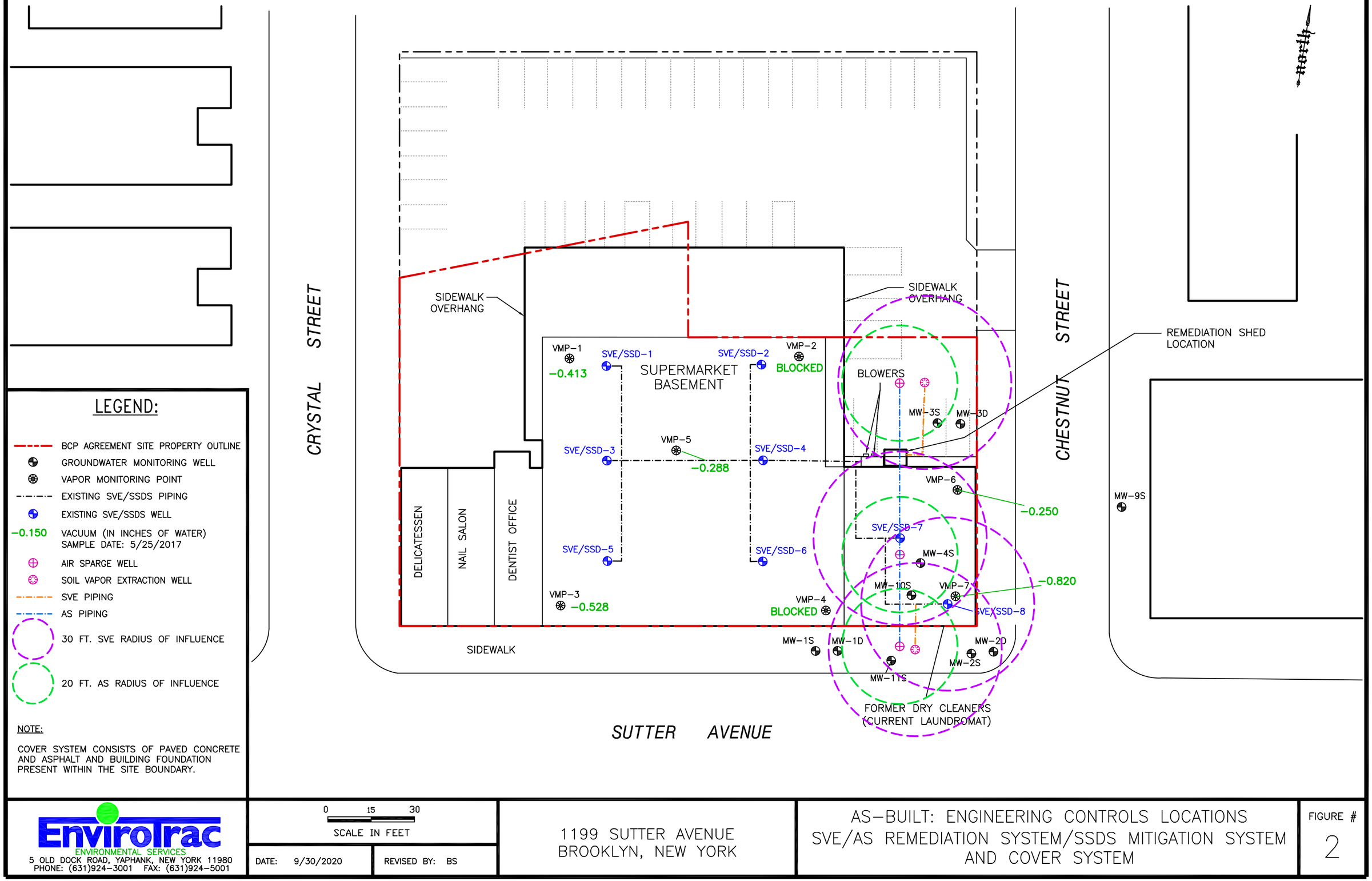
1199 Sutter Avenue
Brooklyn, NY 11208

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
- −0.150 VACUUM (IN INCHES OF WATER) SAMPLE DATE: 5/25/2017
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SVE PIPING
- AS PIPING
- 30 FT. SVE RADIUS OF INFLUENCE
- 20 FT. AS 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

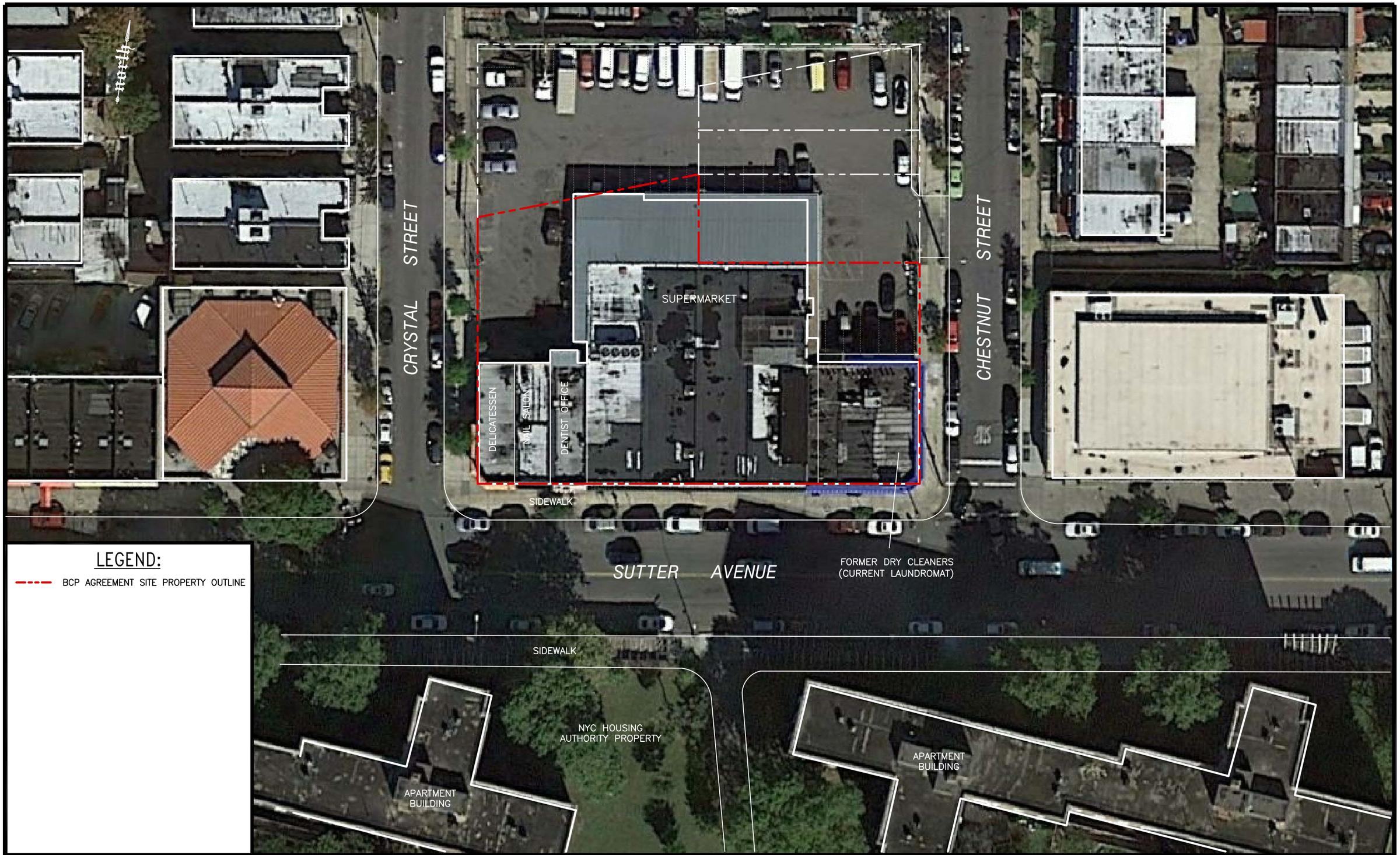
DATE: 9/30/2020

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



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: 8/23/2023

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

INSTITUTIONAL CONTROL BOUNDARIES

FIGURE #
3

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 4.96

MW-1D

MW-2D

MW-2S

MW-3S

MW-3D 6.13

MW-4S

MW-9S

MW-10S 5.02

MW-11S 4.92

6.00

5.50

5.00

SIDEWALK

FORMER DRY CLEANERS (CURRENT LAUNDROMAT)

SUTTER AVENUE

SIDEWALK

MW-6D

MW-6S

MW-5S

MW-5D

MW-7S

MW-7D

NYC HOUSING AUTHORITY PROPERTY

APARTMENT BUILDING

MW-8S 4.81

MW-8D

APARTMENT BUILDING

LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 4.96 GROUNDWATER ELEVATION (feet)

GROUNDWATER MEASUREMENTS RECORDED ON 8/7/2023

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: 8/23/2023

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
AUGUST 7, 2023

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	8/7/2023
VMP-1	-
VMP-2	-
VMP-3	-
VMP-4	-
VMP-5	-
VMP-6	-0.098
VMP-7	-0.259

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	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
		8/7/2023	12.55	25.00	4.96
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
		8/7/2023	12.65	39.88	5.27
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	-
		8/7/2023	13.05	14.00	5.00
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
		8/7/2023	13.02	39.26	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
		8/7/2023	9.62	9.64	8.46
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
		8/7/2023	12.35	21.55	6.13
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
		8/7/2023	11.93	24.89	5.91
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
		8/7/2023	12.50	40.38	5.30

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
		8/7/2023	NM	NM	Blocked by Garbage
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
		8/7/2023	NM	NM	Blocked by Garbage
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
		8/7/2023	12.88	24.31	5.16
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
		8/7/2023	12.90	39.80	5.39
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
		8/7/2023	13.27	19.83	4.81
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
		8/7/2023	13.75	40.10	4.65
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
		8/7/2023	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
		8/7/2023	4.91	10.78	5.02
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
		8/7/2023	12.79	25.21	4.92

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																NYSDEC Groundwater Standards
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**	**8/7/2023**	
Volatile Organic Compounds ***(in micrograms per liter)***																	
Acetone	ND	ND	ND	ND	18.4	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	50
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	ND	7
cis-1,2-Dichloroethylene	0.71 J	ND	ND	ND	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
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	1.60	5*
Trichloroethene	3.2	2.1	2.8	1.3	ND	1.2	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	5*

Sample ID	MW-2S																NYSDEC Groundwater Standards
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**	**8/7/2023**	
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	NS	50
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	ND	7
cis-1,2-Dichloroethylene	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethene	**10.0**	2.20	1.10	2.90	1.50	ND	ND	ND	ND	1.50	1.00	1.30	ND	ND	ND	ND	5*
Trichloroethene	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-4S	MW-10S														NYSDEC Groundwater Standards
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**	**8/7/2023**	
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	NS	50
Chloroform	3.00 J	1.50	1.40	ND	ND	ND	ND	ND	3.30	2.70	1.30	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
cis-1,2-Dichloroethylene	2.60	ND	**6.10**	**5.10**	**5.30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethene	**390**	**575**	**363**	**441**	**719**	**111**	**112**	**78.8**	**59.8**	**47.1**	**34.0**	**34.2**	**26.4**	**23.6**	**15.3**	**7.6**	5*
Trichloroethene	**14.0**	**21.0**	**16.2**	**13.4**	**16.2**	2.20	2.00	1.10	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-11S															NYSDEC Groundwater Standards
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**	**8/7/2023**	
Volatile Organic Compounds ***(in micrograms per liter)***																
Acetone	ND	ND	ND	9.00	ND	ND	ND	ND	ND	ND	ND	ND	NS	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	2.8	7
cis-1,2-Dichloroethylene	ND	1.50	3.50	2.50	ND	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	1.30	5*
Trichloroethene	1.10	2.00	3.40	4.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-5S																NYSDEC Groundwater Standards
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**	**8/7/2023**	
Volatile Organic Compounds ***(in micrograms per liter)***																	
Acetone	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	50
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	ND	7
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	ND	5*
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**	ND	5*
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	ND	5*

Sample ID	MW-8S																NYSDEC Groundwater Standards
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**	**8/7/2023**	
Volatile Organic Compounds ***(in micrograms per liter)***																	
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	50
Chloroform	3.30 J	ND	ND	ND	ND	ND	ND	1.00	ND	1.30	2.80	2.20	2.70	6.10	ND	ND	7
cis-1,2-Dichloroethylene	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	ND	ND	ND	ND	5*
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	1.2	5*
Trichloroethene	0.62 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

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

Operation, Maintenance, and Monitoring Checklist

Procedure	Frequency
Record all gauge readings in system log and field book.	Each Visit
effluent sample port.	Monthly
Empty Moisture Separator.	Monthly
Bleed SVE lines.	Monthly
Clean SVE inline filter elements. Replace element when differential pressure across unit reaches 15 in. H_2O above the initial differential pressure.	Monthly
Change SVE blower bearings.	15,000 hrs

See SVE component sections for more detailed description of maintenance procedures.

Operation & Maintenance Data Sheet for SVE 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: 08/7/2023
Arrival Time: 0620
Weather / Temp: Sun and clouds, 85 F
Departure Time: 1330
Technician / Operator: Joshua Levy

System Status				
	Arrival	Departure		
SVE Blower 1 (ON/OFF)	Off		SVE Blower 1 Run Time (Hrs)	
Sensaphone (ON/OFF)				
Soil Vapor Extraction System				
Total Air Flow Rate (cfm)				
Inline Air Filter (F-1) Inlet Vacuum ("H2O)				
Inlet Vacuum ("H2O)				
Fresh Air Valve Open (%)				
Inlet Temperature (°F)				
Outlet Temperature (°F)				
Outlet Pressure ("H2O)			Moisture Separator Tank Level (gal)	

SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE/SSD-7 ("H2O)/(cfm)/(ppm)							
SVE/SSD-8 ("H2O)/(cfm)/(ppm)							
SVE-9 ("H2O)/(cfm)/(ppm)							
SVE-10 ("H2O)/(cfm)/(ppm)							

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)	-0.098	0.0	
VMP-7 ("H2O)/(ppm)	-0.259	0.0	

Notes, Comments & Observations:

The SVE system is temporarily shut down.

The SSDS in the former dry cleaner/current laundromat is operating properly.

EnviroTrac Environmental Services

Operation & Maintenance Data Sheet for AS 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: 08/30/2022
Weather / Temp:
Technician / Operator: Joshua Levy

Arrival Time: 0620
Departure Time: 1330

System Status				
	Arrival	Departure		
AS Compressor 1 (ON/OFF)	Off		AS Compressor 1 Run Time (Hrs)	
Sensaphone (ON/OFF)				

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

AS Well Legs - Air Flow Rate							
AS-1 (cfm)							
AS-2 (cfm)							
AS-3 (cfm)							

Monitoring Points - Air Flow Rate		
MW-3S		

Notes, Comments & Observations:

The AS system is temporarily shut down.

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: 08/07/2023
Weather / Temp:
Technician / Operator: Joshua Levy

Arrival Time: 0620
Departure Time: 1330

System Status				
	Arrival	Departure		
SVE Blower 1 (ON/OFF)	Off			
Alarm (ON/OFF)				
Sub-Slab Depressurization System				
Total Air Flow Rate (cfm)				
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)				SSD-5 ("H2O)/(cfm)/(ppm)			
SSD-2 ("H2O)/(cfm)/(ppm)				SSD-6 ("H2O)/(cfm)/(ppm)			
SSD-3 ("H2O)/(cfm)/(ppm)							
SSD-4 ("H2O)/(cfm)/(ppm)							

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)	-0.098	0.0	
VMP-7 ("H2O)/(ppm)	-0.259	0.0	

Notes, Comments & Observations:

The SSDS in the former dry cleaner/current laundromat is operating. The SSDS in the adjoining supermarket unit is temporarily shut down.

EnviroTrac Environmental Services

Appendix B

Site Inspection Form

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

Date: 08/30/2023

Personnel: Joshua Levy

Weather: sun and clouds, 85 F

Reporting Period: August 7, 2023

SVE Piping: SVE system is temporarily shut down

SVE Gauges: SVE system is temporarily shut down

SVE blowers: SVE system is temporarily shut down

AS Piping: AS system is temporarily shut down

AS Gauges: AS system is temporarily shut down

AS Compressor: AS system is temporarily shut down

Monitoring Wells: All monitoring wells were observed in good condition with the exception of missing well covers at MW-8S. & MW-8D EnviroTrac will be going to the Site in the near future to replace these well covers.

Miscellaneous Site Conditions: All Site conditions appeared in good working condition with no signs of Site usage changes or piercing of the Site cover.

Appendix C

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

August 15, 2023

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

RE: Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Dear Mr. Russo:

Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2023. 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.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

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

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Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70266366001	**MW-1S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366002	**MW-2S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366003	**MW-5S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366004	**MW-8S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366005	**MW-10S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366006	**MW-11S**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366009	**BD**	EPA 8260C/5030C	DO1	28	PACE-MV
70266366010	**TRIP BLANK**	EPA 8260C/5030C	DO1	28	PACE-MV

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 15, 2023

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.

QC Batch: 315975

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 1608292)
  - Chloromethane
- MS (Lab ID: 1609843)
  - Chloromethane
- MSD (Lab ID: 1609844)
  - Chloromethane

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

QC Batch: 315975

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: 70266366009)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- BLANK (Lab ID: 1608291)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- LCS (Lab ID: 1608292)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MS (Lab ID: 1609843)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MSD (Lab ID: 1609844)
  - Chloromethane
  - Dibromochloromethane

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PROJECT NARRATIVE

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 15, 2023

QC Batch: 315975

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
- MW-10S (Lab ID: 70266366005)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MW-11S (Lab ID: 70266366006)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MW-1S (Lab ID: 70266366001)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MW-2S (Lab ID: 70266366002)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MW-5S (Lab ID: 70266366003)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- MW-8S (Lab ID: 70266366004)
  - Chloromethane
  - Dibromochloromethane
  - trans-1,4-Dichloro-2-butene
- TRIP BLANK (Lab ID: 70266366010)
  - Chloromethane
  - Dibromochloromethane
  - 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.

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PROJECT NARRATIVE

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 15, 2023

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.

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: MW-1S **Lab ID: 70266366001** Collected: 08/07/23 09:40 Received: 08/09/23 11:58 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		08/11/23 16:19	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 16:19	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 16:19	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.0	1		08/11/23 16:19	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:19	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:19	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:19	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		08/11/23 16:19	17060-07-0	
4-Bromofluorobenzene (S)	92	%	73-122	1		08/11/23 16:19	460-00-4	
Toluene-d8 (S)	92	%	75-122	1		08/11/23 16:19	2037-26-5	

Sample: MW-2S **Lab ID: 70266366002** Collected: 08/07/23 08:53 Received: 08/09/23 11:58 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		08/11/23 16:38	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 16:38	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 16:38	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	110-57-6	v3

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: MW-2S **Lab ID: 70266366002** Collected: 08/07/23 08:53 Received: 08/09/23 11:58 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		08/11/23 16:38	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:38	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:38	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:38	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		08/11/23 16:38	17060-07-0	
4-Bromofluorobenzene (S)	94	%	73-122	1		08/11/23 16:38	460-00-4	
Toluene-d8 (S)	92	%	75-122	1		08/11/23 16:38	2037-26-5	

Sample: MW-5S **Lab ID: 70266366003** Collected: 08/07/23 10:30 Received: 08/09/23 11:58 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		08/11/23 16:57	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 16:57	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 16:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	79-34-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: MW-5S **Lab ID: 70266366003** Collected: 08/07/23 10:30 Received: 08/09/23 11:58 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		08/11/23 16:57	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 16:57	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 16:57	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 16:57	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		08/11/23 16:57	17060-07-0	
4-Bromofluorobenzene (S)	91	%	73-122	1		08/11/23 16:57	460-00-4	
Toluene-d8 (S)	91	%	75-122	1		08/11/23 16:57	2037-26-5	

Sample: MW-8S **Lab ID: 70266366004** Collected: 08/07/23 11:05 Received: 08/09/23 11:58 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		08/11/23 17:16	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 17:16	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 17:16	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	1		08/11/23 17:16	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:16	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:16	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:16	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		08/11/23 17:16	17060-07-0	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: MW-8S **Lab ID: 70266366004** Collected: 08/07/23 11:05 Received: 08/09/23 11:58 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)	93	%	73-122	1		08/11/23 17:16	460-00-4	
Toluene-d8 (S)	91	%	75-122	1		08/11/23 17:16	2037-26-5	

Sample: MW-10S **Lab ID: 70266366005** Collected: 08/07/23 12:02 Received: 08/09/23 11:58 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		08/11/23 17:35	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 17:35	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 17:35	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	79-34-5	
Tetrachloroethene	**7.6**	ug/L	1.0	1		08/11/23 17:35	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:35	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:35	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:35	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		08/11/23 17:35	17060-07-0	
4-Bromofluorobenzene (S)	93	%	73-122	1		08/11/23 17:35	460-00-4	
Toluene-d8 (S)	92	%	75-122	1		08/11/23 17:35	2037-26-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: MW-11S **Lab ID: 70266366006** Collected: 08/07/23 11:23 Received: 08/09/23 11:58 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		08/11/23 17:54	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 17:54	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 17:54	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	1		08/11/23 17:54	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 17:54	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 17:54	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 17:54	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		08/11/23 17:54	17060-07-0	
4-Bromofluorobenzene (S)	93	%	73-122	1		08/11/23 17:54	460-00-4	
Toluene-d8 (S)	91	%	75-122	1		08/11/23 17:54	2037-26-5	

Sample: BD **Lab ID: 70266366009** Collected: 08/07/23 11:37 Received: 08/09/23 11:58 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		08/11/23 18:13	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 18:13	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 18:13	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	110-57-6	v3

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: BD **Lab ID: 70266366009** Collected: 08/07/23 11:37 Received: 08/09/23 11:58 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		08/11/23 18:13	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	10061-02-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 18:13	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 18:13	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 18:13	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		08/11/23 18:13	17060-07-0	
4-Bromofluorobenzene (S)	92	%	73-122	1		08/11/23 18:13	460-00-4	
Toluene-d8 (S)	91	%	75-122	1		08/11/23 18:13	2037-26-5	

Sample: TRIP BLANK **Lab ID: 70266366010** Collected: 08/07/23 00:00 Received: 08/09/23 11:58 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		08/11/23 11:45	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/11/23 11:45	56-23-5	
Chloroethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/11/23 11:45	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	74-87-3	v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	124-48-1	v3
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	110-57-6	v3
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	10061-02-6	
Methylene Chloride	**1.6**	ug/L	1.0	1		08/11/23 11:45	75-09-2	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	79-34-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Sample: TRIP BLANK **Lab ID: 70266366010** Collected: 08/07/23 00:00 Received: 08/09/23 11:58 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		08/11/23 11:45	127-18-4	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/11/23 11:45	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/11/23 11:45	96-18-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/11/23 11:45	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		08/11/23 11:45	17060-07-0	
4-Bromofluorobenzene (S)	92	%	73-122	1		08/11/23 11:45	460-00-4	
Toluene-d8 (S)	91	%	75-122	1		08/11/23 11:45	2037-26-5	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

QC Batch: 315975
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70266366001, 70266366002, 70266366003, 70266366004, 70266366005, 70266366006, 70266366009, 70266366010

METHOD BLANK: 1608291 Matrix: Water
Associated Lab Samples: 70266366001, 70266366002, 70266366003, 70266366004, 70266366005, 70266366006, 70266366009, 70266366010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/11/23 10:07	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/11/23 10:07	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/11/23 10:07	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/11/23 10:07	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/11/23 10:07	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	08/11/23 10:07	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	08/11/23 10:07	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/11/23 10:07	
Bromochloromethane	ug/L	<1.0	1.0	08/11/23 10:07	
Bromodichloromethane	ug/L	<1.0	1.0	08/11/23 10:07	
Carbon tetrachloride	ug/L	<1.0	1.0	08/11/23 10:07	
Chloroethane	ug/L	<1.0	1.0	08/11/23 10:07	
Chloroform	ug/L	<1.0	1.0	08/11/23 10:07	
Chloromethane	ug/L	<1.0	1.0	08/11/23 10:07	v3
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	08/11/23 10:07	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/11/23 10:07	
Dibromochloromethane	ug/L	<1.0	1.0	08/11/23 10:07	v3
Methylene Chloride	ug/L	<1.0	1.0	08/11/23 10:07	
Tetrachloroethene	ug/L	<1.0	1.0	08/11/23 10:07	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	08/11/23 10:07	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/11/23 10:07	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	08/11/23 10:07	v3
Trichloroethene	ug/L	<1.0	1.0	08/11/23 10:07	
Trichlorofluoromethane	ug/L	<1.0	1.0	08/11/23 10:07	
Vinyl chloride	ug/L	<1.0	1.0	08/11/23 10:07	
1,2-Dichloroethane-d4 (S)	%	107	80-120	08/11/23 10:07	
4-Bromofluorobenzene (S)	%	92	73-122	08/11/23 10:07	
Toluene-d8 (S)	%	88	75-122	08/11/23 10:07	

LABORATORY CONTROL SAMPLE: 1608292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.4	91	66-121	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	75-119	
1,1,2-Trichloroethane	ug/L	50	50.9	102	81-120	
1,1-Dichloroethane	ug/L	50	53.4	107	61-127	
1,1-Dichloroethene	ug/L	50	48.1	96	51-133	

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.

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

LABORATORY CONTROL SAMPLE: 1608292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	49.7	99	81-116	
1,2-Dibromo-3-chloropropane	ug/L	50	40.7	81	59-126	
1,2-Dichloropropane	ug/L	50	48.9	98	73-121	
Bromochloromethane	ug/L	50	53.0	106	70-129	
Bromodichloromethane	ug/L	50	47.0	94	79-118	
Carbon tetrachloride	ug/L	50	37.7	75	57-124	
Chloroethane	ug/L	50	46.9	94	51-136	
Chloroform	ug/L	50	55.1	110	69-124	
Chloromethane	ug/L	50	26.5	53	18-160	IH,v3
cis-1,2-Dichloroethene	ug/L	50	53.0	106	65-126	
cis-1,3-Dichloropropene	ug/L	50	42.8	86	70-127	
Dibromochloromethane	ug/L	50	36.3	73	72-134	v3
Methylene Chloride	ug/L	50	54.3	109	59-127	
Tetrachloroethene	ug/L	50	42.0	84	60-134	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	54-132	
trans-1,3-Dichloropropene	ug/L	50	41.6	83	62-136	
trans-1,4-Dichloro-2-butene	ug/L	50	37.3	75	56-128	v3
Trichloroethene	ug/L	50	48.5	97	74-118	
Trichlorofluoromethane	ug/L	50	49.3	99	46-146	
Vinyl chloride	ug/L	50	39.6	79	39-127	
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			94	73-122	
Toluene-d8 (S)	%			91	75-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1609843 1609844

Parameter	Units	70266366006 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	49.3	50.2	99	100	68-134	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	52.6	51.2	105	102	64-126	3	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	55.0	54.5	110	109	68-131	1	
1,1-Dichloroethane	ug/L	<1.0	50	50	59.8	58.6	120	117	54-145	2	
1,1-Dichloroethene	ug/L	<1.0	50	50	56.0	54.1	112	108	53-147	3	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	50.3	51.2	101	102	73-120	2	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	36.5	36.8	73	74	45-128	1	
1,2-Dichloropropane	ug/L	<1.0	50	50	54.4	54.1	109	108	64-136	1	
Bromochloromethane	ug/L	<1.0	50	50	56.2	54.9	112	110	58-144	2	
Bromodichloromethane	ug/L	<1.0	50	50	47.5	48.4	95	97	70-127	2	
Carbon tetrachloride	ug/L	<1.0	50	50	38.0	39.3	76	79	61-136	3	
Chloroethane	ug/L	<1.0	50	50	54.3	53.0	109	106	48-152	2	
Chloroform	ug/L	<1.0	50	50	61.7	59.7	123	119	58-143	3	
Chloromethane	ug/L	<1.0	50	50	28.1	28.3	56	57	17-167	1	IH,v3
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	58.1	56.8	116	114	58-142	2	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	42.6	44.0	85	88	59-134	3	
Dibromochloromethane	ug/L	<1.0	50	50	35.2	36.2	70	72	65-133	3	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

This report shall not be reproduced, except in full,
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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1609843 1609844

Parameter	Units	70266366006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Methylene Chloride	ug/L	<1.0	50	50	59.3	57.9	119	116	47-142	2	
Tetrachloroethene	ug/L	1.3	50	50	47.7	44.0	93	85	64-144	8	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	59.5	57.8	119	116	47-151	3	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	39.6	41.4	79	83	53-139	5	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	35.4	35.1	71	70	46-125	1	v3
Trichloroethene	ug/L	<1.0	50	50	56.2	54.4	112	109	76-130	3	
Trichlorofluoromethane	ug/L	<1.0	50	50	55.3	53.6	111	107	47-161	3	
Vinyl chloride	ug/L	<1.0	50	50	46.4	44.8	93	90	43-135	4	
1,2-Dichloroethane-d4 (S)	%						100	103	80-120		
4-Bromofluorobenzene (S)	%						94	94	73-122		
Toluene-d8 (S)	%						92	92	75-122		

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

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

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

IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
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.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 8/7
Pace Project No.: 70266366

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70266366001	**MW-1S**	EPA 8260C/5030C	315975		
70266366002	**MW-2S**	EPA 8260C/5030C	315975		
70266366003	**MW-5S**	EPA 8260C/5030C	315975		
70266366004	**MW-8S**	EPA 8260C/5030C	315975		
70266366005	**MW-10S**	EPA 8260C/5030C	315975		
70266366006	**MW-11S**	EPA 8260C/5030C	315975		
70266366009	**BD**	EPA 8260C/5030C	315975		
70266366010	**TRIP BLANK**	EPA 8260C/5030C	315975		

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WO# : 70266366

70266366

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request

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

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	8/7/23	9:40				2				2						X		
2	MW-2S	WT	G	8/7/23	4:53				2				2						X		
3	MW-5S	WT	G	8/7/23	10:30				2				2						X		
4	MW-8S	WT	G	8/7/23	11:05				2				2						X		
5	MW-10S	WT	G	8/7/23	12:02				2				2						X		
6	MW-11S	WT	G	8/7/23	11:23				2				2						X		
7	MS	WT	G	8/7/23	11:10				2				2						X		
8	MSD	WT	G	8/7/23	11:14				2				2						X		
9	BD	WT	G	8/7/23	11:27				2				1						X		
10	Trip Blank	WT	-	-	-				-												
11																					
12																					

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Request NYSDEC Category B	DAL / EnviroTrac LTD	8-7-23	13:50	Fridge / ETNY	8/7/23	13:50	
Deliverables & EDD	Fridge / ETNY	8/9/23	10:40	JR / ETNY	8/9/23	10:40	
	JR / ETNY	8/9/23	10:45		8/9/23	1158	
		8/9/23	1730				4.9 W

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ~~Joseph Ocifebok~~ Josh Levy

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 08/07/23

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-

Client: Enviro Trac

Work ID: Sutter Avenue

Profile #: 6349

COC Page 1 of 1

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1				2																																																
2				2																																																
3				2																																																
4				2																																																
5				2																																																
6				2																																																
7				2																																																
8				2																																																
9				2																																																
10				2																																																
11																																																				
12																																																				

WO#: 70266366

PM: LAB Due Date: 08/18/23

CLIENT: ENVIROTRAC

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Collform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials MJ

Additional Comments

WO#: 70266366
PM: LAB Due Date: 08/18/23
CLIENT: ENVIROTRAC

Client Name: Envirotrac Projec

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: IR-196 Correction Factor: -0.4 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 4.9 Cooler Temperature Corrected(°C): 4.5 Date/Time 5035A kits placed in freezer: 8/9/23 1730
Temp should be above freezing to 6.0°C

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

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 orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: MW 8/9/23

				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 MS/MSD)	☑Yes	☐No		8.
Correct Containers Used: -Pace Containers Used:	☑Yes ☑Yes	☐No ☐No		9.
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: -Includes date/time/ID/Analysis	Matrix:	☑Yes SL WT OIL OTHER	☐No	12.

Date and Initials of person checking preservation: MW 8/9/23

All containers needing preservation have been pH paper Lot #	☐Yes	☐No	☑N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
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	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present	☐Yes ☐Yes	☐No ☐No	☑N/A ☑N/A	17.

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Appendix D

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, 2022 to August 19, 2023

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

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

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

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

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

SITE NO. 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

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. 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 (print name) at EnviroTrac Ltd., 5 Old Dock Rd, Yaphank, NY 11980 (print business address),

am certifying as representative for the Owner (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

8/24/23

Date

EC CERTIFICATIONS

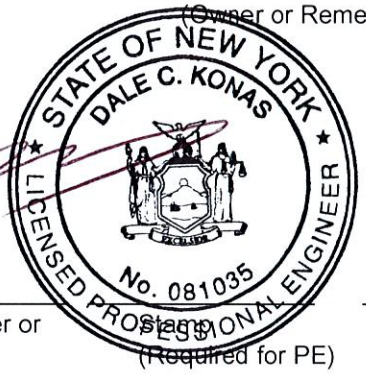
Box 7

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 (print name) at EnviroTrac Engineering PE PC, 5 Old Dock Rd, Yaphank, NY 11980 (print business address),

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



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

8/24/23
Date