1199 Sutter Avenue

Kings COUNTY

Brooklyn, NEW YORK

PERIODIC REVIEW REPORT

NYSDEC Site Number: C224141

Prepared for:

AAA Sutter Realty LLC

153-157 Seventh Street

Garden City, New York 11530

Prepared by:

EnviroTrac Engineering PE PC

5 Old Dock Road, Yaphank, NY 11980

(631) 924-3001

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

SEPTEMBER 2021

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, 2020 to August 19, 2021

	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.

Jacqueline Wall, PG
Signature of Owner, Remedial Party or Designated Representative

9/9/21
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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X

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)	☐	X

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

Was approved by NYSDEC to shutdown October 13, 2020 (TW)

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;
   No - AS system was approved to shutdown by NYSDEC on Oct. 13, 2020. (12)

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

   (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; Yes

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

   (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

YES	NO
X	X - see above

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.

Jacqueline Wall, PG — 9/9/21

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 Hall (print name) at EnviroTrac Ltd. (print business address),

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

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

Tracy Hall, PG
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

9/9/21
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 at EnviroTrac Engineering PE PC,
print name print business address

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

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

No. 083935 (Required for PE)

9/9/21
Date

PERIODIC REVIEW REPORT

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EnviroTrac

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List of Acronyms

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

List of Acronyms *(continued)*

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

1.0 EXECUTIVE SUMMARY

1.1 Site Summary

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

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

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

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

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

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

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

SSDS in the adjoining supermarket. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket. The NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

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. Soil Vapor Extraction (SVE) system 3. Sub-slab Depressurization (SSD) system	
Inspections:		Frequency
1. Cover inspection		Annually
Monitoring:		
1. SVE Wells 1-4		Monthly
2. SSDS Extraction Points		Annually

3. Groundwater Monitoring Wells MW-1S, MW-2S, MW-5S, MW-8S, MW-10S, and MW-11S	Annually
Maintenance:	
1. Blower maintenance	Monthly
Reporting:	
1. Treatment System Data	Annually
2. Periodic Review Report	Annually

1.2 Effectiveness of the Remedial Program

Monthly Site visits were conducted for the SVE (September 2020 to August 2021), groundwater monitoring was conducted on a quarterly basis (November 2020, February 2021, May 2021, and August 2021), and the SSDS for the adjoining supermarket unit and Site cover are inspected annually. The annual Site inspection was conducted on August 18, 2021. The ECs include the OMM of the SVE and SSDS, and the maintenance of the Site cover system. The SSDS has been operating since May 2017 and the SVE has been operating since January 2019. Monitoring results for the SVE system and SSDS showed that they were operating properly with no issues. Inspection of the Site cover indicated no issues. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the remediation system. During all Site visits, no changes in the use of the Site were noted.

1.3 Compliance

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

1.4 Recommendations

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 UUSCO at B-7 and S-3. A 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 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 and the SSDS, 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. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket. The NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

EnviroTrac recommends that should the next SVI investigation results show that mitigation is no longer required for the adjoining supermarket unit and no rebound of vapors is shown for the current laundromat, that the SVE and SSDS for the adjoining supermarket unit be decommissioned and dismantled and associated wells and extraction points for the SVE and AS, and SSDS in the adjoining supermarket be properly abandoned. OMM for the Site will be reduced to a once annual visit to monitor the Site cover, SSDS for the laundromat, and groundwater monitoring.

2.0 SITE OVERVIEW

2.1 Site Location and Description

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

2.2 Physical Setting

2.2.1 Land Use

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

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

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

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

2.3 Investigation and Remedial History

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

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

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

control exposure to remaining contamination to ensure the protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Kings County Clerk, requires compliance with the SMP and all ECs and ICs placed on the Site.

The ECs include a SVE, a SSDS at the adjoining supermarket unit, and the Site cover (building slab, concrete sidewalks, asphalt parking lot).

The SVE was installed at the Site from October to December 2018 and January 2019 and began operation in January 2019. The purpose of the SVE is to reduce the levels of remaining soil contamination over time in the rear parking lot and beneath the basement of the former dry cleaner/current laundromat to at or below NYSDEC Residential Restricted Soil Cleanup Objectives (RRSCO) and to capture vapors present beneath the slab of the former dry cleaner/current laundromat.

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

3.0 REMEDIAL PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

3.1 Soil Vapor Extraction (SVE)

The performance, effectiveness, and protectiveness of the SVE is evaluated by conducting monthly OMM visits and collecting an annual SVE effluent air discharge sample. **Figure 2** shows the location of the ECs at the Site, including the SVE wells. **Table 1** summarizes the SVE effluent discharge air sample. The total VOC effluent discharge in pounds per hour were calculated and are summarized in **Table 2**. The results show that the SVE effluent air discharge total VOC concentrations are below the NYSDEC air discharge standard of 0.5 pounds per hour. The SVE OMM Logs are provided in **Appendix A**. The laboratory report is provided in **Appendix B**. The SVE Site Management Form is provided in **Appendix C**. **Table 3** summarizes vacuum measurements recorded for vacuum monitoring points (VMPs) located in the basement slab for the current laundromat.

3.2 Sub-slab Depressurization System (SSDS)

The performance, effectiveness, and protectiveness of the SSDS in the adjoining supermarket is evaluated by conducting an annual certification and collecting vacuum readings from beneath the basement slab. A total of seven (7) vacuum monitoring points (VMPs) were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDSs. Five (4) VMPs were installed within the adjoining supermarket unit, and two (2) VMPS were installed within the current laundromat unit. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS blower (fans) (adjoining supermarket unit). **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 3** summarizes the VMP

readings. Two (2) VMPs located in the basement of the supermarket were blocked by heavy equipment/shelving and vacuum could not be measured at these points at this time. However, vacuum measured at the remaining VMPs was well above the acceptable level of vacuum, at 0.002 inches of water. The SSDS in the adjoining supermarket unit is performing properly and therefore, protecting human health and the environment. The SSDS Site Management Form is provided in **Appendix C**.

3.3 Groundwater Monitoring Well Results

Natural attenuation of contaminants in groundwater are evaluated by sampling the groundwater over time and tracking the changes. Quarterly groundwater monitoring events have occurred since the start-up of the remediation system. Groundwater monitoring events occurred in November 20120, February 2021, May 2021, and August 2021. 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. **Figures 3, 4, 5,** and **6** show the monitoring well locations and groundwater flow contour lines. **Table 4** summarizes the water level measurements from November 2020 to August 2021. **Table 5** summarizes the groundwater monitoring events at the Site from April 2016 to August 2021. The highest detected groundwater monitoring well sample concentration for PCE collected on August 11, 2021, was 23.6 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Only three (3) monitoring wells (MW-5S, MW-8S, and MW-10S) have detections of PCE that are very slightly above its NYSDEC Class GA Ambient Water Standard; therefore, it was recommended that groundwater monitoring be reduced to an annual basis. This was approved by the NYSDEC and NYSDOH.

Since the startup of the remediation system, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform,

cis-1,2-dichloroethylene (breakdown product of PCE), and TCE (breakdown product of PCE). Concentrations of chloroform were detected slightly above its respective NYSDEC Class GA Ambient Water Quality Standard for the August 2021 monitoring event in two (2) wells (MW-2S and MW-11S). The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that natural attenuation of contaminants is occurring at and off-Site.

4.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

4.1 IC/EC Compliance

Since remaining contamination exists at the Site, ICs and ECs are required to protect human health and the environment. IC compliance was conducted on an annual basis by performing a Site inspection to determine that activities conducted at the Site are not in violation with the Environmental Easement in August 2021. EC compliance was conducted on a monthly, quarterly, and annual basis for the SVE system (monthly – September 2020 to August 2021), groundwater monitoring (quarterly – November 2020, February 2021, May 2021, and August 2021), SSDS (annually – August 2021), and Site cover (annually – August 2021).

4.1.1 Institutional Controls

Adherence to the ICs on the Site is required by the Environmental Easement. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown on **Figure 7**. These ICs:

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

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

4.1.2 Engineering Controls

4.1.2.1 Cover

The Site cover inspection was conducted on August 18, 2021. No changes to the use of the building at the Site were observed. No indications that an excavation occurred at the Site, and no significant cracks or holes were observed in the building basement floor, asphalt parking lot, or surrounding concrete pavement. The Site Inspection Form is provided in **Appendix D**. The cover system remains in good condition; therefore, it is protecting human health and the environment.

4.1.2.2 Soil Vapor Extraction (SVE)

SVE OMM visits occurred on a weekly basis following system start-up followed by monthly OMM visits. No issues were reported for the SVE, including the blower, piping, and gauges, or the SVE wells since the start-up of the system. The annual SVE effluent air discharge sample was collected on August 18, 2021. **Table 1** summarizes the SVE effluent discharge air sample. The total VOC effluent discharge in pounds per hour were calculated and are summarized in **Table 2**. The results show that the SVE effluent air discharge total VOC concentrations are below the NYSDEC air discharge standard of 0.5 pounds per hour. The SVE OMM Logs are provided in **Appendix A**. The laboratory report is provided in **Appendix B**. The SVE Site Management Form is provided in **Appendix C**. The SVE performed properly during the period of September 2020 to August 2021, therefore, it is protecting human health and the environment.

4.1.2.3 Sub-slab Depressurization System (SSDS)

An annual certification and collection of vacuum readings from beneath the basement slab were conducted on August 18, 2021. No issues were reported for the SSDS within the adjoining supermarket unit, including the blower (fan), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDS and SVE. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS for the adjoining supermarket unit and the SVE system for the laundromat unit. **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 3** summarizes the VMP readings. Two (2) VMPs located in the basement of the supermarket were blocked by heavy equipment/shelving and vacuum could not be measured at these points at this time. However, vacuum measured at the remaining VMPs was well above the acceptable level of vacuum, at 0.002 inches of water. The SSDS is performing properly and therefore, protecting human health and the environment. The SSDS Site Management Form is provided in **Appendix C**.

4.1.2.4 Groundwater Monitoring Results

Quarterly groundwater monitoring events have occurred since the remediation systems start-up. Groundwater monitoring events occurred in November 2020, February 2021, May 2021, and August 2021. 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. **Figures 3, 4, 5,** and **6** show the monitoring well locations and groundwater flow contour lines. **Table 4** summarizes the water level measurements from August 2019 to August 2021. **Table 5** summarizes the groundwater monitoring events at the Site from April 2016 to August 2021. The highest detected groundwater monitoring well sample concentration for PCE collected on August 11, 2021, was 23.6 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Some of the detected concentrations for PCE remain very

slightly above its NYSDEC Class GA Ambient Water Quality Standard; however, have shown a significant decrease overall and have remained low (below 100 ug/L) since February 2020. Elevated PCE detections (100 ppb or greater) were previously shown in wells MW-5S (off-Site, across the street), MW-10S (on-Site in basement beneath the former dry cleaner/current laundromat), and MW-11S (on-Site in front of the former dry cleaner/current laundromat). Since the startup of the remediation system, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform, cis-1,2-dichloroethylene (breakdown product of PCE), and trichloroethylene (breakdown product of PCE). Concentrations of chloroform, cis-1,2-dichloroethylene, and trichloroethylene were detected slightly above their respective NYSDEC Class GA Ambient Water Quality Standards in previous monitoring events; however, only chloroform was detected at a concentration slightly above its NYSDEC Class GA Ambient Water Quality Standard in two (2) wells (MW-2S and MW-11S) for the August 2021 monitoring event. The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that the remediation system at the Site has been operating properly and is protecting human health and the environment.

4.2 Corrective Measures

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

4.3 Conclusions and Recommendations

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

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 UUSCO at B-7 and S-3. A 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 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. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket. The NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

4.4 IC/EC Certification

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

- *The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*

- *The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*

- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*

- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*

- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*

- *Use of the Site is compliant with the environmental easement;*

- *The engineering control systems are performing as designed and are effective;*

- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Dale Konas, PE, of EnviroTrac Engineering PE PC, 5 Old Dock Road, Yaphank, New York 11980, am certifying as Owner's/Remedial Party's Designated Site Representative: *I have been authorized and designated by all Site owners/remedial parties to sign this certification for the Site."*

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

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

_____ P.E.

9/9/21 DATE

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

5.0 MONITORING PLAN COMPLAINCE REPORT

5.1 Components of the Monitoring Plan

Media sampled as part of the Monitoring Plan include SVE effluent discharge air and groundwater. The SVE effluent discharge air sample results determine if the SVE is in compliance with NYSDEC discharge guidance values. The groundwater monitoring results determine if the remediation system at the Site is removing contaminants from the soil beneath the Site. The following summarizes the monitoring conducted for the Site in compliance with the Monitoring Plan in the SMP.

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

5.1.1 Soil Vapor Extraction (SVE)

SVE OMM visits occurred on a weekly basis following system start-up followed by monthly OMM visits. No issues were reported for the SVE, including the blower, piping, and gauges, or the SVE wells since the start-up of the system. The annual SVE effluent air discharge sample was collected on August 18, 2021. **Table 1** summarizes the SVE effluent discharge air sample. The total VOC effluent discharge in pounds per hour were calculated and are summarized in **Table 2**. The results show that the SVE effluent air discharge total VOC concentrations are below the NYSDEC air discharge standard of 0.5 pounds per hour. The SVE OMM Logs are provided in **Appendix A**. The laboratory report is provided in **Appendix B**. The SVE Site Management Form is provided in **Appendix C**. The SVE is performing properly, therefore, it is protecting human health and the environment.

5.1.2 Quarterly Groundwater Monitoring

Quarterly groundwater monitoring events have occurred since the remediation system start-up. Groundwater monitoring events occurred in November 2020, February 2021, May 2021, and August 2021. 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. **Figures 3, 4, 5,** and **6** show the monitoring well locations and groundwater flow contour lines. **Table 4** summarizes the water level measurements from August 2019 to August 2021. **Table 5** summarizes the groundwater monitoring events at the Site from April 2016 to August 2021. The groundwater results are compared to the NYSDEC Class GA Ambient Water Quality Standards. The highest detected groundwater monitoring well sample concentration for PCE collected on August 11, 2021, was 23.6 ug/L in MW-10S. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. Some of the detected concentrations for PCE remain very slightly above its NYSDEC Class GA Ambient Water Quality Standard; however, have shown a significant decrease overall and have remained low (below 100 ug/L) since February 2020. Elevated PCE detections (100 ppb or greater) were previously shown in wells MW-5S (off-Site, across the street), MW-10S (on-Site in basement beneath the former dry cleaner/current laundromat), and MW-11S (on-Site in front of the former dry cleaner/current laundromat). Since the startup of the remediation system, PCE concentrations have significantly decreased in all on and off-Site wells. Other VOCs detected in the groundwater overtime included acetone (common laboratory contaminant), chloroform, cis-1,2-dichloroethylene (breakdown product of PCE), and trichloroethylene (breakdown product of PCE). Concentrations of chloroform, cis-1,2-dichloroethylene, and trichloroethylene were detected slightly above their respective NYSDEC Class GA Ambient Water Quality Standards in previous monitoring events; however, only chloroform was detected at a concentration slightly above its NYSDEC Class GA Ambient Water Quality Standard in two (2) wells (MW-2S and MW-11S) for the August 2021 monitoring event. The laboratory report is provided in **Appendix B**. The significant decrease in the groundwater concentrations indicates that the remediation

system at the Site has been operating properly and is protecting human health and the environment.

5.1.3 Off-Site Soil Vapor Intrusion Sampling

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

5.2 Monitoring Deficiencies

No monitoring deficiencies were reported for the Site.

5.3 Conclusions and Recommendations

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 UUSCO at B-7 and S-3. A 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 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. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket.

Based on the above improvements in groundwater quality on and off-Site, the NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

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

OMM visits are conducted on a monthly basis for the SVE, and on an annual basis for the SSDS in the supermarket unit.

6.1.1 Soil Vapor Extraction (SVE)

SVE OMM visits occurred on a weekly basis following system start-up followed by monthly OMM visits. No issues were reported for the SVE, including the blower, piping, and gauges, or the SVE wells since the start-up of the system. The annual SVE effluent air discharge sample was collected on August 18, 2021. **Table 1** summarizes the SVE effluent discharge air sample. The total VOC effluent discharge in pounds per hour were calculated and are summarized in **Table 2**. The results show that the SVE effluent air discharge total VOC concentrations are below the NYSDEC air discharge standard of 0.5 pounds per hour. The SVE OMM Logs are provided in **Appendix A**. The laboratory report is provided in **Appendix B**. The SVE Site Management Form is provided in **Appendix C**. The SVE is performing properly, therefore, it is protecting human health and the environment.

6.1.2 Sub-slab Depressurization System (SSDS)

An annual certification and collection of vacuum readings from beneath the basement slab were conducted on August 18, 2021. No issues were reported for the SSDS within the adjoining supermarket unit, including the blower (fan), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slabs in the supermarket and former dry cleaner/current laundromat following the installation of the SSDS and SVE. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSDS for the adjoining supermarket unit and the SVE system for the laundromat unit. **Figure 2** shows the location of the ECs at the Site, including the SSDS extraction points and VMPs. **Table 3** summarizes the VMP readings. Two (2) VMPs located in the basement of the

supermarket were blocked by heavy equipment/shelving and vacuum could not be measured at these points at this time. However, vacuum measured at the remaining VMPs was well above the acceptable level of vacuum, at 0.002 inches of water. The SSDS is performing properly and therefore, protecting human health and the environment. The SSDS Site Management Form is provided in **Appendix C**.

6.2 Operation, Maintenance, and Monitoring (OMM) Deficiencies

No OMM deficiencies were reported for the SVE or the SSDS.

6.3 Conclusions and Recommendations

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 UUSCO at B-7 and S-3. A 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 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. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket.

7.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

7.1 Compliance with the SMP

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

7.2 Effectiveness of the Remedial Program

Monthly Site visits were conducted for the SVE (September 2020 to August 2021), groundwater monitoring was conducted on a quarterly basis (November 2020, February 2021, May 2021, and August 2021), and the SSDS and Site cover are inspected annually. The annual Site inspection was conducted on August 18, 2021. The ECs include the OMM of a SVE, OMM of a SSDS, and the maintenance of the Site cover. The SSDS has been operating since May 2017 and the SVE have been operating since January 2019. Monitoring results for the SVE and SSDS showed that they were operating properly with no issues. Inspection of the Site cover indicated no issues and no changes in Site use. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the remediation system.

7.3 Future PRR Submittals

PRR will continue to be submitted on an annual basis.

7.4 Recommendations

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 UUSCO at B-7 and S-3. A 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 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. Based on the additional SVI investigation results, a decision could be made regarding dismantling/decommissioning the SVE and the SSDS for the supermarket.

Based on the above improvements in groundwater quality on and off-Site, the NYSDEC and NYSDOH approved that the quarterly groundwater monitoring events could be reduced to annually groundwater monitoring events.

.

FIGURES

TOPOGRAPHIC MAP

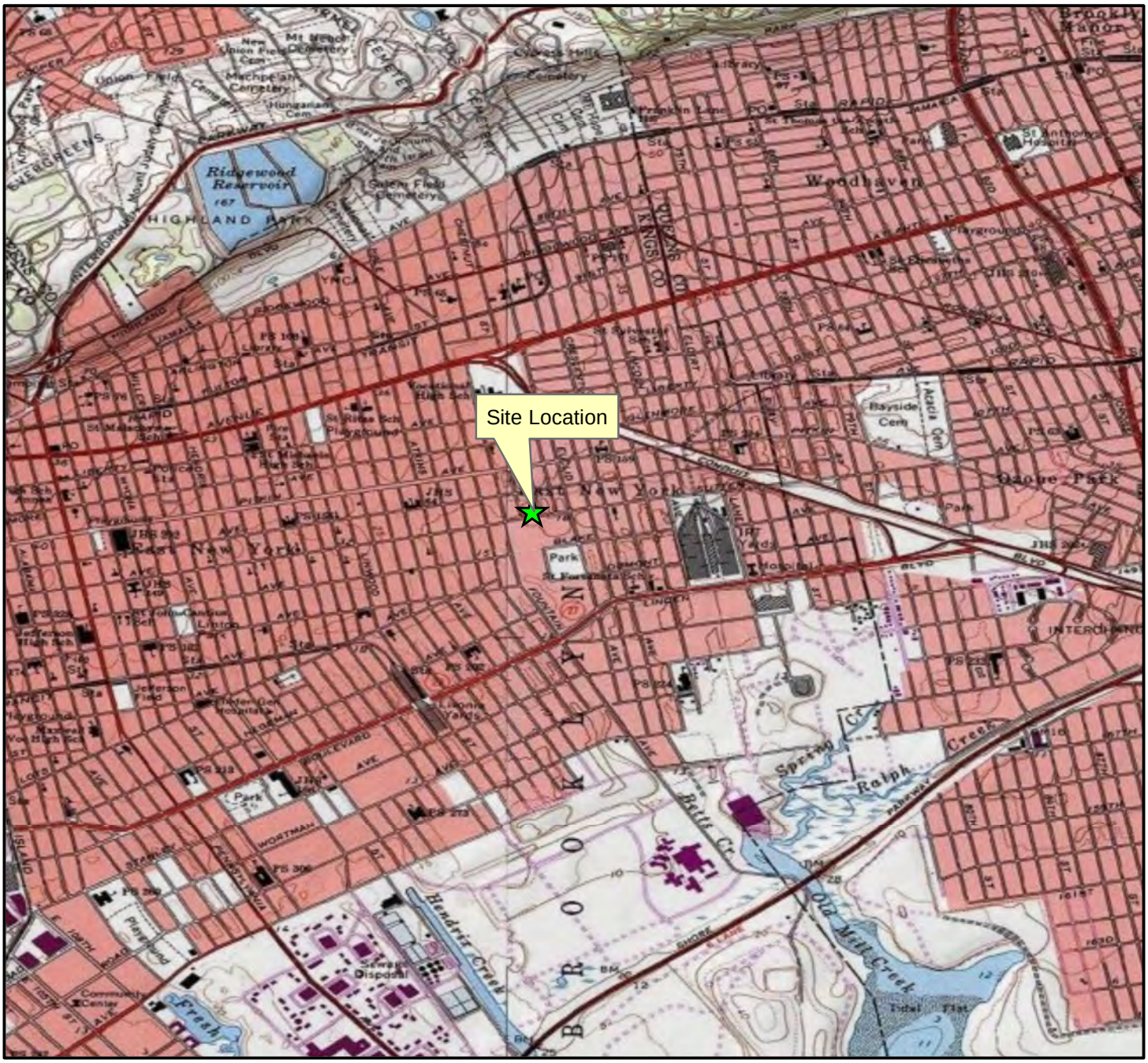


Figure 1
Topographic Map

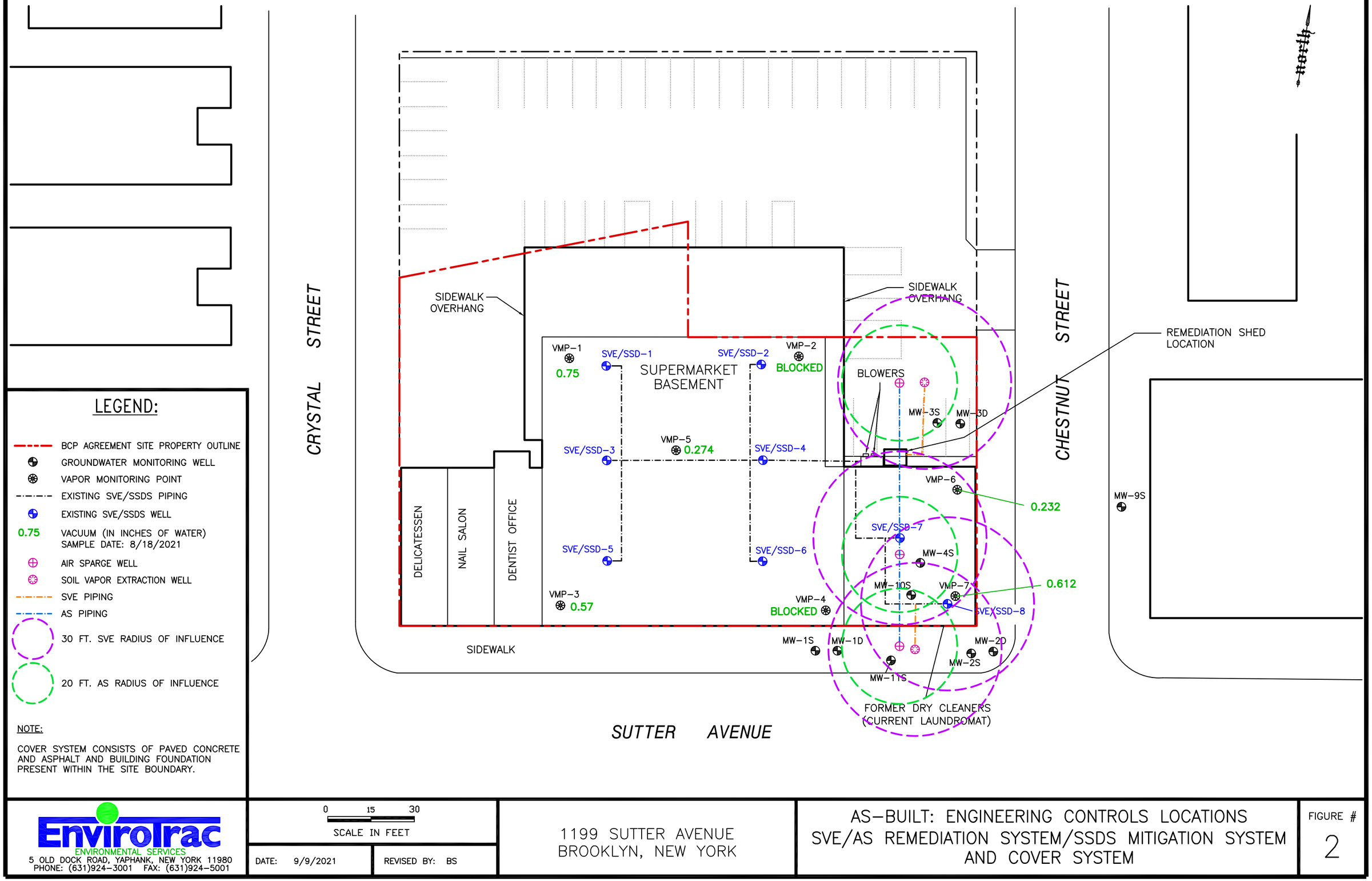
1199 Sutter Avenue
Brooklyn, NY 11208

USGS Quadrangle:
Brooklyn

Approx. Elevation:
19 feet

N
W E
S

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



LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- EXISTING SVE/SSDS PIPING
- EXISTING SVE/SSDS WELL
- 0.75 VACUUM (IN INCHES OF WATER) SAMPLE DATE: 8/18/2021
- 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: 9/9/2021

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

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

FIGURE # 2

CRYSTAL STREET

CHESTNUT STREET

SUPERMARKET BASEMENT

DELICATESSEN

NAIL SALON

DENTIST OFFICE

VMP-1

VMP-2

VMP-3

VMP-4

VMP-5

VMP-6

VMP-7

MW-1S 4.90

MW-1D

MW-2D

MW-2S 5.22

MW-3S 5.50

MW-3D

MW-4S

MW-5S 5.26

MW-5D

MW-6D

MW-6S 4.82

MW-7S 5.15

MW-7D

MW-8S 5.00

MW-8D

MW-9S

MW-10S 5.62

MW-11S 4.88

5.50

5.40

5.30

5.20

5.10

5.00

4.90

SIDEWALK

SIDEWALK

FORMER DRY CLEANERS
(CURRENT LAUNDROMAT)

SUTTER AVENUE

NYC HOUSING
AUTHORITY PROPERTY

APARTMENT
BUILDING

APARTMENT
BUILDING

LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 4.90 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 11/18/2020

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0 20 40
SCALE IN FEET

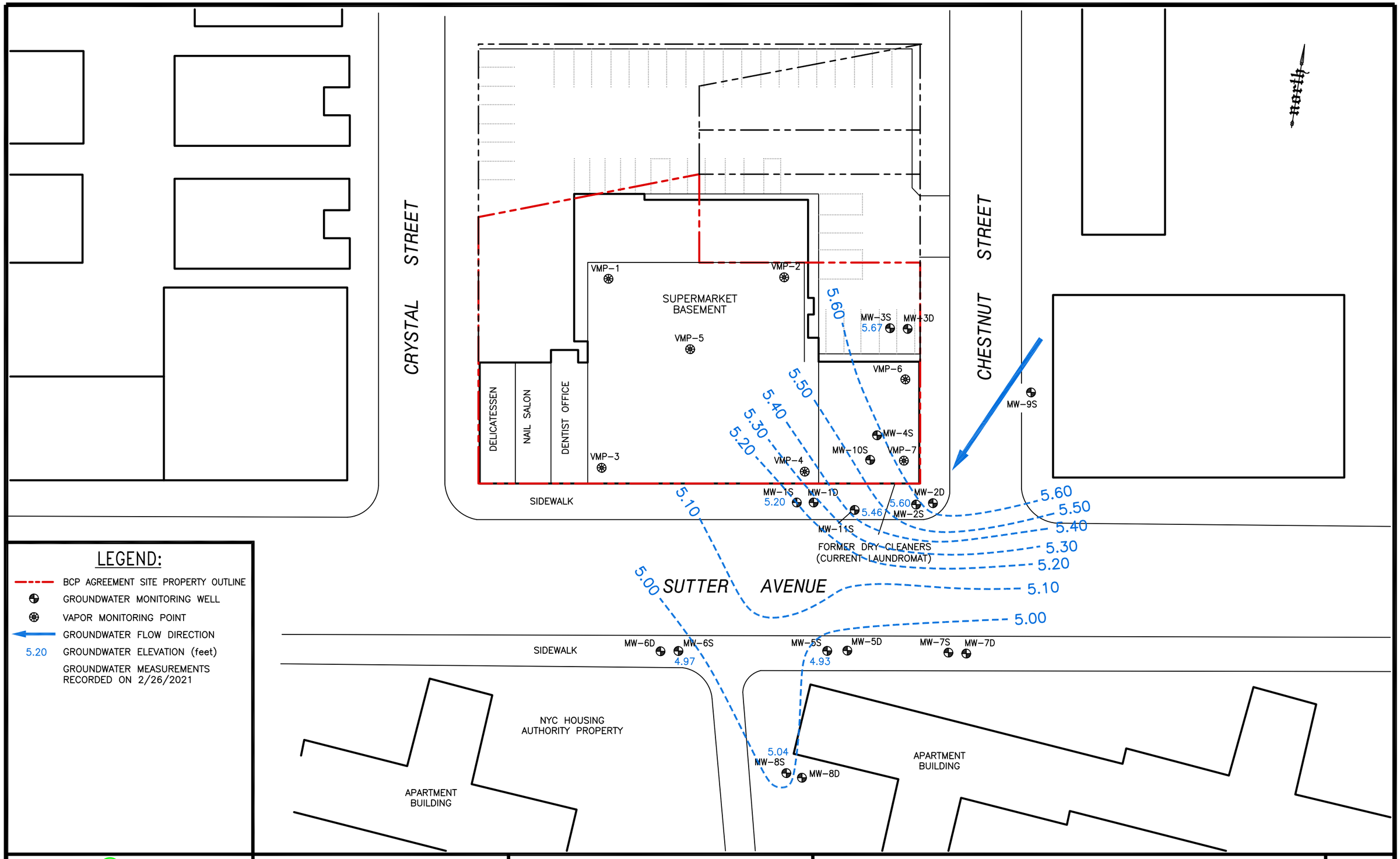
DATE: 4/8/2021

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
NOVEMBER 18, 2020

FIGURE # 3



LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 5.20 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 2/26/2021

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

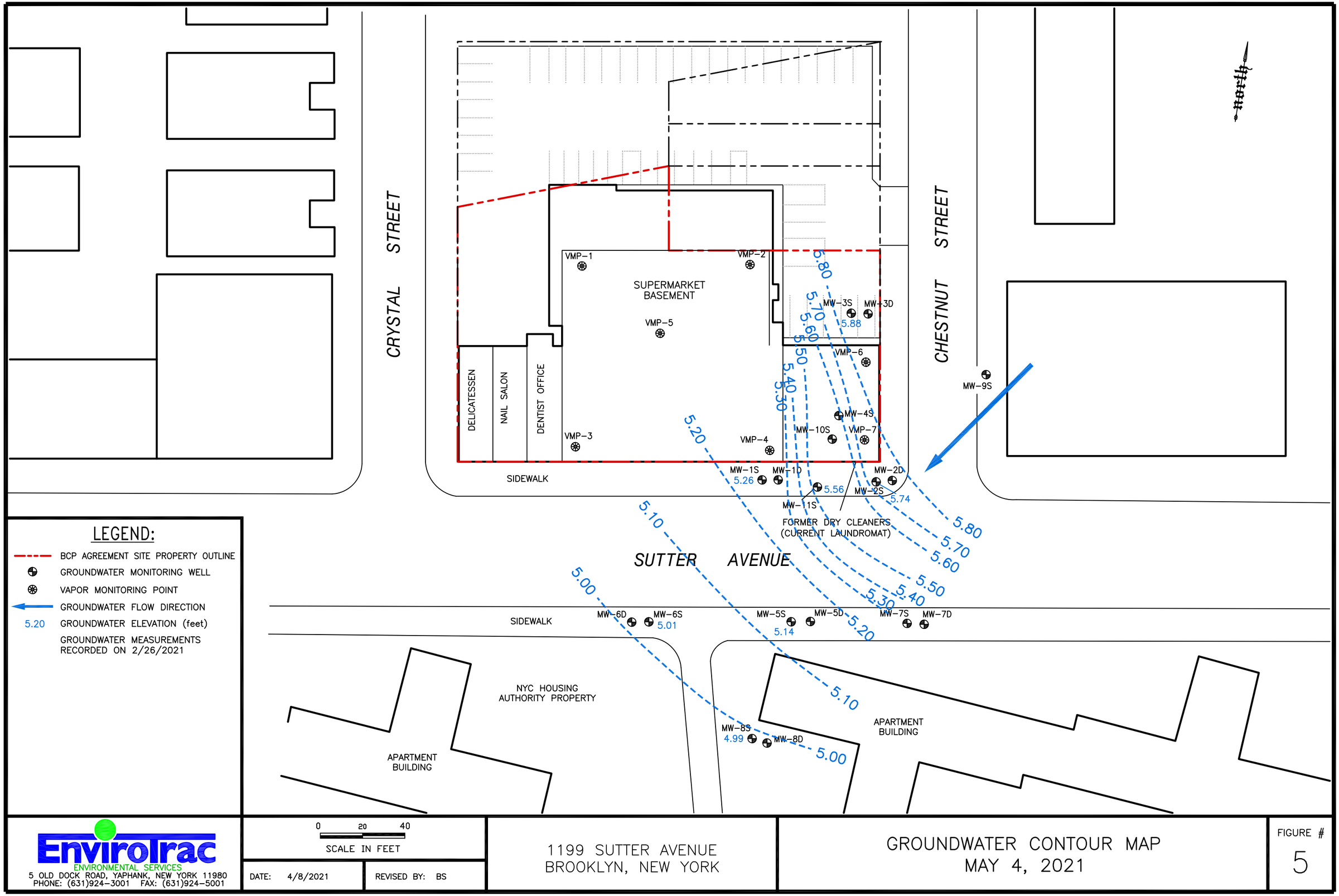
DATE: 4/8/2021

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
FEBRUARY 26, 2021

FIGURE # 4



LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 5.20 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 2/26/2021

EnviroTrac
ENVIRONMENTAL SERVICES
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PHONE: (631)924-3001 FAX: (631)924-5001

0 20 40
SCALE IN FEET

DATE: 4/8/2021

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
MAY 4, 2021

FIGURE # 5

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 4.98

MW-1D

MW-2D

MW-2S 5.27

MW-3S 5.54

MW-3D

MW-4S

MW-9S 6.15

MW-10S

MW-11S

5.50

5.40

5.30

5.20

5.10

5.00

SIDEWALK

FORMER DRY CLEANERS
(CURRENT LAUNDROMAT)

SUTTER AVENUE

SIDEWALK

MW-6D

MW-6S 4.96

MW-5S

MW-5D

MW-7S 4.99

MW-7D

NYC HOUSING AUTHORITY PROPERTY

APARTMENT BUILDING

MW-8S

MW-8D

APARTMENT BUILDING

LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- VAPOR MONITORING POINT
- GROUNDWATER FLOW DIRECTION
- 4.98 GROUNDWATER ELEVATION (feet)
  GROUNDWATER MEASUREMENTS RECORDED ON 2/26/2021

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

0 20 40
SCALE IN FEET

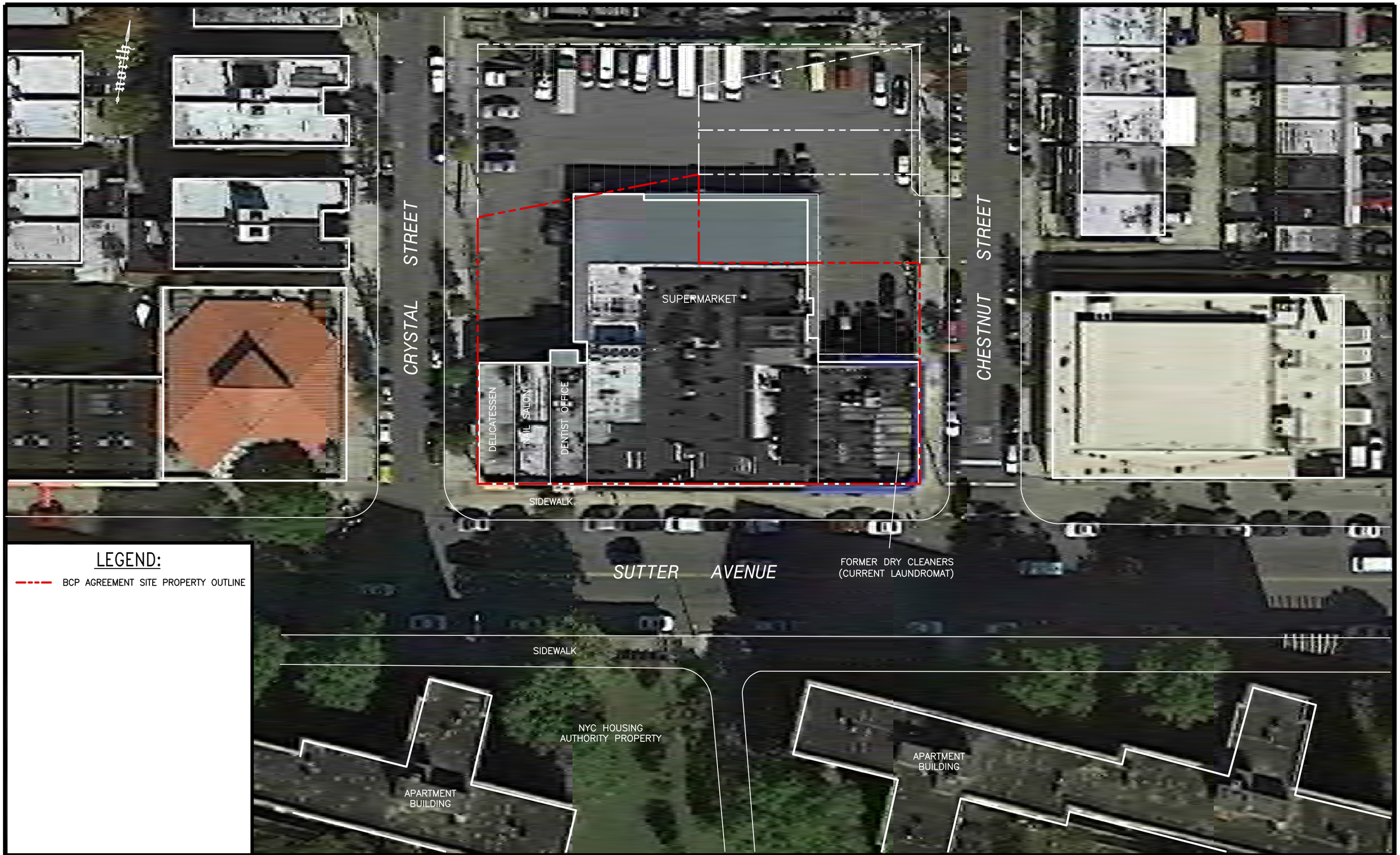
DATE: 9/9/2021

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
AUGUST 18, 2021

FIGURE # 6



LEGEND:

BCP AGREEMENT SITE PROPERTY OUTLINE

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

0 20 40
SCALE IN FEET

DATE: 9/9/2020

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

INSTITUTIONAL CONTROL BOUNDARIES

FIGURE #
7

TABLES

Table 1
Summary of SVE Effluent Air Sample Results
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Sample ID	SVE Effluent
Sample Date	**8/18/2021**
Volatile Organic Compounds ***(in micrograms per cubic meter of air)***	
Acetone	29.3
Bromodichloromethane	3.2
Chloroform	68.5
cis-1,2-Dichloroethylene	48.3
Ethanol	4.4
Tetrachloroethene	1,020
Tetrahydrofuran	4.8
Toluene	3.5
Trichloroethene	48.6
Trichlorofluoromethane	8.3
1,2,4-Trimethylbenzene	1.8
m&p Xylene	2.6

Note:
Only detected analytes are reported.

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Table 2
VOC Calculations for the SVE Effluent Air Discharge
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Sample Date August 18, 2021

Air Emission VOCs- Pounds Per Hour

Emission rates in terms of pounds per hour (lbs/hr) for VOCs are calculated using the pollutant emission rate in parts per million (ppm/dry), flow rate in dscfm (Qs), molecular weight of the pollutant (MW), 60 minutes /hour, divided by 385.3x $10E^6$ dscf/lb-mole @ 68 F.

$$\text{Lbs/hr} = \frac{\text{PPM x Qs x MW x 60}}{385.3\text{x } 10E^6}$$

Compound	MW	PPBv	PPM	CFM	Lbs/Hr	Lbs/Hr	Tons/Yr
Acetone	58.08	12.1	0.0121	160	1.751E-05	0.00002	7.67E-05
Bromodichloromethane	163.80	0.47	0.00047	160	1.918E-06	0.00000	8.40E-06
Chloroform	119.38	13.80	0.0138	160	4.105E-05	0.00004	1.80E-04
cis-1,2-Dichloroethylene	96.94	12	0.012	160	2.898E-05	0.00003	1.27E-04
Ethanol	46.07	2.3	0.0023	160	2.640E-06	0.00000	1.16E-05
Tetrachloroethene	165.83	148	0.148	160	6.115E-04	0.00061	2.68E-03
Tetrahydrofuran	72.11	1.6	0.0016	160	2.875E-06	0.00000	1.26E-05
Toluene	92.14	0.91	0.00091	160	2.089E-06	0.00000	9.15E-06
Trichloroethene	131.39	8.9	0.0089	160	2.914E-05	0.00003	1.28E-04
Trichlorofluoromethane	137.37	1.5	0.0015	160	5.134E-06	0.00001	2.25E-05
1,2,4-Trimethylbenzene	120.19	0.36	0.00036	160	1.078E-06	0.00000	4.72E-06
m&p Xylene	106.16	0.59	0.00059	160	1.561E-06	0.00000	6.84E-06
					Total Lbs/Hr:	**0.00075**	

EnviroTrac

Table 3
Vacuum Monitoring Point Measurements
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Location ID	Vacuum (inches of water
Date	8/18/2021
VMP-1	0.75
VMP-2	Blocked
VMP-3	0.57
VMP-4	Blocked
VMP-5	0.274
VMP-6	0.232
VMP-7	0.612

Note:
VMP-2 and VMP-4 within the supermarket basement were blocked by pallets/shelving/equipment.

Table 4
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 [illegible])	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
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	-
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
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
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
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
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
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

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

EnviroTrac

Table 4
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 [illegible])	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
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
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
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
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
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
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
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
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

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

EnviroTrac

Table 5
Summary of Groundwater Monitoring Results
April 2016 - August 2021
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, New York

Sample ID	MW-1S														NYSDEC
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	Groundwater Standards
Volatile Organic Compounds ***(in micrograms per liter)***															
Acetone	ND	ND	ND	ND	18.4	ND	ND	ND	ND	ND	ND	ND	ND	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	7
cis-1,2-Dichloroethylene	0.71 J	ND	ND	ND	ND	1.70	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	5*
Trichloroethene	3.2	2.1	2.8	1.3	ND	1.2	ND	ND	ND	ND	ND	2.2	ND	ND	5*

Sample ID	MW-2S														NYSDEC
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	Groundwater Standards
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	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**	7
cis-1,2-Dichloroethylene	0.20 J	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	5*
Trichloroethene	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-4S	MW-10S													NYSDEC
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	Groundwater Standards
Volatile Organic Compounds ***(in micrograms per liter)***															
Acetone	ND	ND	ND	ND	12.4	ND	6.70	ND	ND	ND	ND	ND	ND	NS	50
Chloroform	3.00 J	1.50	1.40	ND	ND	ND	ND	ND	3.30	2.70	1.30	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	1.40	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	5*
Tetrachloroethene	**390**	**575**	**363**	**441**	**719**	**111**	**112**	**78.8**	**59.8**	**47.1**	**34.0**	**34.2**	**26.4**	**23.6**	5*
Trichloroethene	**14.0**	**21.0**	**16.2**	**13.4**	**16.2**	2.20	2.00	1.10	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-11S													NYSDEC
Sample Date	5/17/2017	6/27/2017	7/27/2017	8/29/2017	8/13/2019	11/22/2019	2/14/2020	5/20/2020	8/26/2020	11/18/2020	2/10/2021	5/4/2021	8/11/2021	Groundwater Standards
Volatile Organic Compounds ***(in micrograms per liter)***														
Acetone	ND	ND	ND	9.00	ND	ND	ND	ND	ND	ND	ND	ND	NS	50
Chloroform	ND	ND	ND	ND	**9.00**	**9.80**	1.00	**9.50**	6.70	2.90	3.10	**8.50**	**9.10**	7
cis-1,2-Dichloroethylene	ND	1.50	3.50	2.50	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	5*
Trichloroethene	1.10	2.00	3.40	4.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Sample ID	MW-5S														NYSDEC
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	Groundwater Standards
Volatile Organic Compounds ***(in micrograms per liter)***															
Acetone	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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*
Trichloroethene	**10.0**	**7.40**	**8.20**	**7.30**	**9.60**	2.40	1.20	ND	ND	ND	ND	1.20	ND	1.60	5*

Sample ID	MW-8S														NYSDEC
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	Groundwater Standards
Volatile Organic Compounds ***(in micrograms per liter)***															
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	7
cis-1,2-Dichloroethylene	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	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**	5*
Trichloroethene	0.62 J	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

SVE Operations and Maintenance Logs – September 2020 – August 2021

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 25-Sep
Weather / Temp: Clear / 70 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		170			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		80			B- 1 Effluent Pressure ("H2O)		5		
Blower (B-1) Vacuum ("H2O)		82			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		60			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		165			B-1 Run Time (hrs)		14,095.8		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	75	55	0.0	SVE-9	("H2O)/(cfm)/(ppm)	70	42	0.0
SVE-8	("H2O)/(cfm)/(ppm)	75	50	0.0	SVE-10	("H2O)/(cfm)/(ppm)	76	72	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 18-Nov
Weather / Temp: Clear / 35 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		175			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		80			B- 1 Effluent Pressure ("H2O)		5		
Blower (B-1) Vacuum ("H2O)		82			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		55			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		150			B-1 Run Time (hrs)		15,380.8		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	70	50	0.0	SVE-9	("H2O)/(cfm)/(ppm)	70	45	0.0
SVE-8	("H2O)/(cfm)/(ppm)	75	55	0.0	SVE-10	("H2O)/(cfm)/(ppm)	78	80	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 9-Dec
Weather / Temp: Clear / 30 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		170			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		88			B- 1 Effluent Pressure ("H2O)		2		
Blower (B-1) Vacuum ("H2O)		90			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		50			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		160			B-1 Run Time (hrs)		15,888.0		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	75	55	0.0	SVE-9	("H2O)/(cfm)/(ppm)	72	85	0.0
SVE-8	("H2O)/(cfm)/(ppm)	80	50	0.0	SVE-10	("H2O)/(cfm)/(ppm)	82	90	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 15-Jan
Weather / Temp: Clear / 39 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		175			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		82			B- 1 Effluent Pressure ("H2O)		4		
Blower (B-1) Vacuum ("H2O)		82			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		60			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		155			B-1 Run Time (hrs)		16,767.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	70	45	0.0	SVE-9	("H2O)/(cfm)/(ppm)	64	50	0.0
SVE-8	("H2O)/(cfm)/(ppm)	74	58	0.0	SVE-10	("H2O)/(cfm)/(ppm)	73	90	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 26-Feb
Weather / Temp: Clear / 50 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		170			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		88			B- 1 Effluent Pressure ("H2O)		4		
Blower (B-1) Vacuum ("H2O)		90			B- 1 Effluent PID (ppm)		0.1		
B- 1 Influent Temp (deg F)		50			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		150			B-1 Run Time (hrs)		17,770.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	78	24	0.0	SVE-9	("H2O)/(cfm)/(ppm)	68	40	0.0
SVE-8	("H2O)/(cfm)/(ppm)	80	55	0.0	SVE-10	("H2O)/(cfm)/(ppm)	78	80	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 29-Mar
Weather / Temp: Clear / 49 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		160			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		90			B- 1 Effluent Pressure ("H2O)		4		
Blower (B-1) Vacuum ("H2O)		88			B- 1 Effluent PID (ppm)		0.1		
B- 1 Influent Temp (deg F)		50			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		160			B-1 Run Time (hrs)		18,513.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	78	40	0.0	SVE-9	("H2O)/(cfm)/(ppm)	78	45	0.0
SVE-8	("H2O)/(cfm)/(ppm)	82	55	0.0	SVE-10	("H2O)/(cfm)/(ppm)	80	80	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 20-Apr
Weather / Temp: Clear / 70 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		178			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		88			B- 1 Effluent Pressure ("H2O)		2		
Blower (B-1) Vacuum ("H2O)		88			B- 1 Effluent PID (ppm)		0.2		
B- 1 Influent Temp (deg F)		58			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		160			B-1 Run Time (hrs)		19,039.6		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	78	30	0.1	SVE-9	("H2O)/(cfm)/(ppm)	78	40	0.0
SVE-8	("H2O)/(cfm)/(ppm)	82	60	0.0	SVE-10	("H2O)/(cfm)/(ppm)	70	82	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

AS compressor off for repairs.

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 4-May
Weather / Temp: Cloudy / 65 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		160			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		88			B- 1 Effluent Pressure ("H2O)		3		
Blower (B-1) Vacuum ("H2O)		88			B- 1 Effluent PID (ppm)		0.2		
B- 1 Influent Temp (deg F)		60			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		160			B-1 Run Time (hrs)		19,374.5		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	78	38	0.1	SVE-9	("H2O)/(cfm)/(ppm)	78	40	0.0
SVE-8	("H2O)/(cfm)/(ppm)	82	52	0.1	SVE-10	("H2O)/(cfm)/(ppm)	80	65	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

Shut system off for long term monitoring following O&M.

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 9-Jun
Weather / Temp: Clear / 88 DEG F
Technician / Operator: MS, SS

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		200			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		77			B- 1 Effluent Pressure ("H2O)		6		
Blower (B-1) Vacuum ("H2O)		78			B- 1 Effluent PID (ppm)		0.1		
B- 1 Influent Temp (deg F)		67			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		136			B-1 Run Time (hrs)		19,374.8		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	69	54	NM	SVE-9	("H2O)/(cfm)/(ppm)	78	40	NM
SVE-8	("H2O)/(cfm)/(ppm)	72	43	NM	SVE-10	("H2O)/(cfm)/(ppm)	80	65	NM
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

Restarted system.

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 6-Aug
Weather / Temp: Clear / 75 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		175			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		84			B- 1 Effluent Pressure ("H2O)		4		
Blower (B-1) Vacuum ("H2O)		82			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		70			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		165			B-1 Run Time (hrs)		20,761.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	72	42	0.0	SVE-9	("H2O)/(cfm)/(ppm)	74	38	0.0
SVE-8	("H2O)/(cfm)/(ppm)	76	48	0.0	SVE-10	("H2O)/(cfm)/(ppm)	78	70	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

Operation & Maintenance Data Sheet

AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date: 18-Aug
Weather / Temp: Clear / 75 DEG F
Technician / Operator: JO

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		160			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		84			B- 1 Effluent Pressure ("H2O)		3		
Blower (B-1) Vacuum ("H2O)		84			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		70			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		165			B-1 Run Time (hrs)		21,046.7		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7	("H2O)/(cfm)/(ppm)	74	45	0.0	SVE-9	("H2O)/(cfm)/(ppm)	72	35	0.0
SVE-8	("H2O)/(cfm)/(ppm)	76	50	0.0	SVE-10	("H2O)/(cfm)/(ppm)	78	70	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)					Heat Exchanger Influent Temp (deg F)				
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)				
C-1 Run Time (hrs)		6,824.4							
AS Manifold Legs - Pressure									
AS-2	(psi)								
AS-1	(psi)								
AS-3	(psi)								
Vacuum Influence Monitoring									
VMP-1	("H2O)	NM			VMP-5	("H2O)	NM		
VMP-2	("H2O)	NM			VMP-6	("H2O)	NM		
VMP-3	("H2O)	NM			VMP-7	("H2O)	NM		
VMP-4	("H2O)	NM							

Notes, Comments & Observations:

APPENDIX B

Laboratory Reports

EnviroTrac

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

August 23, 2021

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

RE: Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Dear Mr. Russo:

Enclosed are the analytical results for sample(s) received by the laboratory on August 12, 2021. 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,

Sophia Sparkes
sophia.sparkes@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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

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

CERTIFICATIONS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70183880001	**MW-1S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880002	**MW-2S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880003	**MW-5S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880004	**MW-8S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880005	**MW-10S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880006	**MW-11S**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880007	**BD**	EPA 8260C/5030C	BBL	49	PACE-MV
70183880008	**TRIP BLANK**	EPA 8260C/5030C	BBL	49	PACE-MV

PACE-MV = Pace Analytical Services - Melville

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

PROJECT NARRATIVE

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 23, 2021

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

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

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

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

QC Batch: 222330

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: 70183880007)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- BLANK (Lab ID: 1121100)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- LCS (Lab ID: 1121101)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MS (Lab ID: 1121102)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MSD (Lab ID: 1121103)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane

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

PROJECT NARRATIVE

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 23, 2021

QC Batch: 222330

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.

- Vinyl chloride
- MW-10S (Lab ID: 70183880005)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MW-11S (Lab ID: 70183880006)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MW-1S (Lab ID: 70183880001)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MW-2S (Lab ID: 70183880002)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MW-5S (Lab ID: 70183880003)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- MW-8S (Lab ID: 70183880004)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride
- TRIP BLANK (Lab ID: 70183880008)
  - Chlorodifluoromethane
  - Chloromethane
  - Dichlorodifluoromethane
  - Dichlorotetrafluoroethane
  - Vinyl chloride

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

PROJECT NARRATIVE

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: EnviroTrac Ltd.
Date: August 23, 2021

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

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

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

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

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

Additional Comments:

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

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-1S **Lab ID: 70183880001** Collected: 08/11/21 12:00 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 12:49	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 12:49	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-00-3	
Chloroform	**1.7**	ug/L	1.0	1		08/18/21 12:49	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	76-01-7	N3
Tetrachloroethene	**3.6**	ug/L	1.0	1		08/18/21 12:49	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 12:49	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 12:49	110-57-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-1S **Lab ID: 70183880001** Collected: 08/11/21 12:00 Received: 08/12/21 10:55 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								
1,2-Dichloroethane-d4 (S)	97	%	70-123	1		08/18/21 12:49	17060-07-0	
4-Bromofluorobenzene (S)	101	%	66-119	1		08/18/21 12:49	460-00-4	
Toluene-d8 (S)	104	%	82-121	1		08/18/21 12:49	2037-26-5	

Sample: MW-2S **Lab ID: 70183880002** Collected: 08/11/21 10:30 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 13:09	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 13:09	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-00-3	
Chloroform	**13.4**	ug/L	1.0	1		08/18/21 13:09	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-43-4	N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-2S **Lab ID: 70183880002** Collected: 08/11/21 10:30 Received: 08/12/21 10:55 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							
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	76-01-7	N3
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:09	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 13:09	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	70-123	1		08/18/21 13:09	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		08/18/21 13:09	460-00-4	
Toluene-d8 (S)	102	%	82-121	1		08/18/21 13:09	2037-26-5	

Sample: MW-5S **Lab ID: 70183880003** Collected: 08/11/21 12:30 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 13:28	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	106-43-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-5S **Lab ID: 70183880003** Collected: 08/11/21 12:30 Received: 08/12/21 10:55 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		08/18/21 13:28	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 13:28	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/18/21 13:28	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	76-01-7	N3
Tetrachloroethene	**19.2**	ug/L	1.0	1		08/18/21 13:28	127-18-4	
Trichloroethene	**1.6**	ug/L	1.0	1		08/18/21 13:28	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:28	75-01-4	v3
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	1		08/18/21 13:28	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 13:28	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	70-123	1		08/18/21 13:28	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		08/18/21 13:28	460-00-4	
Toluene-d8 (S)	103	%	82-121	1		08/18/21 13:28	2037-26-5	

Sample: MW-8S **Lab ID: 70183880004** Collected: 08/11/21 13:35 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	96-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-8S **Lab ID: 70183880004** Collected: 08/11/21 13:35 Received: 08/12/21 10:55 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							
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 13:48	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 13:48	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-00-3	
Chloroform	**6.1**	ug/L	1.0	1		08/18/21 13:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	76-01-7	N3
Tetrachloroethene	**11.0**	ug/L	1.0	1		08/18/21 13:48	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 13:48	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 13:48	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	70-123	1		08/18/21 13:48	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		08/18/21 13:48	460-00-4	
Toluene-d8 (S)	104	%	82-121	1		08/18/21 13:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-10S **Lab ID: 70183880005** Collected: 08/11/21 08:50 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 14:07	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 14:07	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/18/21 14:07	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	76-01-7	N3
Tetrachloroethene	**23.6**	ug/L	1.0	1		08/18/21 14:07	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:07	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 14:07	110-57-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-10S **Lab ID: 70183880005** Collected: 08/11/21 08:50 Received: 08/12/21 10:55 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								
1,2-Dichloroethane-d4 (S)	95	%	70-123	1		08/18/21 14:07	17060-07-0	
4-Bromofluorobenzene (S)	99	%	66-119	1		08/18/21 14:07	460-00-4	
Toluene-d8 (S)	102	%	82-121	1		08/18/21 14:07	2037-26-5	

Sample: MW-11S **Lab ID: 70183880006** Collected: 08/11/21 09:30 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 14:26	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 14:26	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-00-3	
Chloroform	**9.1**	ug/L	1.0	1		08/18/21 14:26	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-43-4	N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: MW-11S **Lab ID: 70183880006** Collected: 08/11/21 09:30 Received: 08/12/21 10:55 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							
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	76-01-7	N3
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:26	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 14:26	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	70-123	1		08/18/21 14:26	17060-07-0	
4-Bromofluorobenzene (S)	100	%	66-119	1		08/18/21 14:26	460-00-4	
Toluene-d8 (S)	103	%	82-121	1		08/18/21 14:26	2037-26-5	

Sample: BD **Lab ID: 70183880007** Collected: 08/11/21 09:30 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	96-18-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 14:46	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	106-43-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: BD **Lab ID: 70183880007** Collected: 08/11/21 09:30 Received: 08/12/21 10:55 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		08/18/21 14:46	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 14:46	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-00-3	
Chloroform	**9.1**	ug/L	1.0	1		08/18/21 14:46	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	76-01-7	N3
Tetrachloroethene	**1.0**	ug/L	1.0	1		08/18/21 14:46	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 14:46	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 14:46	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	70-123	1		08/18/21 14:46	17060-07-0	
4-Bromofluorobenzene (S)	98	%	66-119	1		08/18/21 14:46	460-00-4	
Toluene-d8 (S)	100	%	82-121	1		08/18/21 14:46	2037-26-5	

Sample: TRIP BLANK **Lab ID: 70183880008** Collected: 08/11/21 00:00 Received: 08/12/21 10:55 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							
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	87-61-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	96-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Sample: TRIP BLANK **Lab ID: 70183880008** Collected: 08/11/21 00:00 Received: 08/12/21 10:55 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							
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	120-82-1	
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	96-12-8	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	107-06-2	
1,2-Dichloroethene (Total)	**<2.0**	ug/L	2.0	1		08/18/21 12:10	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	106-46-7	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	594-20-7	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	106-43-4	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-27-4	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/18/21 12:10	56-23-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-45-6	N3,v3
Chloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/18/21 12:10	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	74-87-3	v3
Chloroprene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	126-99-8	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	124-48-1	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-71-8	v3
Dichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-43-4	N3
Dichlorotetrafluoroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	76-14-2	v3
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-09-2	
Pentachloroethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	76-01-7	N3
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	127-18-4	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/18/21 12:10	75-01-4	v3
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	10061-01-5	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	10061-02-6	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/18/21 12:10	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	70-123	1		08/18/21 12:10	17060-07-0	
4-Bromofluorobenzene (S)	101	%	66-119	1		08/18/21 12:10	460-00-4	
Toluene-d8 (S)	103	%	82-121	1		08/18/21 12:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

QC Batch: 222330
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70183880001, 70183880002, 70183880003, 70183880004, 70183880005, 70183880006, 70183880007, 70183880008

METHOD BLANK: 1121100
Matrix: Water
Associated Lab Samples: 70183880001, 70183880002, 70183880003, 70183880004, 70183880005, 70183880006, 70183880007, 70183880008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/18/21 10:43	
1,1-Dichloropropene	ug/L	<1.0	1.0	08/18/21 10:43	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	08/18/21 10:43	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	08/18/21 10:43	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	08/18/21 10:43	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	08/18/21 10:43	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	08/18/21 10:43	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	08/18/21 10:43	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/18/21 10:43	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	08/18/21 10:43	
1,3-Dichloropropane	ug/L	<1.0	1.0	08/18/21 10:43	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	08/18/21 10:43	
2,2-Dichloropropane	ug/L	<1.0	1.0	08/18/21 10:43	
2-Chlorotoluene	ug/L	<1.0	1.0	08/18/21 10:43	
4-Chlorotoluene	ug/L	<1.0	1.0	08/18/21 10:43	
Bromochloromethane	ug/L	<1.0	1.0	08/18/21 10:43	
Bromodichloromethane	ug/L	<1.0	1.0	08/18/21 10:43	
Carbon tetrachloride	ug/L	<1.0	1.0	08/18/21 10:43	
Chlorodifluoromethane	ug/L	<1.0	1.0	08/18/21 10:43	N3,v3
Chloroethane	ug/L	<1.0	1.0	08/18/21 10:43	
Chloroform	ug/L	<1.0	1.0	08/18/21 10:43	
Chloromethane	ug/L	<1.0	1.0	08/18/21 10:43	v3
Chloroprene	ug/L	<1.0	1.0	08/18/21 10:43	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	08/18/21 10:43	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/18/21 10:43	
Dibromochloromethane	ug/L	<1.0	1.0	08/18/21 10:43	
Dibromomethane	ug/L	<1.0	1.0	08/18/21 10:43	
Dichlorodifluoromethane	ug/L	<1.0	1.0	08/18/21 10:43	v3
Dichlorofluoromethane	ug/L	<1.0	1.0	08/18/21 10:43	N3
Dichlorotetrafluoroethane	ug/L	<1.0	1.0	08/18/21 10:43	v3
Methylene Chloride	ug/L	<1.0	1.0	08/18/21 10:43	
Pentachloroethane	ug/L	<1.0	1.0	08/18/21 10:43	N3

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

METHOD BLANK: 1121100 Matrix: Water
Associated Lab Samples: 70183880001, 70183880002, 70183880003, 70183880004, 70183880005, 70183880006, 70183880007, 70183880008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	<1.0	1.0	08/18/21 10:43	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	08/18/21 10:43	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/18/21 10:43	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	08/18/21 10:43	
Trichloroethene	ug/L	<1.0	1.0	08/18/21 10:43	
Trichlorofluoromethane	ug/L	<1.0	1.0	08/18/21 10:43	
Vinyl chloride	ug/L	<1.0	1.0	08/18/21 10:43	v3
1,2-Dichloroethane-d4 (S)	%	97	70-123	08/18/21 10:43	
4-Bromofluorobenzene (S)	%	99	66-119	08/18/21 10:43	
Toluene-d8 (S)	%	104	82-121	08/18/21 10:43	

LABORATORY CONTROL SAMPLE: 1121101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.7	103	66-133	
1,1,1-Trichloroethane	ug/L	50	44.1	88	62-121	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	75-122	
1,1,2-Trichloroethane	ug/L	50	50.3	101	80-122	
1,1-Dichloroethane	ug/L	50	48.4	97	68-127	
1,1-Dichloroethene	ug/L	50	51.6	103	65-123	
1,1-Dichloropropene	ug/L	50	43.2	86	74-115	
1,2,3-Trichlorobenzene	ug/L	50	53.1	106	53-123	
1,2,3-Trichloropropane	ug/L	50	49.2	98	63-123	
1,2,4-Trichlorobenzene	ug/L	50	54.4	109	60-124	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	52-126	
1,2-Dichlorobenzene	ug/L	50	51.5	103	76-117	
1,2-Dichloroethane	ug/L	50	48.3	97	73-128	
1,2-Dichloropropane	ug/L	50	48.0	96	79-117	
1,3-Dichlorobenzene	ug/L	50	51.4	103	73-120	
1,3-Dichloropropane	ug/L	50	52.6	105	76-125	
1,4-Dichlorobenzene	ug/L	50	50.5	101	73-119	
2,2-Dichloropropane	ug/L	50	46.7	93	46-134	
2-Chlorotoluene	ug/L	50	47.9	96	67-121	
4-Chlorotoluene	ug/L	50	49.2	98	68-121	
Bromochloromethane	ug/L	50	53.4	107	75-130	
Bromodichloromethane	ug/L	50	50.3	101	74-127	
Carbon tetrachloride	ug/L	50	46.5	93	64-122	
Chlorodifluoromethane	ug/L	50	36.2	72	42-122	N3,v3
Chloroethane	ug/L	50	40.0	80	60-129	
Chloroform	ug/L	50	49.8	100	74-129	
Chloromethane	ug/L	50	35.0	70	43-126	v3
Chloroprene	ug/L	50	53.9	108	65-125	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	72-127	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

LABORATORY CONTROL SAMPLE: 1121101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	52.6	105	65-134	
Dibromochloromethane	ug/L	50	49.6	99	71-130	
Dibromomethane	ug/L	50	51.8	104	76-119	
Dichlorodifluoromethane	ug/L	50	29.1	58	14-130	v3
Dichlorofluoromethane	ug/L	50	46.1	92	69-129	N3
Dichlorotetrafluoroethane	ug/L	50	35.2	70	15-137	v3
Methylene Chloride	ug/L	50	48.2	96	69-126	
Pentachloroethane	ug/L	50	52.3	105	11-186	N3
Tetrachloroethene	ug/L	50	46.3	93	65-120	
trans-1,2-Dichloroethene	ug/L	50	50.4	101	71-125	
trans-1,3-Dichloropropene	ug/L	50	49.1	98	54-139	
trans-1,4-Dichloro-2-butene	ug/L	50	47.4	95	46-133	
Trichloroethene	ug/L	50	46.4	93	73-116	
Trichlorofluoromethane	ug/L	50	43.1	86	59-134	
Vinyl chloride	ug/L	50	37.7	75	50-130	v3
1,2-Dichloroethane-d4 (S)	%			95	70-123	
4-Bromofluorobenzene (S)	%			98	66-119	
Toluene-d8 (S)	%			103	82-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121102 1121103

Parameter	Units	70183880004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	50.9	53.4	102	107	60-127	5	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	46.0	49.8	92	100	60-127	8	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	53.1	55.7	106	111	74-118	5	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.2	51.3	96	103	80-120	6	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	49.5	51.2	99	102	62-133	3	
1,1-Dichloroethane	ug/L	<1.0	50	50	48.2	51.4	96	103	69-131	6	
1,1-Dichloroethene	ug/L	<1.0	50	50	49.9	52.1	100	104	70-129	4	
1,1-Dichloropropene	ug/L	<1.0	50	50	45.5	49.4	91	99	78-118	8	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	53.1	59.8	106	120	48-128	12	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	47.4	49.7	95	99	60-120	5	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	51.9	57.3	104	115	54-129	10	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	44.8	52.6	90	105	42-123	16	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	50.2	53.1	100	106	73-117	6	
1,2-Dichloroethane	ug/L	<1.0	50	50	45.9	49.7	92	99	70-129	8	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	104	103	104	103	67-132	0	
1,2-Dichloropropane	ug/L	<1.0	50	50	47.2	50.6	94	101	77-118	7	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	50.8	53.9	102	108	72-121	6	
1,3-Dichloropropane	ug/L	<1.0	50	50	48.9	52.9	98	106	75-117	8	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	49.8	52.1	100	104	70-120	4	
2,2-Dichloropropane	ug/L	<1.0	50	50	45.6	47.4	91	95	38-132	4	
2-Chlorotoluene	ug/L	<1.0	50	50	48.6	52.4	97	105	68-117	7	
4-Chlorotoluene	ug/L	<1.0	50	50	49.3	52.0	99	104	66-121	5	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121102 1121103

Parameter	Units	70183880004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromochloromethane	ug/L	<1.0	50	50	53.1	53.1	106	106	69-132	0	
Bromodichloromethane	ug/L	<1.0	50	50	48.6	51.6	97	103	71-125	6	
Carbon tetrachloride	ug/L	<1.0	50	50	53.1	56.0	106	112	64-125	5	
Chlorodifluoromethane	ug/L	<1.0	50	50	32.7	34.2	65	68	44-123	4	N3,v3
Chloroethane	ug/L	<1.0	50	50	40.0	41.2	80	82	54-137	3	
Chloroform	ug/L	6.1	50	50	56.2	57.9	100	104	73-128	3	
Chloromethane	ug/L	<1.0	50	50	29.6	31.0	59	62	45-123	4	v3
Chloroprene	ug/L	<1.0	50	50	48.8	51.4	98	103	58-141	5	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	53.9	53.4	108	107	72-129	1	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	48.2	51.1	96	102	57-130	6	
Dibromochloromethane	ug/L	<1.0	50	50	50.1	54.5	100	109	59-132	8	
Dibromomethane	ug/L	<1.0	50	50	48.6	51.8	97	104	69-122	6	
Dichlorodifluoromethane	ug/L	<1.0	50	50	18.1	18.4	36	37	10-131	1	v3
Dichlorofluoromethane	ug/L	<1.0	50	50	47.4	47.6	95	95	57-140	0	N3
Dichlorotetrafluoroethane	ug/L	<1.0	50	50	28.7	29.3	57	59	36-144	2	v3
Methylene Chloride	ug/L	<1.0	50	50	48.4	49.6	97	99	65-129	2	
Pentachloroethane	ug/L	<1.0	50	50	50.0	52.7	100	105	60-140	5	N3
Tetrachloroethene	ug/L	11.0	50	50	58.3	62.3	95	103	59-131	7	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	49.6	50.0	99	100	74-129	1	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	44.8	49.2	90	98	42-140	9	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	44.0	50.3	88	101	10-144	13	
Trichloroethene	ug/L	<1.0	50	50	49.1	52.4	98	105	78-119	6	
Trichlorofluoromethane	ug/L	<1.0	50	50	43.9	45.6	88	91	59-136	4	
Vinyl chloride	ug/L	<1.0	50	50	35.1	36.3	70	73	45-141	3	v3
1,2-Dichloroethane-d4 (S)	%						94	95	70-123		
4-Bromofluorobenzene (S)	%						98	102	66-119		
Toluene-d8 (S)	%						103	103	82-121		

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 8/11
Pace Project No.: 70183880

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70183880001	**MW-1S**	EPA 8260C/5030C	222330		
70183880002	**MW-2S**	EPA 8260C/5030C	222330		
70183880003	**MW-5S**	EPA 8260C/5030C	222330		
70183880004	**MW-8S**	EPA 8260C/5030C	222330		
70183880005	**MW-10S**	EPA 8260C/5030C	222330		
70183880006	**MW-11S**	EPA 8260C/5030C	222330		
70183880007	**BD**	EPA 8260C/5030C	222330		
70183880008	**TRIP BLANK**	EPA 8260C/5030C	222330		

Pace Analytical
www.pacelabs.com

CHAIN-OF

The Chain-of-Custo

WO# : 70183880

70183880

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

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED 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	8/11/21	1200				3				3						X		
2	MW-2S				1030																
3	MW-5S				1230																
4	MW-8S				135																
5	MW-10S				850																
6	MW-11S				930																
7	MS				135																
8	MSD				135																
9	BD				930																
10	Trip Blank	↓	↓	↓	–				↓				↓						↓		
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Request NYSDEC Category B	Joe Osifchok/ENVT	8/11/21	322	ET Fridge	8/11/21	322
Deliverables & EDD	ET Fridge	8/12/21	0830	Cyrstal Bube	8/12/21	0830
	Crystal Bube	8/12/21	0830		8/12/21	0945
		8/12/21	1055		8/12/21	1055

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joseph Osifchok

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8/11/21

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

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

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

Sample Condition Upon Receipt

Pace Analytical®

WO#: 70183880

PM: STS **Due Date: 08/23/21**

CLIENT: ENVIROTRAC

Client Name: Enviro Trak Project #

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

Tracking #:

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

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

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 2.7 Cooler Temperature Corrected(°C): 2.7

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☑ Yes ☐ No N/A

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: PJ 10/12/21 1055

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 (F-LI-C-010) and include with SCUR/COC paperwork.

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

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

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

September 08, 2021

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

RE: Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Dear Mr. Russo:

Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2021. 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 - Minneapolis

This report was revised on September 2, 2021, to include THC and Total Xylenes.

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

Sincerely,

Sophia Sparkes

Sophia Sparkes
sophia.sparkes@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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

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

CERTIFICATIONS

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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

SAMPLE ANALYTE COUNT

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70184497001	**SVE EFFLUENT**	TO-15	AJA, HMH	63	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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

PROJECT NARRATIVE

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Method: **TO-15**
Description: TO15 MSV AIR
Client: EnviroTrac Ltd.
Date: September 08, 2021

General Information:
1 sample was analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

Internal Standards:
All internal standards 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.

QC Batch: 766079

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4082618)
  - Ethanol
  - THC as Gas

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 766079

R1: RPD value was outside control limits.

- DUP (Lab ID: 4084938)
  - Acetone
  - Tetrahydrofuran
  - n-Hexane
- DUP (Lab ID: 4086035)
  - Acetone
  - Tetrahydrofuran

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Method: **TO-15**
Description: TO15 MSV AIR
Client: EnviroTrac Ltd.
Date: September 08, 2021

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

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

ANALYTICAL RESULTS

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Sample: SVE EFFLUENT **Lab ID: 70184497001** Collected: 08/18/21 11:30 Received: 08/18/21 13:35 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	**29.3**	ug/m3	8.1	1.34		08/25/21 17:57	67-64-1	
Benzene	**<0.44**	ug/m3	0.44	1.34		08/25/21 17:57	71-43-2	
Benzyl chloride	**<3.5**	ug/m3	3.5	1.34		08/25/21 17:57	100-44-7	
Bromodichloromethane	**3.2**	ug/m3	1.8	1.34		08/25/21 17:57	75-27-4	
Bromoform	**<7.0**	ug/m3	7.0	1.34		08/25/21 17:57	75-25-2	
Bromomethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	74-83-9	
1,3-Butadiene	**<0.60**	ug/m3	0.60	1.34		08/25/21 17:57	106-99-0	
2-Butanone (MEK)	**<4.0**	ug/m3	4.0	1.34		08/25/21 17:57	78-93-3	
Carbon disulfide	**<0.85**	ug/m3	0.85	1.34		08/25/21 17:57	75-15-0	
Carbon tetrachloride	**<1.7**	ug/m3	1.7	1.34		08/25/21 17:57	56-23-5	
Chlorobenzene	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	108-90-7	
Chloroethane	**<0.72**	ug/m3	0.72	1.34		08/25/21 17:57	75-00-3	
Chloroform	**68.5**	ug/m3	0.66	1.34		08/25/21 17:57	67-66-3	
Chloromethane	**<0.56**	ug/m3	0.56	1.34		08/25/21 17:57	74-87-3	
Cyclohexane	**<2.3**	ug/m3	2.3	1.34		08/25/21 17:57	110-82-7	
Dibromochloromethane	**<2.3**	ug/m3	2.3	1.34		08/25/21 17:57	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/m3	1.0	1.34		08/25/21 17:57	106-93-4	
1,2-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	95-50-1	
1,3-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	541-73-1	
1,4-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	106-46-7	
Dichlorodifluoromethane	**<1.4**	ug/m3	1.4	1.34		08/25/21 17:57	75-71-8	
1,1-Dichloroethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	75-34-3	
1,2-Dichloroethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	107-06-2	
1,1-Dichloroethene	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	75-35-4	
cis-1,2-Dichloroethene	**48.3**	ug/m3	1.1	1.34		08/25/21 17:57	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	156-60-5	
1,2-Dichloropropane	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	78-87-5	
cis-1,3-Dichloropropene	**<3.1**	ug/m3	3.1	1.34		08/25/21 17:57	10061-01-5	
trans-1,3-Dichloropropene	**<3.1**	ug/m3	3.1	1.34		08/25/21 17:57	10061-02-6	
Dichlorotetrafluoroethane	**<1.9**	ug/m3	1.9	1.34		08/25/21 17:57	76-14-2	
Ethanol	**4.4**	ug/m3	2.6	1.34		08/25/21 17:57	64-17-5	L1
Ethyl acetate	**<0.98**	ug/m3	0.98	1.34		08/25/21 17:57	141-78-6	
Ethylbenzene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	100-41-4	
4-Ethyltoluene	**<3.4**	ug/m3	3.4	1.34		08/25/21 17:57	622-96-8	
n-Heptane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	142-82-5	
Hexachloro-1,3-butadiene	**<7.3**	ug/m3	7.3	1.34		08/25/21 17:57	87-68-3	
n-Hexane	**<0.96**	ug/m3	0.96	1.34		08/25/21 17:57	110-54-3	
2-Hexanone	**<5.6**	ug/m3	5.6	1.34		08/25/21 17:57	591-78-6	
Methylene Chloride	**<4.7**	ug/m3	4.7	1.34		08/25/21 17:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.6**	ug/m3	5.6	1.34		08/25/21 17:57	108-10-1	
Methyl-tert-butyl ether	**<4.9**	ug/m3	4.9	1.34		08/25/21 17:57	1634-04-4	
Naphthalene	**<3.6**	ug/m3	3.6	1.34		08/25/21 17:57	91-20-3	
2-Propanol	**<3.4**	ug/m3	3.4	1.34		08/25/21 17:57	67-63-0	
Propylene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	115-07-1	
Styrene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/m3	1.9	1.34		08/25/21 17:57	79-34-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Sample: SVE EFFLUENT **Lab ID: 70184497001** Collected: 08/18/21 11:30 Received: 08/18/21 13:35 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Tetrachloroethene	**1020**	ug/m3	9.2	13.4		08/27/21 23:14	127-18-4	
Tetrahydrofuran	**4.8**	ug/m3	0.80	1.34		08/25/21 17:57	109-99-9	
THC as Gas	**822**	ug/m3	283	1.34		08/25/21 17:57		L1
Toluene	**3.5**	ug/m3	1.0	1.34		08/25/21 17:57	108-88-3	
1,2,4-Trichlorobenzene	**<10.1**	ug/m3	10.1	1.34		08/25/21 17:57	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/m3	1.5	1.34		08/25/21 17:57	71-55-6	
1,1,2-Trichloroethane	**<0.74**	ug/m3	0.74	1.34		08/25/21 17:57	79-00-5	
Trichloroethene	**48.6**	ug/m3	0.73	1.34		08/25/21 17:57	79-01-6	
Trichlorofluoromethane	**8.3**	ug/m3	1.5	1.34		08/25/21 17:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<2.1**	ug/m3	2.1	1.34		08/25/21 17:57	76-13-1	
1,2,4-Trimethylbenzene	**1.8**	ug/m3	1.3	1.34		08/25/21 17:57	95-63-6	
1,3,5-Trimethylbenzene	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	108-67-8	
Vinyl acetate	**<0.96**	ug/m3	0.96	1.34		08/25/21 17:57	108-05-4	
Vinyl chloride	**<0.35**	ug/m3	0.35	1.34		08/25/21 17:57	75-01-4	
Xylene (Total)	**<3.6**	ug/m3	3.6	1.34		08/25/21 17:57	1330-20-7	
m&p-Xylene	**2.6**	ug/m3	2.4	1.34		08/25/21 17:57	179601-23-1	
o-Xylene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

QC Batch: 766079
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70184497001

METHOD BLANK: 4082617 Matrix: Air
Associated Lab Samples: 70184497001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.56	0.56	08/25/21 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	<0.70	0.70	08/25/21 14:49	
1,1,2-Trichloroethane	ug/m3	<0.28	0.28	08/25/21 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.78	0.78	08/25/21 14:49	
1,1-Dichloroethane	ug/m3	<0.41	0.41	08/25/21 14:49	
1,1-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
1,2,4-Trichlorobenzene	ug/m3	<3.8	3.8	08/25/21 14:49	
1,2,4-Trimethylbenzene	ug/m3	<0.50	0.50	08/25/21 14:49	
1,2-Dibromoethane (EDB)	ug/m3	<0.39	0.39	08/25/21 14:49	
1,2-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
1,2-Dichloroethane	ug/m3	<0.41	0.41	08/25/21 14:49	
1,2-Dichloropropane	ug/m3	<0.47	0.47	08/25/21 14:49	
1,3,5-Trimethylbenzene	ug/m3	<0.50	0.50	08/25/21 14:49	
1,3-Butadiene	ug/m3	<0.22	0.22	08/25/21 14:49	
1,3-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
1,4-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
2-Butanone (MEK)	ug/m3	<1.5	1.5	08/25/21 14:49	
2-Hexanone	ug/m3	<2.1	2.1	08/25/21 14:49	
2-Propanol	ug/m3	<1.2	1.2	08/25/21 14:49	
4-Ethyltoluene	ug/m3	<1.2	1.2	08/25/21 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	<2.1	2.1	08/25/21 14:49	
Acetone	ug/m3	<3.0	3.0	08/25/21 14:49	
Benzene	ug/m3	<0.16	0.16	08/25/21 14:49	
Benzyl chloride	ug/m3	<1.3	1.3	08/25/21 14:49	
Bromodichloromethane	ug/m3	<0.68	0.68	08/25/21 14:49	
Bromoform	ug/m3	<2.6	2.6	08/25/21 14:49	
Bromomethane	ug/m3	<0.39	0.39	08/25/21 14:49	
Carbon disulfide	ug/m3	<0.32	0.32	08/25/21 14:49	
Carbon tetrachloride	ug/m3	<0.64	0.64	08/25/21 14:49	
Chlorobenzene	ug/m3	<0.47	0.47	08/25/21 14:49	
Chloroethane	ug/m3	<0.27	0.27	08/25/21 14:49	
Chloroform	ug/m3	<0.25	0.25	08/25/21 14:49	
Chloromethane	ug/m3	<0.21	0.21	08/25/21 14:49	
cis-1,2-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
cis-1,3-Dichloropropene	ug/m3	<1.2	1.2	08/25/21 14:49	
Cyclohexane	ug/m3	<0.88	0.88	08/25/21 14:49	
Dibromochloromethane	ug/m3	<0.86	0.86	08/25/21 14:49	
Dichlorodifluoromethane	ug/m3	<0.50	0.50	08/25/21 14:49	
Dichlorotetrafluoroethane	ug/m3	<0.71	0.71	08/25/21 14:49	
Ethanol	ug/m3	<0.96	0.96	08/25/21 14:49	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

METHOD BLANK: 4082617 Matrix: Air
Associated Lab Samples: 70184497001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.37	0.37	08/25/21 14:49	
Ethylbenzene	ug/m3	<0.44	0.44	08/25/21 14:49	
Hexachloro-1,3-butadiene	ug/m3	<2.7	2.7	08/25/21 14:49	
m&p-Xylene	ug/m3	<0.88	0.88	08/25/21 14:49	
Methyl-tert-butyl ether	ug/m3	<1.8	1.8	08/25/21 14:49	
Methylene Chloride	ug/m3	<1.8	1.8	08/25/21 14:49	
n-Heptane	ug/m3	<0.42	0.42	08/25/21 14:49	
n-Hexane	ug/m3	<0.36	0.36	08/25/21 14:49	
Naphthalene	ug/m3	<1.3	1.3	08/25/21 14:49	
o-Xylene	ug/m3	<0.44	0.44	08/25/21 14:49	
Propylene	ug/m3	<0.44	0.44	08/25/21 14:49	
Styrene	ug/m3	<0.43	0.43	08/25/21 14:49	
Tetrachloroethene	ug/m3	<0.34	0.34	08/25/21 14:49	
Tetrahydrofuran	ug/m3	<0.30	0.30	08/25/21 14:49	
THC as Gas	ug/m3	<106	106	08/25/21 14:49	
Toluene	ug/m3	<0.38	0.38	08/25/21 14:49	
trans-1,2-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
trans-1,3-Dichloropropene	ug/m3	<1.2	1.2	08/25/21 14:49	
Trichloroethene	ug/m3	<0.27	0.27	08/25/21 14:49	
Trichlorofluoromethane	ug/m3	<0.57	0.57	08/25/21 14:49	
Vinyl acetate	ug/m3	<0.36	0.36	08/25/21 14:49	
Vinyl chloride	ug/m3	<0.13	0.13	08/25/21 14:49	
Xylene (Total)	ug/m3	<1.3	1.3	08/25/21 14:49	

LABORATORY CONTROL SAMPLE: 4082618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.2	62.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.5	87.8	121	70-132	
1,1,2-Trichloroethane	ug/m3	56.3	66.8	119	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	84.7	109	70-130	
1,1-Dichloroethane	ug/m3	42.1	44.2	105	70-133	
1,1-Dichloroethene	ug/m3	41.5	44.3	107	70-130	
1,2,4-Trichlorobenzene	ug/m3	82	101	123	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.9	65.1	125	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.4	93.4	116	70-138	
1,2-Dichlorobenzene	ug/m3	66	83.7	127	70-146	
1,2-Dichloroethane	ug/m3	42.1	46.5	110	70-132	
1,2-Dichloropropane	ug/m3	47.1	52.4	111	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.4	62.6	122	70-143	
1,3-Butadiene	ug/m3	23	23.0	100	70-136	
1,3-Dichlorobenzene	ug/m3	63	85.0	135	70-145	
1,4-Dichlorobenzene	ug/m3	65.5	90.5	138	70-140	
2-Butanone (MEK)	ug/m3	32.4	35.2	109	50-139	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

LABORATORY CONTROL SAMPLE: 4082618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/m3	41.4	49.9	120	70-148	
2-Propanol	ug/m3	27.4	34.1	124	67-135	
4-Ethyltoluene	ug/m3	51.7	65.2	126	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.4	47.7	113	70-139	
Acetone	ug/m3	24.6	27.4	111	64-130	
Benzene	ug/m3	32.9	35.1	107	70-131	
Benzyl chloride	ug/m3	57.3	50.5	88	70-130	
Bromodichloromethane	ug/m3	69.7	78.8	113	70-133	
Bromoform	ug/m3	110	132	120	70-137	
Bromomethane	ug/m3	39.9	41.6	104	64-134	
Carbon disulfide	ug/m3	33.4	35.3	106	70-131	
Carbon tetrachloride	ug/m3	65	73.6	113	70-131	
Chlorobenzene	ug/m3	48.3	54.6	113	70-130	
Chloroethane	ug/m3	26.9	29.1	108	69-141	
Chloroform	ug/m3	48.5	52.7	109	70-130	
Chloromethane	ug/m3	21.1	21.2	100	70-130	
cis-1,2-Dichloroethene	ug/m3	41	43.9	107	70-137	
cis-1,3-Dichloropropene	ug/m3	46.9	56.5	120	70-144	
Cyclohexane	ug/m3	35.2	38.1	108	70-137	
Dibromochloromethane	ug/m3	87.3	99.4	114	70-132	
Dichlorodifluoromethane	ug/m3	51.3	55.1	107	70-130	
Dichlorotetrafluoroethane	ug/m3	65.1	70.2	108	70-130	
Ethanol	ug/m3	19.2	26.0	136	63-133	L1
Ethyl acetate	ug/m3	35.9	38.6	108	70-136	
Ethylbenzene	ug/m3	45.6	53.4	117	70-142	
Hexachloro-1,3-butadiene	ug/m3	117	158	135	70-135	
m&p-Xylene	ug/m3	45.9	51.4	112	70-141	
Methyl-tert-butyl ether	ug/m3	36.9	40.6	110	70-143	
Methylene Chloride	ug/m3	37.8	49.1	130	70-130	
n-Heptane	ug/m3	41.7	44.1	106	70-137	
n-Hexane	ug/m3	35.1	36.5	104	70-135	
Naphthalene	ug/m3	58.1	70.4	121	67-132	
o-Xylene	ug/m3	46	50.4	110	70-141	
Propylene	ug/m3	17.9	19.2	107	70-130	
Styrene	ug/m3	45.3	58.8	130	70-142	
Tetrachloroethene	ug/m3	69.9	79.7	114	70-130	
Tetrahydrofuran	ug/m3	30.1	32.3	107	70-136	
THC as Gas	ug/m3	4020	5450	136	70-130	L1
Toluene	ug/m3	39.4	44.5	113	70-138	
trans-1,2-Dichloroethene	ug/m3	40.8	43.4	106	70-130	
trans-1,3-Dichloropropene	ug/m3	48.2	58.1	120	70-145	
Trichloroethene	ug/m3	55.7	62.2	112	70-130	
Trichlorofluoromethane	ug/m3	56.5	61.1	108	69-135	
Vinyl acetate	ug/m3	38.1	41.5	109	70-146	
Vinyl chloride	ug/m3	26.6	27.8	105	70-137	
Xylene (Total)	ug/m3	91.9	102	111	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

SAMPLE DUPLICATE: 4084938

Parameter	Units	10575795002 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.28	<1.7		
1,1,2,2-Tetrachloroethane	ug/m3	<0.55	<2.1		
1,1,2-Trichloroethane	ug/m3	<0.29	<0.83		
1,1,2-Trichlorotrifluoroethane	ug/m3	1.8J	<2.3		
1,1-Dichloroethane	ug/m3	<0.25	<1.2		
1,1-Dichloroethene	ug/m3	0.25J	<1.2		
1,2,4-Trichlorobenzene	ug/m3	<7.3	<11.2		
1,2,4-Trimethylbenzene	ug/m3	4.8	4.8	0	
1,2-Dibromoethane (EDB)	ug/m3	<0.45	<1.2		
1,2-Dichlorobenzene	ug/m3	<0.60	<4.6		
1,2-Dichloroethane	ug/m3	<0.29	<1.2		
1,2-Dichloropropane	ug/m3	<0.40	<1.4		
1,3,5-Trimethylbenzene	ug/m3	1.5J	<1.5		
1,3-Butadiene	ug/m3	<0.18	<0.67		
1,3-Dichlorobenzene	ug/m3	<0.76	<4.6		
1,4-Dichlorobenzene	ug/m3	<1.3	<4.6		
2-Butanone (MEK)	ug/m3	5.2	5.1	1	
2-Hexanone	ug/m3	<0.66	<6.2		
2-Propanol	ug/m3	11.9	11.3	5	
4-Ethyltoluene	ug/m3	1.7J	<3.7		
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.48	<6.2		
Acetone	ug/m3	18.7	28.3	41	R1
Benzene	ug/m3	0.92	0.92	0	
Benzyl chloride	ug/m3	<1.3	<3.9		
Bromodichloromethane	ug/m3	<0.35	<2.0		
Bromoform	ug/m3	<2.4	<7.8		
Bromomethane	ug/m3	<0.22	<1.2		
Carbon disulfide	ug/m3	<0.19	<0.94		
Carbon tetrachloride	ug/m3	<0.42	<1.9		
Chlorobenzene	ug/m3	<0.23	<1.4		
Chloroethane	ug/m3	<0.33	<0.80		
Chloroform	ug/m3	0.50J	<0.74		
Chloromethane	ug/m3	1.9	2.0	4	
cis-1,2-Dichloroethene	ug/m3	0.91J	<1.2		
cis-1,3-Dichloropropene	ug/m3	<0.38	<3.4		
Cyclohexane	ug/m3	1.1J	<2.6		
Dibromochloromethane	ug/m3	<0.77	<2.6		
Dichlorodifluoromethane	ug/m3	3.5	<1.5		
Dichlorotetrafluoroethane	ug/m3	<0.30	<2.1		
Ethanol	ug/m3	87.0	83.5	4	L1
Ethyl acetate	ug/m3	1.3	1.3	4	
Ethylbenzene	ug/m3	1.3	1.3	1	
Hexachloro-1,3-butadiene	ug/m3	<1.8	<8.1		
m&p-Xylene	ug/m3	3.6	3.6	1	
Methyl-tert-butyl ether	ug/m3	<0.19	<5.5		
Methylene Chloride	ug/m3	<0.88	<5.3		
n-Heptane	ug/m3	1.5	1.5	2	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

SAMPLE DUPLICATE: 4084938

Parameter	Units	10575795002 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	1.5	2.1	29	R1
Naphthalene	ug/m3	<3.2	<4.0		
o-Xylene	ug/m3	1.6	1.6	2	
Propylene	ug/m3	<0.19	<1.3		
Styrene	ug/m3	<0.57	<1.3		
Tetrachloroethene	ug/m3	1990	2020	1	
Tetrahydrofuran	ug/m3	1.5	2.0	30	R1
THC as Gas	ug/m3	1660	1680	1	L1
Toluene	ug/m3	6.9	6.9	0	
trans-1,2-Dichloroethene	ug/m3	<0.25	<1.2		
trans-1,3-Dichloropropene	ug/m3	<0.81	<3.4		
Trichloroethene	ug/m3	4.6	4.6	1	
Trichlorofluoromethane	ug/m3	1.8	1.8	4	
Vinyl acetate	ug/m3	<0.31	<1.1		
Vinyl chloride	ug/m3	<0.13	<0.39		
Xylene (Total)	ug/m3	5.2	5.1	1	

SAMPLE DUPLICATE: 4086035

Parameter	Units	70184497001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.5	<1.5		
1,1,2,2-Tetrachloroethane	ug/m3	<1.9	<1.9		
1,1,2-Trichloroethane	ug/m3	<0.74	<0.74		
1,1,2-Trichlorotrifluoroethane	ug/m3	<2.1	<2.1		
1,1-Dichloroethane	ug/m3	<1.1	<1.1		
1,1-Dichloroethene	ug/m3	<1.1	<1.1		
1,2,4-Trichlorobenzene	ug/m3	<10.1	<10.1		
1,2,4-Trimethylbenzene	ug/m3	1.8	1.7	8	
1,2-Dibromoethane (EDB)	ug/m3	<1.0	<1.0		
1,2-Dichlorobenzene	ug/m3	<4.1	<4.1		
1,2-Dichloroethane	ug/m3	<1.1	<1.1		
1,2-Dichloropropane	ug/m3	<1.3	<1.3		
1,3,5-Trimethylbenzene	ug/m3	<1.3	<1.3		
1,3-Butadiene	ug/m3	<0.60	<0.60		
1,3-Dichlorobenzene	ug/m3	<4.1	<4.1		
1,4-Dichlorobenzene	ug/m3	<4.1	<4.1		
2-Butanone (MEK)	ug/m3	<4.0	<4.0		
2-Hexanone	ug/m3	<5.6	<5.6		
2-Propanol	ug/m3	<3.4	<3.4		
4-Ethyltoluene	ug/m3	<3.4	<3.4		
4-Methyl-2-pentanone (MIBK)	ug/m3	<5.6	<5.6		
Acetone	ug/m3	29.3	18.6	45	R1
Benzene	ug/m3	<0.44	<0.44		
Benzyl chloride	ug/m3	<3.5	<3.5		
Bromodichloromethane	ug/m3	3.2	2.7	17	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

SAMPLE DUPLICATE: 4086035

Parameter	Units	70184497001 Result	Dup Result	RPD	Qualifiers
Bromoform	ug/m3	<7.0	<7.0		
Bromomethane	ug/m3	<1.1	<1.1		
Carbon disulfide	ug/m3	<0.85	<0.85		
Carbon tetrachloride	ug/m3	<1.7	<1.7		
Chlorobenzene	ug/m3	<1.3	<1.3		
Chloroethane	ug/m3	<0.72	<0.72		
Chloroform	ug/m3	68.5	62.5	9	
Chloromethane	ug/m3	<0.56	<0.56		
cis-1,2-Dichloroethene	ug/m3	48.3	47.9	1	
cis-1,3-Dichloropropene	ug/m3	<3.1	<3.1		
Cyclohexane	ug/m3	<2.3	<2.3		
Dibromochloromethane	ug/m3	<2.3	<2.3		
Dichlorodifluoromethane	ug/m3	<1.4	<1.4		
Dichlorotetrafluoroethane	ug/m3	<1.9	<1.9		
Ethanol	ug/m3	4.4	<2.6		
Ethyl acetate	ug/m3	<0.98	<0.98		
Ethylbenzene	ug/m3	<1.2	<1.2		
Hexachloro-1,3-butadiene	ug/m3	<7.3	<7.3		
m&p-Xylene	ug/m3	2.6	2.6	1	
Methyl-tert-butyl ether	ug/m3	<4.9	<4.9		
Methylene Chloride	ug/m3	<4.7	<4.7		
n-Heptane	ug/m3	<1.1	<1.1		
n-Hexane	ug/m3	<0.96	<0.96		
Naphthalene	ug/m3	<3.6	<3.6		
o-Xylene	ug/m3	<1.2	<1.2		
Propylene	ug/m3	<1.2	<1.2		
Styrene	ug/m3	<1.2	<1.2		
Tetrachloroethene	ug/m3	1020	1010	0	
Tetrahydrofuran	ug/m3	4.8	3.6	30	R1
THC as Gas	ug/m3	822	931	12	L1
Toluene	ug/m3	3.5	2.9	19	
trans-1,2-Dichloroethene	ug/m3	<1.1	<1.1		
trans-1,3-Dichloropropene	ug/m3	<3.1	<3.1		
Trichloroethene	ug/m3	48.6	45.4	7	
Trichlorofluoromethane	ug/m3	8.3	7.0	17	
Vinyl acetate	ug/m3	<0.96	<0.96		
Vinyl chloride	ug/m3	<0.35	<0.35		
Xylene (Total)	ug/m3	<3.6	<3.6		

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

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

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVE 8/18
Pace Project No.: 70184497

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70184497001	**SVE EFFLUENT**	TO-15	766079		

WO# : 70184497

70184497

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

51169

Page: 1 of 1

Section A
Required Client Information:

Company: Envirotrac Ltd
Address:
Email To: joseph josifchak@envirotrac.com
Phone: 610-955-6004 Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Tracy Wall
Copy To:
Purchase Order No.:
Project Name: Sutter Ave.
Project Number:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 38414

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other____

Location of Sampling by State ________

Reporting Units: ug/m³___ mg/m³___ PPBV___ PPMV___ Other___

Report Level II.___ III.___ IV.___ Other____

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	SVE Effluent			8/18	1130					3408							X				
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[illegible signature]	8/18	1:35	[illegible signature] Pace	8/18/[illegible]	1335	30.6	Y/N (Y circled)	Y/N (Y circled)	Y/N (Y circled)
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

FC046Rev.01, 03Feb2010

Pace Analytical™

Media Order # 1047134

Sent to Can Room 08/10/21 03:53 PM JMR
Report Printed 8/10/2021 05:15 PM

Ordered By:	Ship To:	Return To:
Contact: Sophia Sparkes	**Contact:** Tracy Wall	**Contact:** Sample Receiving
Company: Pace Long Island- Melville	**Company:** EnviroTrac Ltd	**Lab Name:** PACE - MN
Address: 575 Broad Hollow Rd	**Address:** 5 Old Dock Road	**Address:** 1800 Elm Street
City, St, ZIP: Melville,, NY, 11747	**City, St, ZIP:** Yaphank, NY, 11980	**City, St, ZIP:** Minneapolis, MN, 55414
Phone: 516 370-3047	**Phone:** 631 924-3001	**Phone:** 612-607-1700

Initiator: Joanne Richardson **PM:** Joanne Richardson **Profile Number:** 38414
Proj. Description: 1199 Sutter Avenue, B **Quote Number:** **Shipping Method:** FedEx
Required By: 8/16/2021 **Expected Return Date:** 8/27/2021 **Tracking #:**

Return Shipping Labels	***CoC's***	***Bottle Labels***	***Bottles***
[X] No Shipper Number	[X] Blank # 1	[ ] Blank	[ ] Boxed Cases
[ ] With Shipper Number	[ ] Preprinted	[ ] Pre-Printed - With Sample IDs	[ ] Individually Wrapped
		[ ] Pre-Printed - No Sample IDs	[ ] Grouped By Sample ID/Matrix

Miscellaneous

[ ] Sampling Instructions	[ ] Coolers	[ ] Short Hold/Rush Stickers	[ ] Trip Blank
[ ] Custody Seal	[ ] Extra Bubble Wrap	[ ] DI Water	
[ ] Temperature Blanks	[ ] 10 mL Cut-Off Syringes		

Notes:

Qty	Method	Media Specification	Certification Level	Notes
1	TO-15	6 L Canister	Low Level (0.1 - 0.2 ppbv)	
1	Canister Attachments	Flow Controller with Gauge (specify setting)	Low Level (0.1 - 0.2 ppbv)	8 hour
1	Other Misc.	Fitting/Ferrule/Tubing/Filter		

Hazard Shipping Placard In Place:

*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with you project manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to insure proper billing

8.11.21

AIR CANISTERS: CANISTER USE POLICY

Pace Analytical summa canisters are provided for analyses to be performed by Pace Analytical Services only and must be returned to the Pace Air Lab for analysis. Provision of canisters for sample collection assumes that each canister will be used. Pace incurs significant costs in providing canisters that must be recouped, if the canisters are not used. As an example, all canisters that are returned to Pace must be re-cleaned and re-certified. Minimum charges are assessed for canisters that are returned unused or for canisters that are returned used and marked for no analysis:

Rental and certification charge per canister	$50
Cleaning fee per canister	$35
Additional fee for individual certification of canister	$50
Additional fee for ultra-low level canister $50	$100

Pace Analytical will provide canister shipment by 2nd day ground shipping when available. Overnight shipment is available upon request; however, the client will be charged the additional shipping costs. Shipping charges for similar delivery back to Pace Analytical will be the responsibility of the client. Canisters should be treated as just-in-time inventory, IE scheduled to arrive the day before sampling and returned to the lab immediately upon completion of sampling. If the scheduled sampling date is changed and it will impact the scheduled return to the lab, the lab must be notified.

CANISTER USAGE AND TERMS

1. The client's responsibility includes any damage to the canisters due to misuse, neglect, loss or accident. Pace will provide canisters that are in good condition, evacuated and certified clean. The client is responsible for proper use and handling of the canisters and associated equipment and should return them to Pace in good condition. The client will be charged for any repairs or replacements that may be necessary. Charges will include parts and labor.

2. Any canisters received by the client that are damaged should not be used. The canister return should be accompanied with an explanation of the damage and how it was discovered. Pace will provide additional canisters to replace those damaged in shipment.

3. The surface of the canister is not to be defaced. Use of ink markers, adhesive labels or tape is prohibited. Each canister is provided with a bar-coded serial number, which should be used, for sample identification. Each canister also has a label attached to the handle, which also can be used. Cleaning of the canister surface will carry a surcharge of twenty-five dollars per cleaning ($25/cleaning).

4. Pace EZ cans are preassembled. Do not disassemble any fittings that are provided with the canisters or associated sampling equipment. Disassembly may adversely affect the integrity of the sampling system and result in repair charges cited above.

5. Canisters are for sampling volatile organic compounds in air only. Any other uses are prohibited. Reactive compounds such as sulfur compounds and acid gases will damage the interior of the can. Particulate and similar contaminates hinder reliable cleaning of the canister. These and similar occurrences destroy the integrity of the canister. The client will be assessed the full replacement cost of canisters damaged in this way.

6. Client assumes full responsibility for each canister and associated sampling equipment at the time of delivery to the designated address. Responsibility continues with the client until the canisters are delivered to Sample Receiving at Pace Analytical Services' Minnesota Laboratory. Damages and other charges, if necessary, will be assessed and included on the analytical invoice.

Pace Analytical® Air Laboratory

Air Laboratory
1700 Elm Street SE
Minneapolis, MN 55414
P: 612.607.6386

Questions? Call the Air Technical Hotline at 612.607.6386

Sample Condition Upon Receipt

Pace Analytical®

WO#: 70184497
PM: STS Due Date: 09/01/21
CLIENT: ENVIROTRAC

Client Name: Envirotrac Project #

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

Tracking #:

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

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

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 30.6 Cooler Temperature Corrected(°C): 30.6

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: Wet Blue (None)

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: MN 5/18/21

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 (F-LI-C-010) and include with SCUR/COC paperwork.

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

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

September 02, 2021

Sophia Sparkes
Pace Analytical Services
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Dear Sophia Sparkes:

Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2021. 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 - Minneapolis

This report was revised on September 2, 2021, to include THC and Total Xylenes.

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

Sincerely,

Joanne Richardson

Joanne M Richardson
joanne.richardson@pacelabs.com
1(612)607-6453
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70184497001	**SVE EFFLUENT**	Air	08/18/21 11:30	08/23/21 09:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70184497001	**SVE EFFLUENT**	TO-15	AJA, HMH	63	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Method: **TO-15**
Description: TO15 MSV AIR
Client: PASI Long Island- Melville
Date: September 02, 2021

General Information:
1 sample was analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

Internal Standards:
All internal standards 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.

QC Batch: 766079

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4082618)
  - Ethanol
  - THC as Gas

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 766079

R1: RPD value was outside control limits.

- DUP (Lab ID: 4084938)
  - Acetone
  - Tetrahydrofuran
  - n-Hexane
- DUP (Lab ID: 4086035)
  - Acetone
  - Tetrahydrofuran

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Method: **TO-15**
Description: TO15 MSV AIR
Client: PASI Long Island- Melville
Date: September 02, 2021

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Sample: SVE EFFLUENT **Lab ID: 70184497001** Collected: 08/18/21 11:30 Received: 08/23/21 09:50 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	**29.3**	ug/m3	8.1	1.34		08/25/21 17:57	67-64-1	
Benzene	**<0.44**	ug/m3	0.44	1.34		08/25/21 17:57	71-43-2	
Benzyl chloride	**<3.5**	ug/m3	3.5	1.34		08/25/21 17:57	100-44-7	
Bromodichloromethane	**3.2**	ug/m3	1.8	1.34		08/25/21 17:57	75-27-4	
Bromoform	**<7.0**	ug/m3	7.0	1.34		08/25/21 17:57	75-25-2	
Bromomethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	74-83-9	
1,3-Butadiene	**<0.60**	ug/m3	0.60	1.34		08/25/21 17:57	106-99-0	
2-Butanone (MEK)	**<4.0**	ug/m3	4.0	1.34		08/25/21 17:57	78-93-3	
Carbon disulfide	**<0.85**	ug/m3	0.85	1.34		08/25/21 17:57	75-15-0	
Carbon tetrachloride	**<1.7**	ug/m3	1.7	1.34		08/25/21 17:57	56-23-5	
Chlorobenzene	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	108-90-7	
Chloroethane	**<0.72**	ug/m3	0.72	1.34		08/25/21 17:57	75-00-3	
Chloroform	**68.5**	ug/m3	0.66	1.34		08/25/21 17:57	67-66-3	
Chloromethane	**<0.56**	ug/m3	0.56	1.34		08/25/21 17:57	74-87-3	
Cyclohexane	**<2.3**	ug/m3	2.3	1.34		08/25/21 17:57	110-82-7	
Dibromochloromethane	**<2.3**	ug/m3	2.3	1.34		08/25/21 17:57	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/m3	1.0	1.34		08/25/21 17:57	106-93-4	
1,2-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	95-50-1	
1,3-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	541-73-1	
1,4-Dichlorobenzene	**<4.1**	ug/m3	4.1	1.34		08/25/21 17:57	106-46-7	
Dichlorodifluoromethane	**<1.4**	ug/m3	1.4	1.34		08/25/21 17:57	75-71-8	
1,1-Dichloroethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	75-34-3	
1,2-Dichloroethane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	107-06-2	
1,1-Dichloroethene	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	75-35-4	
cis-1,2-Dichloroethene	**48.3**	ug/m3	1.1	1.34		08/25/21 17:57	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	156-60-5	
1,2-Dichloropropane	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	78-87-5	
cis-1,3-Dichloropropene	**<3.1**	ug/m3	3.1	1.34		08/25/21 17:57	10061-01-5	
trans-1,3-Dichloropropene	**<3.1**	ug/m3	3.1	1.34		08/25/21 17:57	10061-02-6	
Dichlorotetrafluoroethane	**<1.9**	ug/m3	1.9	1.34		08/25/21 17:57	76-14-2	
Ethanol	**4.4**	ug/m3	2.6	1.34		08/25/21 17:57	64-17-5	L1
Ethyl acetate	**<0.98**	ug/m3	0.98	1.34		08/25/21 17:57	141-78-6	
Ethylbenzene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	100-41-4	
4-Ethyltoluene	**<3.4**	ug/m3	3.4	1.34		08/25/21 17:57	622-96-8	
n-Heptane	**<1.1**	ug/m3	1.1	1.34		08/25/21 17:57	142-82-5	
Hexachloro-1,3-butadiene	**<7.3**	ug/m3	7.3	1.34		08/25/21 17:57	87-68-3	
n-Hexane	**<0.96**	ug/m3	0.96	1.34		08/25/21 17:57	110-54-3	
2-Hexanone	**<5.6**	ug/m3	5.6	1.34		08/25/21 17:57	591-78-6	
Methylene Chloride	**<4.7**	ug/m3	4.7	1.34		08/25/21 17:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.6**	ug/m3	5.6	1.34		08/25/21 17:57	108-10-1	
Methyl-tert-butyl ether	**<4.9**	ug/m3	4.9	1.34		08/25/21 17:57	1634-04-4	
Naphthalene	**<3.6**	ug/m3	3.6	1.34		08/25/21 17:57	91-20-3	
2-Propanol	**<3.4**	ug/m3	3.4	1.34		08/25/21 17:57	67-63-0	
Propylene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	115-07-1	
Styrene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/m3	1.9	1.34		08/25/21 17:57	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Sample: SVE EFFLUENT **Lab ID: 70184497001** Collected: 08/18/21 11:30 Received: 08/23/21 09:50 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Tetrachloroethene	**1020**	ug/m3	9.2	13.4		08/27/21 23:14	127-18-4	
Tetrahydrofuran	**4.8**	ug/m3	0.80	1.34		08/25/21 17:57	109-99-9	
THC as Gas	**822**	ug/m3	283	1.34		08/25/21 17:57		L1
Toluene	**3.5**	ug/m3	1.0	1.34		08/25/21 17:57	108-88-3	
1,2,4-Trichlorobenzene	**<10.1**	ug/m3	10.1	1.34		08/25/21 17:57	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/m3	1.5	1.34		08/25/21 17:57	71-55-6	
1,1,2-Trichloroethane	**<0.74**	ug/m3	0.74	1.34		08/25/21 17:57	79-00-5	
Trichloroethene	**48.6**	ug/m3	0.73	1.34		08/25/21 17:57	79-01-6	
Trichlorofluoromethane	**8.3**	ug/m3	1.5	1.34		08/25/21 17:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<2.1**	ug/m3	2.1	1.34		08/25/21 17:57	76-13-1	
1,2,4-Trimethylbenzene	**1.8**	ug/m3	1.3	1.34		08/25/21 17:57	95-63-6	
1,3,5-Trimethylbenzene	**<1.3**	ug/m3	1.3	1.34		08/25/21 17:57	108-67-8	
Vinyl acetate	**<0.96**	ug/m3	0.96	1.34		08/25/21 17:57	108-05-4	
Vinyl chloride	**<0.35**	ug/m3	0.35	1.34		08/25/21 17:57	75-01-4	
Xylene (Total)	**<3.6**	ug/m3	3.6	1.34		08/25/21 17:57	1330-20-7	
m&p-Xylene	**2.6**	ug/m3	2.4	1.34		08/25/21 17:57	179601-23-1	
o-Xylene	**<1.2**	ug/m3	1.2	1.34		08/25/21 17:57	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

QC Batch: 766079
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70184497001

METHOD BLANK: 4082617 Matrix: Air
Associated Lab Samples: 70184497001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.56	0.56	08/25/21 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	<0.70	0.70	08/25/21 14:49	
1,1,2-Trichloroethane	ug/m3	<0.28	0.28	08/25/21 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.78	0.78	08/25/21 14:49	
1,1-Dichloroethane	ug/m3	<0.41	0.41	08/25/21 14:49	
1,1-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
1,2,4-Trichlorobenzene	ug/m3	<3.8	3.8	08/25/21 14:49	
1,2,4-Trimethylbenzene	ug/m3	<0.50	0.50	08/25/21 14:49	
1,2-Dibromoethane (EDB)	ug/m3	<0.39	0.39	08/25/21 14:49	
1,2-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
1,2-Dichloroethane	ug/m3	<0.41	0.41	08/25/21 14:49	
1,2-Dichloropropane	ug/m3	<0.47	0.47	08/25/21 14:49	
1,3,5-Trimethylbenzene	ug/m3	<0.50	0.50	08/25/21 14:49	
1,3-Butadiene	ug/m3	<0.22	0.22	08/25/21 14:49	
1,3-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
1,4-Dichlorobenzene	ug/m3	<1.5	1.5	08/25/21 14:49	
2-Butanone (MEK)	ug/m3	<1.5	1.5	08/25/21 14:49	
2-Hexanone	ug/m3	<2.1	2.1	08/25/21 14:49	
2-Propanol	ug/m3	<1.2	1.2	08/25/21 14:49	
4-Ethyltoluene	ug/m3	<1.2	1.2	08/25/21 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	<2.1	2.1	08/25/21 14:49	
Acetone	ug/m3	<3.0	3.0	08/25/21 14:49	
Benzene	ug/m3	<0.16	0.16	08/25/21 14:49	
Benzyl chloride	ug/m3	<1.3	1.3	08/25/21 14:49	
Bromodichloromethane	ug/m3	<0.68	0.68	08/25/21 14:49	
Bromoform	ug/m3	<2.6	2.6	08/25/21 14:49	
Bromomethane	ug/m3	<0.39	0.39	08/25/21 14:49	
Carbon disulfide	ug/m3	<0.32	0.32	08/25/21 14:49	
Carbon tetrachloride	ug/m3	<0.64	0.64	08/25/21 14:49	
Chlorobenzene	ug/m3	<0.47	0.47	08/25/21 14:49	
Chloroethane	ug/m3	<0.27	0.27	08/25/21 14:49	
Chloroform	ug/m3	<0.25	0.25	08/25/21 14:49	
Chloromethane	ug/m3	<0.21	0.21	08/25/21 14:49	
cis-1,2-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
cis-1,3-Dichloropropene	ug/m3	<1.2	1.2	08/25/21 14:49	
Cyclohexane	ug/m3	<0.88	0.88	08/25/21 14:49	
Dibromochloromethane	ug/m3	<0.86	0.86	08/25/21 14:49	
Dichlorodifluoromethane	ug/m3	<0.50	0.50	08/25/21 14:49	
Dichlorotetrafluoroethane	ug/m3	<0.71	0.71	08/25/21 14:49	
Ethanol	ug/m3	<0.96	0.96	08/25/21 14:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

METHOD BLANK: 4082617 Matrix: Air
Associated Lab Samples: 70184497001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.37	0.37	08/25/21 14:49	
Ethylbenzene	ug/m3	<0.44	0.44	08/25/21 14:49	
Hexachloro-1,3-butadiene	ug/m3	<2.7	2.7	08/25/21 14:49	
m&p-Xylene	ug/m3	<0.88	0.88	08/25/21 14:49	
Methyl-tert-butyl ether	ug/m3	<1.8	1.8	08/25/21 14:49	
Methylene Chloride	ug/m3	<1.8	1.8	08/25/21 14:49	
n-Heptane	ug/m3	<0.42	0.42	08/25/21 14:49	
n-Hexane	ug/m3	<0.36	0.36	08/25/21 14:49	
Naphthalene	ug/m3	<1.3	1.3	08/25/21 14:49	
o-Xylene	ug/m3	<0.44	0.44	08/25/21 14:49	
Propylene	ug/m3	<0.44	0.44	08/25/21 14:49	
Styrene	ug/m3	<0.43	0.43	08/25/21 14:49	
Tetrachloroethene	ug/m3	<0.34	0.34	08/25/21 14:49	
Tetrahydrofuran	ug/m3	<0.30	0.30	08/25/21 14:49	
THC as Gas	ug/m3	<106	106	08/25/21 14:49	
Toluene	ug/m3	<0.38	0.38	08/25/21 14:49	
trans-1,2-Dichloroethene	ug/m3	<0.40	0.40	08/25/21 14:49	
trans-1,3-Dichloropropene	ug/m3	<1.2	1.2	08/25/21 14:49	
Trichloroethene	ug/m3	<0.27	0.27	08/25/21 14:49	
Trichlorofluoromethane	ug/m3	<0.57	0.57	08/25/21 14:49	
Vinyl acetate	ug/m3	<0.36	0.36	08/25/21 14:49	
Vinyl chloride	ug/m3	<0.13	0.13	08/25/21 14:49	
Xylene (Total)	ug/m3	<1.3	1.3	08/25/21 14:49	

LABORATORY CONTROL SAMPLE: 4082618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.2	62.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.5	87.8	121	70-132	
1,1,2-Trichloroethane	ug/m3	56.3	66.8	119	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	84.7	109	70-130	
1,1-Dichloroethane	ug/m3	42.1	44.2	105	70-133	
1,1-Dichloroethene	ug/m3	41.5	44.3	107	70-130	
1,2,4-Trichlorobenzene	ug/m3	82	101	123	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.9	65.1	125	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.4	93.4	116	70-138	
1,2-Dichlorobenzene	ug/m3	66	83.7	127	70-146	
1,2-Dichloroethane	ug/m3	42.1	46.5	110	70-132	
1,2-Dichloropropane	ug/m3	47.1	52.4	111	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.4	62.6	122	70-143	
1,3-Butadiene	ug/m3	23	23.0	100	70-136	
1,3-Dichlorobenzene	ug/m3	63	85.0	135	70-145	
1,4-Dichlorobenzene	ug/m3	65.5	90.5	138	70-140	
2-Butanone (MEK)	ug/m3	32.4	35.2	109	50-139	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

LABORATORY CONTROL SAMPLE: 4082618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/m3	41.4	49.9	120	70-148	
2-Propanol	ug/m3	27.4	34.1	124	67-135	
4-Ethyltoluene	ug/m3	51.7	65.2	126	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.4	47.7	113	70-139	
Acetone	ug/m3	24.6	27.4	111	64-130	
Benzene	ug/m3	32.9	35.1	107	70-131	
Benzyl chloride	ug/m3	57.3	50.5	88	70-130	
Bromodichloromethane	ug/m3	69.7	78.8	113	70-133	
Bromoform	ug/m3	110	132	120	70-137	
Bromomethane	ug/m3	39.9	41.6	104	64-134	
Carbon disulfide	ug/m3	33.4	35.3	106	70-131	
Carbon tetrachloride	ug/m3	65	73.6	113	70-131	
Chlorobenzene	ug/m3	48.3	54.6	113	70-130	
Chloroethane	ug/m3	26.9	29.1	108	69-141	
Chloroform	ug/m3	48.5	52.7	109	70-130	
Chloromethane	ug/m3	21.1	21.2	100	70-130	
cis-1,2-Dichloroethene	ug/m3	41	43.9	107	70-137	
cis-1,3-Dichloropropene	ug/m3	46.9	56.5	120	70-144	
Cyclohexane	ug/m3	35.2	38.1	108	70-137	
Dibromochloromethane	ug/m3	87.3	99.4	114	70-132	
Dichlorodifluoromethane	ug/m3	51.3	55.1	107	70-130	
Dichlorotetrafluoroethane	ug/m3	65.1	70.2	108	70-130	
Ethanol	ug/m3	19.2	26.0	136	63-133	L1
Ethyl acetate	ug/m3	35.9	38.6	108	70-136	
Ethylbenzene	ug/m3	45.6	53.4	117	70-142	
Hexachloro-1,3-butadiene	ug/m3	117	158	135	70-135	
m&p-Xylene	ug/m3	45.9	51.4	112	70-141	
Methyl-tert-butyl ether	ug/m3	36.9	40.6	110	70-143	
Methylene Chloride	ug/m3	37.8	49.1	130	70-130	
n-Heptane	ug/m3	41.7	44.1	106	70-137	
n-Hexane	ug/m3	35.1	36.5	104	70-135	
Naphthalene	ug/m3	58.1	70.4	121	67-132	
o-Xylene	ug/m3	46	50.4	110	70-141	
Propylene	ug/m3	17.9	19.2	107	70-130	
Styrene	ug/m3	45.3	58.8	130	70-142	
Tetrachloroethene	ug/m3	69.9	79.7	114	70-130	
Tetrahydrofuran	ug/m3	30.1	32.3	107	70-136	
THC as Gas	ug/m3	4020	5450	136	70-130	L1
Toluene	ug/m3	39.4	44.5	113	70-138	
trans-1,2-Dichloroethene	ug/m3	40.8	43.4	106	70-130	
trans-1,3-Dichloropropene	ug/m3	48.2	58.1	120	70-145	
Trichloroethene	ug/m3	55.7	62.2	112	70-130	
Trichlorofluoromethane	ug/m3	56.5	61.1	108	69-135	
Vinyl acetate	ug/m3	38.1	41.5	109	70-146	
Vinyl chloride	ug/m3	26.6	27.8	105	70-137	
Xylene (Total)	ug/m3	91.9	102	111	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

SAMPLE DUPLICATE: 4084938

Parameter	Units	10575795002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.28	<1.7		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.55	<2.1		25	
1,1,2-Trichloroethane	ug/m3	<0.29	<0.83		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	1.8J	<2.3		25	
1,1-Dichloroethane	ug/m3	<0.25	<1.2		25	
1,1-Dichloroethene	ug/m3	0.25J	<1.2		25	
1,2,4-Trichlorobenzene	ug/m3	<7.3	<11.2		25	
1,2,4-Trimethylbenzene	ug/m3	4.8	4.8	0	25	
1,2-Dibromoethane (EDB)	ug/m3	<0.45	<1.2		25	
1,2-Dichlorobenzene	ug/m3	<0.60	<4.6		25	
1,2-Dichloroethane	ug/m3	<0.29	<1.2		25	
1,2-Dichloropropane	ug/m3	<0.40	<1.4		25	
1,3,5-Trimethylbenzene	ug/m3	1.5J	<1.5		25	
1,3-Butadiene	ug/m3	<0.18	<0.67		25	
1,3-Dichlorobenzene	ug/m3	<0.76	<4.6		25	
1,4-Dichlorobenzene	ug/m3	<1.3	<4.6		25	
2-Butanone (MEK)	ug/m3	5.2	5.1	1	25	
2-Hexanone	ug/m3	<0.66	<6.2		25	
2-Propanol	ug/m3	11.9	11.3	5	25	
4-Ethyltoluene	ug/m3	1.7J	<3.7		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.48	<6.2		25	
Acetone	ug/m3	18.7	28.3	41	25	R1
Benzene	ug/m3	0.92	0.92	0	25	
Benzyl chloride	ug/m3	<1.3	<3.9		25	
Bromodichloromethane	ug/m3	<0.35	<2.0		25	
Bromoform	ug/m3	<2.4	<7.8		25	
Bromomethane	ug/m3	<0.22	<1.2		25	
Carbon disulfide	ug/m3	<0.19	<0.94		25	
Carbon tetrachloride	ug/m3	<0.42	<1.9		25	
Chlorobenzene	ug/m3	<0.23	<1.4		25	
Chloroethane	ug/m3	<0.33	<0.80		25	
Chloroform	ug/m3	0.50J	<0.74		25	
Chloromethane	ug/m3	1.9	2.0	4	25	
cis-1,2-Dichloroethene	ug/m3	0.91J	<1.2		25	
cis-1,3-Dichloropropene	ug/m3	<0.38	<3.4		25	
Cyclohexane	ug/m3	1.1J	<2.6		25	
Dibromochloromethane	ug/m3	<0.77	<2.6		25	
Dichlorodifluoromethane	ug/m3	3.5	<1.5		25	
Dichlorotetrafluoroethane	ug/m3	<0.30	<2.1		25	
Ethanol	ug/m3	87.0	83.5	4	25	L1
Ethyl acetate	ug/m3	1.3	1.3	4	25	
Ethylbenzene	ug/m3	1.3	1.3	1	25	
Hexachloro-1,3-butadiene	ug/m3	<1.8	<8.1		25	
m&p-Xylene	ug/m3	3.6	3.6	1	25	
Methyl-tert-butyl ether	ug/m3	<0.19	<5.5		25	
Methylene Chloride	ug/m3	<0.88	<5.3		25	
n-Heptane	ug/m3	1.5	1.5	2	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

SAMPLE DUPLICATE: 4084938

Parameter	Units	10575795002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	1.5	2.1	29	25	R1
Naphthalene	ug/m3	<3.2	<4.0		25	
o-Xylene	ug/m3	1.6	1.6	2	25	
Propylene	ug/m3	<0.19	<1.3		25	
Styrene	ug/m3	<0.57	<1.3		25	
Tetrachloroethene	ug/m3	1990	2020	1	25	
Tetrahydrofuran	ug/m3	1.5	2.0	30	25	R1
THC as Gas	ug/m3	1660	1680	1	25	L1
Toluene	ug/m3	6.9	6.9	0	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<1.2		25	
trans-1,3-Dichloropropene	ug/m3	<0.81	<3.4		25	
Trichloroethene	ug/m3	4.6	4.6	1	25	
Trichlorofluoromethane	ug/m3	1.8	1.8	4	25	
Vinyl acetate	ug/m3	<0.31	<1.1		25	
Vinyl chloride	ug/m3	<0.13	<0.39		25	
Xylene (Total)	ug/m3	5.2	5.1	1	25	

SAMPLE DUPLICATE: 4086035

Parameter	Units	70184497001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.5	<1.5		25	
1,1,2,2-Tetrachloroethane	ug/m3	<1.9	<1.9		25	
1,1,2-Trichloroethane	ug/m3	<0.74	<0.74		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<2.1	<2.1		25	
1,1-Dichloroethane	ug/m3	<1.1	<1.1		25	
1,1-Dichloroethene	ug/m3	<1.1	<1.1		25	
1,2,4-Trichlorobenzene	ug/m3	<10.1	<10.1		25	
1,2,4-Trimethylbenzene	ug/m3	1.8	1.7	8	25	
1,2-Dibromoethane (EDB)	ug/m3	<1.0	<1.0		25	
1,2-Dichlorobenzene	ug/m3	<4.1	<4.1		25	
1,2-Dichloroethane	ug/m3	<1.1	<1.1		25	
1,2-Dichloropropane	ug/m3	<1.3	<1.3		25	
1,3,5-Trimethylbenzene	ug/m3	<1.3	<1.3		25	
1,3-Butadiene	ug/m3	<0.60	<0.60		25	
1,3-Dichlorobenzene	ug/m3	<4.1	<4.1		25	
1,4-Dichlorobenzene	ug/m3	<4.1	<4.1		25	
2-Butanone (MEK)	ug/m3	<4.0	<4.0		25	
2-Hexanone	ug/m3	<5.6	<5.6		25	
2-Propanol	ug/m3	<3.4	<3.4		25	
4-Ethyltoluene	ug/m3	<3.4	<3.4		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<5.6	<5.6		25	
Acetone	ug/m3	29.3	18.6	45	25	R1
Benzene	ug/m3	<0.44	<0.44		25	
Benzyl chloride	ug/m3	<3.5	<3.5		25	
Bromodichloromethane	ug/m3	3.2	2.7	17	25	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

SAMPLE DUPLICATE: 4086035

Parameter	Units	70184497001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/m3	<7.0	<7.0		25	
Bromomethane	ug/m3	<1.1	<1.1		25	
Carbon disulfide	ug/m3	<0.85	<0.85		25	
Carbon tetrachloride	ug/m3	<1.7	<1.7		25	
Chlorobenzene	ug/m3	<1.3	<1.3		25	
Chloroethane	ug/m3	<0.72	<0.72		25	
Chloroform	ug/m3	68.5	62.5	9	25	
Chloromethane	ug/m3	<0.56	<0.56		25	
cis-1,2-Dichloroethene	ug/m3	48.3	47.9	1	25	
cis-1,3-Dichloropropene	ug/m3	<3.1	<3.1		25	
Cyclohexane	ug/m3	<2.3	<2.3		25	
Dibromochloromethane	ug/m3	<2.3	<2.3		25	
Dichlorodifluoromethane	ug/m3	<1.4	<1.4		25	
Dichlorotetrafluoroethane	ug/m3	<1.9	<1.9		25	
Ethanol	ug/m3	4.4	<2.6		25	
Ethyl acetate	ug/m3	<0.98	<0.98		25	
Ethylbenzene	ug/m3	<1.2	<1.2		25	
Hexachloro-1,3-butadiene	ug/m3	<7.3	<7.3		25	
m&p-Xylene	ug/m3	2.6	2.6	1	25	
Methyl-tert-butyl ether	ug/m3	<4.9	<4.9		25	
Methylene Chloride	ug/m3	<4.7	<4.7		25	
n-Heptane	ug/m3	<1.1	<1.1		25	
n-Hexane	ug/m3	<0.96	<0.96		25	
Naphthalene	ug/m3	<3.6	<3.6		25	
o-Xylene	ug/m3	<1.2	<1.2		25	
Propylene	ug/m3	<1.2	<1.2		25	
Styrene	ug/m3	<1.2	<1.2		25	
Tetrachloroethene	ug/m3	1020	1010	0	25	
Tetrahydrofuran	ug/m3	4.8	3.6	30	25	R1
THC as Gas	ug/m3	822	931	12	25	L1
Toluene	ug/m3	3.5	2.9	19	25	
trans-1,2-Dichloroethene	ug/m3	<1.1	<1.1		25	
trans-1,3-Dichloropropene	ug/m3	<3.1	<3.1		25	
Trichloroethene	ug/m3	48.6	45.4	7	25	
Trichlorofluoromethane	ug/m3	8.3	7.0	17	25	
Vinyl acetate	ug/m3	<0.96	<0.96		25	
Vinyl chloride	ug/m3	<0.35	<0.35		25	
Xylene (Total)	ug/m3	<3.6	<3.6		25	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70184497 EnviroTrac Ltd.-Revised Report
Pace Project No.: 10575535

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70184497001	**SVE EFFLUENT**	TO-15	766079		

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

[X] Samples Pre-Logged into eCOC.

State Of Origin: NY
Cert. Needed: [X] Yes [ ] No
Owner Received Date: 8/18/2021 Results Requested By: 9/1/2021

Workorder: 70184497 **Workorder Name:** SUTTER AVE 8/18

Report To	Subcontract To
Sophia Sparkes Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040	Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	TO15 (FULL LIST VOCs)	LAB USE ONLY
1	SVE EFFLUENT	PS	8/18/2021 11:30	70184497001	Air	1	X	601
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Moranne Saager NY	8.19.21 1800	Pace	8/23/21 9:50
2				
3				

Comments: IR10: CATEGORY B DATA PACKAGE & EDD

Cooler Temperature on Receipt °C | **Custody Seal** Y or (N) | **Received on Ice** Y or (N) | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

WO# : 10575535

10575535

Pace Analytical www

WO#: 70184497

70184497

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

51169

Page: 1 of 1

Section A Required Client Information:

Company:	Envirotrac Ltd
Address:	
Email To:	~~joseph~~ josifchok@envirotrac.com
Phone: 610-955-6004	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Tracy Wall
Copy To:	
Purchase Order No.:	
Project Name:	Sutter Ave.
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager/Sales Rep.	
Pace Profile #:	38414

Program

☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other____

Location of Sampling by State ________

Reporting Units
ug/m³ __ mg/m³ __
PPBV __ PPMV __
Other __

Report Level II.__ III.__ IV.__ Other____

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED Composite Start DATE	Composite Start TIME	Composite - End/Grab DATE	Composite - End/Grab TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	SVE Effluent			8/18	1130					3408							X				
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	8/18	1:35	[signature] Pace	8/18/11	1335

SAMPLE CONDITIONS			
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
30.6	Y/N (Y circled)	Y/N (N circled)	Y/N (Y circled)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical®

Client Name: Envirotrac

Project #

WO#: 70184497

PM: STS Due Date: 09/01/2

CLIENT: ENVIROTRAC

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: TH091 Correction Factor: +0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 30.6 Cooler Temperature Corrected(°C): 30.6

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: MN 5/18/21

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 (F-LI-C-010) and include with SCUR/COC paperwork.

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

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - Air	Document Revised: 24Mar2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0113 Rev.00	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt **Client Name:** PASI-NY **Project #:**

WO#: 10575535

PM: JMR **Due Date: 09/07/21**

CLIENT: PASI-LINY

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 529562657798

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): _____ **Corrected Temp (°C):** _____ **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 8-23-21 WT

Type of ice Received ☐ Blue ☐ Wet ☒ None

			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 and/or Signature on COC?	☐ Yes	☒ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	7.
Sufficient Volume?	☒ Yes	☐ No	8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No	9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No	10.
Media: (Air Can) Airbag Filter TDT Passive			11. Individually Certified Cans Y (N) (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No	12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☐ Yes	☐ No	13.

Gauge # ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1	3408	1103	0	+5					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Joanne Richardson **Date:** 8-23-21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI Long Island- Melville
Phone: 631 694-3040
Lab Project Number: 10575535
Project Name: 70184497 EnviroTrac Ltd.

Lab Sample No: 70184497001
Client Sample ID: SVE EFFLUENT
ProjSampleNum: 70184497001
Matrix: Air
Date Collected: 08/18/21 11:30
Date Received: 08/23/21 9:50

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
1,1,1-Trichloroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	71-55-6	
1,1,1-Trichloroethane	<1.5	ug/m3	1.5	1.34	08/25/21 17:57 HMH	71-55-6	
1,1,2,2-Tetrachloroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	79-34-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/m3	1.9	1.34	08/25/21 17:57 HMH	79-34-5	
1,1,2-Trichloroethane	<<0.13	ppbv	0.13	1.34	08/25/21 17:57 HMH	79-00-5	
1,1,2-Trichloroethane	<0.74	ug/m3	0.74	1.34	08/25/21 17:57 HMH	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.1	ug/m3	2.1	1.34	08/25/21 17:57 HMH	76-13-1	
1,1,2-Trichlorotrifluoroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	76-13-1	
1,1-Dichloroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	75-34-3	
1,1-Dichloroethane	<1.1	ug/m3	1.1	1.34	08/25/21 17:57 HMH	75-34-3	
1,1-Dichloroethene	<1.1	ug/m3	1.1	1.34	08/25/21 17:57 HMH	75-35-4	
1,1-Dichloroethene	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	75-35-4	
1,2,4-Trichlorobenzene	<<1.3	ppbv	1.3	1.34	08/25/21 17:57 HMH	120-82-1	
1,2,4-Trichlorobenzene	<10.1	ug/m3	10.1	1.34	08/25/21 17:57 HMH	120-82-1	
1,2,4-Trimethylbenzene	1.8	ug/m3	1.3	1.34	08/25/21 17:57 HMH	95-63-6	
1,2,4-Trimethylbenzene	0.36	ppbv	0.26	1.34	08/25/21 17:57 HMH	95-63-6	
1,2-Dibromoethane (EDB)	<1	ug/m3	1	1.34	08/25/21 17:57 HMH	106-93-4	
1,2-Dibromoethane (EDB)	<<0.13	ppbv	0.13	1.34	08/25/21 17:57 HMH	106-93-4	
1,2-Dichlorobenzene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	95-50-1	
1,2-Dichlorobenzene	<4.1	ug/m3	4.1	1.34	08/25/21 17:57 HMH	95-50-1	
1,2-Dichloroethane	<1.1	ug/m3	1.1	1.34	08/25/21 17:57 HMH	107-06-2	
1,2-Dichloroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	107-06-2	
1,2-Dichloropropane	<<0.28	ppbv	0.28	1.34	08/25/21 17:57 HMH	78-87-5	
1,2-Dichloropropane	<1.3	ug/m3	1.3	1.34	08/25/21 17:57 HMH	78-87-5	
1,3,5-Trimethylbenzene	<<0.26	ppbv	0.26	1.34	08/25/21 17:57 HMH	108-67-8	
1,3,5-Trimethylbenzene	<1.3	ug/m3	1.3	1.34	08/25/21 17:57 HMH	108-67-8	
1,3-Butadiene	<0.6	ug/m3	0.6	1.34	08/25/21 17:57 HMH	106-99-0	
1,3-Butadiene	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	106-99-0	
1,3-Dichlorobenzene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	541-73-1	
1,3-Dichlorobenzene	<4.1	ug/m3	4.1	1.34	08/25/21 17:57 HMH	541-73-1	
1,4-Dichlorobenzene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	106-46-7	
1,4-Dichlorobenzene	<4.1	ug/m3	4.1	1.34	08/25/21 17:57 HMH	106-46-7	
2-Butanone (MEK)	<<1.3	ppbv	1.3	1.34	08/25/21 17:57 HMH	78-93-3	
2-Butanone (MEK)	<4	ug/m3	4	1.34	08/25/21 17:57 HMH	78-93-3	
2-Hexanone	<5.6	ug/m3	5.6	1.34	08/25/21 17:57 HMH	591-78-6	
2-Hexanone	<<1.3	ppbv	1.3	1.34	08/25/21 17:57 HMH	591-78-6	
2-Propanol	<<1.4	ppbv	1.4	1.34	08/25/21 17:57 HMH	67-63-0	
2-Propanol	<3.4	ug/m3	3.4	1.34	08/25/21 17:57 HMH	67-63-0	

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI Long Island- Melville
Phone: 631 694-3040
Lab Project Number: 10575535
Project Name: 70184497 EnviroTrac Ltd.

Lab Sample No: 70184497001
Client Sample ID: SVE EFFLUENT
ProjSampleNum: 70184497001
Matrix: Air
Date Collected: 08/18/21 11:30
Date Received: 08/23/21 9:50

Air

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
4-Ethyltoluene	<3.4	ug/m3	3.4	1.34	08/25/21 17:57 HMH	622-96-8	
4-Ethyltoluene	<<0.68	ppbv	0.68	1.34	08/25/21 17:57 HMH	622-96-8	
4-Methyl-2-pentanone (MIBK)	<5.6	ug/m3	5.6	1.34	08/25/21 17:57 HMH	108-10-1	
4-Methyl-2-pentanone (MIBK)	<<1.3	ppbv	1.3	1.34	08/25/21 17:57 HMH	108-10-1	
Acetone	12.1	ppbv	3.4	1.34	08/25/21 17:57 HMH	67-64-1	
Acetone	29.3	ug/m3	8.1	1.34	08/25/21 17:57 HMH	67-64-1	
Benzene	<<0.14	ppbv	0.14	1.34	08/25/21 17:57 HMH	71-43-2	
Benzene	<0.44	ug/m3	0.44	1.34	08/25/21 17:57 HMH	71-43-2	
Benzyl chloride	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	100-44-7	
Benzyl chloride	<3.5	ug/m3	3.5	1.34	08/25/21 17:57 HMH	100-44-7	
Bromodichloromethane	0.47	ppbv	0.26	1.34	08/25/21 17:57 HMH	75-27-4	
Bromodichloromethane	3.2	ug/m3	1.8	1.34	08/25/21 17:57 HMH	75-27-4	
Bromoform	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	75-25-2	
Bromoform	<7	ug/m3	7	1.34	08/25/21 17:57 HMH	75-25-2	
Bromomethane	<<0.28	ppbv	0.28	1.34	08/25/21 17:57 HMH	74-83-9	
Bromomethane	<1.1	ug/m3	1.1	1.34	08/25/21 17:57 HMH	74-83-9	
Carbon disulfide	<0.85	ug/m3	0.85	1.34	08/25/21 17:57 HMH	75-15-0	
Carbon disulfide	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	75-15-0	
Carbon tetrachloride	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	56-23-5	
Carbon tetrachloride	<1.7	ug/m3	1.7	1.34	08/25/21 17:57 HMH	56-23-5	
Chlorobenzene	<<0.28	ppbv	0.28	1.34	08/25/21 17:57 HMH	108-90-7	
Chlorobenzene	<1.3	ug/m3	1.3	1.34	08/25/21 17:57 HMH	108-90-7	
Chloroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	75-00-3	
Chloroethane	<0.72	ug/m3	0.72	1.34	08/25/21 17:57 HMH	75-00-3	
Chloroform	13.8	ppbv	0.13	1.34	08/25/21 17:57 HMH	67-66-3	
Chloroform	68.5	ug/m3	0.66	1.34	08/25/21 17:57 HMH	67-66-3	
Chloromethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	74-87-3	
Chloromethane	<0.56	ug/m3	0.56	1.34	08/25/21 17:57 HMH	74-87-3	
cis-1,2-Dichloroethene	48.3	ug/m3	1.1	1.34	08/25/21 17:57 HMH	156-59-2	
cis-1,2-Dichloroethene	12	ppbv	0.27	1.34	08/25/21 17:57 HMH	156-59-2	
cis-1,3-Dichloropropene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57 HMH	10061-01-5	
cis-1,3-Dichloropropene	<3.1	ug/m3	3.1	1.34	08/25/21 17:57 HMH	10061-01-5	
Cyclohexane	<<0.66	ppbv	0.66	1.34	08/25/21 17:57 HMH	110-82-7	
Cyclohexane	<2.3	ug/m3	2.3	1.34	08/25/21 17:57 HMH	110-82-7	
Dibromochloromethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	124-48-1	
Dibromochloromethane	<2.3	ug/m3	2.3	1.34	08/25/21 17:57 HMH	124-48-1	
Dichlorodifluoromethane	<<0.28	ppbv	0.28	1.34	08/25/21 17:57 HMH	75-71-8	
Dichlorodifluoromethane	<1.4	ug/m3	1.4	1.34	08/25/21 17:57 HMH	75-71-8	
Dichlorotetrafluoroethane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	76-14-2	
Dichlorotetrafluoroethane	<1.9	ug/m3	1.9	1.34	08/25/21 17:57 HMH	76-14-2	

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Pace Analytical Services, LLC
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Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: PASI Long Island- Melville
Phone: 631 694-3040
Lab Project Number: 10575535
Project Name: 70184497 EnviroTrac Ltd.

Lab Sample No: 70184497001
Client Sample ID: SVE EFFLUENT
ProjSampleNum: 70184497001
Matrix: Air
Date Collected: 08/18/21 11:30
Date Received: 08/23/21 9:50

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
Air								
Ethanol	2.3	ppbv	1.4	1.34	08/25/21 17:57	HMH	64-17-5	L1
Ethanol	4.4	ug/m3	2.6	1.34	08/25/21 17:57	HMH	64-17-5	L1
Ethyl acetate	<<0.27	ppbv	0.27	1.34	08/25/21 17:57	HMH	141-78-6	
Ethyl acetate	<0.98	ug/m3	0.98	1.34	08/25/21 17:57	HMH	141-78-6	
Ethylbenzene	<<0.27	ppbv	0.27	1.34	08/25/21 17:57	HMH	100-41-4	
Ethylbenzene	<1.2	ug/m3	1.2	1.34	08/25/21 17:57	HMH	100-41-4	
Hexachloro-1,3-butadiene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57	HMH	87-68-3	
Hexachloro-1,3-butadiene	<7.3	ug/m3	7.3	1.34	08/25/21 17:57	HMH	87-68-3	
m&p-Xylene	2.6	ug/m3	2.4	1.34	08/25/21 17:57	HMH	179601-23-1	
m&p-Xylene	0.59	ppbv	0.54	1.34	08/25/21 17:57	HMH	179601-23-1	
Methylene Chloride	<<1.3	ppbv	1.3	1.34	08/25/21 17:57	HMH	75-09-2	
Methylene Chloride	<4.7	ug/m3	4.7	1.34	08/25/21 17:57	HMH	75-09-2	
Methyl-tert-butyl ether	<4.9	ug/m3	4.9	1.34	08/25/21 17:57	HMH	1634-04-4	
Methyl-tert-butyl ether	<<1.3	ppbv	1.3	1.34	08/25/21 17:57	HMH	1634-04-4	
Naphthalene	<3.6	ug/m3	3.6	1.34	08/25/21 17:57	HMH	91-20-3	
Naphthalene	<<0.68	ppbv	0.68	1.34	08/25/21 17:57	HMH	91-20-3	
n-Heptane	<1.1	ug/m3	1.1	1.34	08/25/21 17:57	HMH	142-82-5	
n-Heptane	<<0.26	ppbv	0.26	1.34	08/25/21 17:57	HMH	142-82-5	
n-Hexane	<0.96	ug/m3	0.96	1.34	08/25/21 17:57	HMH	110-54-3	
n-Hexane	<<0.27	ppbv	0.27	1.34	08/25/21 17:57	HMH	110-54-3	
o-Xylene	<1.2	ug/m3	1.2	1.34	08/25/21 17:57	HMH	95-47-6	
o-Xylene	<<0.27	ppbv	0.27	1.34	08/25/21 17:57	HMH	95-47-6	
Propylene	<1.2	ug/m3	1.2	1.34	08/25/21 17:57	HMH	115-07-1	
Propylene	<<0.69	ppbv	0.69	1.34	08/25/21 17:57	HMH	115-07-1	
Styrene	<1.2	ug/m3	1.2	1.34	08/25/21 17:57	HMH	100-42-5	
Styrene	<<0.28	ppbv	0.28	1.34	08/25/21 17:57	HMH	100-42-5	
Tetrachloroethene	1020	ug/m3	9.2	13.4	08/27/21 23:14	AJA	127-18-4	
Tetrachloroethene	148	ppbv	1.3	13.4	08/27/21 23:14	AJA	127-18-4	
Tetrahydrofuran	4.8	ug/m3	0.8	1.34	08/25/21 17:57	HMH	109-99-9	
Tetrahydrofuran	1.6	ppbv	0.27	1.34	08/25/21 17:57	HMH	109-99-9	
THC as Gas	822	ug/m3	283	1.34	08/25/21 17:57	HMH		
THC as Gas	189	ppbv	65.2	1.34	08/25/21 17:57	HMH		
Toluene	0.91	ppbv	0.26	1.34	08/25/21 17:57	HMH	108-88-3	
Toluene	3.5	ug/m3	1	1.34	08/25/21 17:57	HMH	108-88-3	
trans-1,2-Dichloroethene	<<0.27	ppbv	0.27	1.34	08/25/21 17:57	HMH	156-60-5	
trans-1,2-Dichloroethene	<1.1	ug/m3	1.1	1.34	08/25/21 17:57	HMH	156-60-5	
trans-1,3-Dichloropropene	<3.1	ug/m3	3.1	1.34	08/25/21 17:57	HMH	10061-02-6	
trans-1,3-Dichloropropene	<<0.67	ppbv	0.67	1.34	08/25/21 17:57	HMH	10061-02-6	
Trichloroethene	48.6	ug/m3	0.73	1.34	08/25/21 17:57	HMH	79-01-6	
Trichloroethene	8.9	ppbv	0.13	1.34	08/25/21 17:57	HMH	79-01-6	

SUPPLEMENTAL REPORT
Units Conversion Request

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ANALYTICAL RESULTS

Client: PASI Long Island- Melville
Phone: 631 694-3040
Lab Project Number: 10575535
Project Name: 70184497 EnviroTrac Ltd.

Lab Sample No: 70184497001
Client Sample ID: SVE EFFLUENT
ProjSampleNum: 70184497001
Matrix: Air
Date Collected: 08/18/21 11:30
Date Received: 08/23/21 9:50

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
Trichlorofluoromethane	1.5	ppbv	0.26	1.34	08/25/21 17:57 HMH	75-69-4	
Trichlorofluoromethane	8.3	ug/m3	1.5	1.34	08/25/21 17:57 HMH	75-69-4	
Vinyl acetate	<0.96	ug/m3	0.96	1.34	08/25/21 17:57 HMH	108-05-4	
Vinyl acetate	<<0.27	ppbv	0.27	1.34	08/25/21 17:57 HMH	108-05-4	
Vinyl chloride	<0.35	ug/m3	0.35	1.34	08/25/21 17:57 HMH	75-01-4	
Vinyl chloride	<<0.13	ppbv	0.13	1.34	08/25/21 17:57 HMH	75-01-4	
Xylene (Total)	<<0.82	ppbv	0.82	1.34	08/25/21 17:57 HMH	1330-20-7	
Xylene (Total)	<3.6	ug/m3	3.6	1.34	08/25/21 17:57 HMH	1330-20-7	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

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ANALYTICAL RESULTS

Client: PASI Long Island- Melville
Phone: 631 694-3040

Lab Project Number: 10575535
Project Name: 70184497 EnviroTrac Ltd.

PARAMETER FOOTNOTES

ND Not detected at or above adjusted reporting limit

NC Not Calculable

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

[L1] Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

APPENDIX C

Site Management Forms

Operation & Maintenance Data Sheet
AAA Sutter Realty
1199 Sutter Avenue
Brooklyn, NY

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

Date:
Weather / Temp:
Technician / Operator:

Soil Vapor Extraction System								
System Total Air Flow Rate (cfm)		160			Fresh Air Valve Open (%)		0	
Vacuum Before Air Filter ("H2O)		84			B- 1 Effluent Pressure ("H2O)		3	
Blower (B-1) Vacuum ("H2O)		84			B- 1 Effluent PID (ppm)		~~160~~	
B- 1 Influent Temp (deg F)		70			B-1 Effluent Sample Taken? (Y or N)		Y	
B- 1 Effluent Temp (deg F)		165			B-1 Run Time (hrs)		21046.7	
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	14	45	0		SVE-9 ("H2O)/(cfm)/(ppm)	72	35	0
SVE-8 ("H2O)/(cfm)/(ppm)	76	50	0		SVE-10 ("H2O)/(cfm)/(ppm)	78	70	0
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)		~~160~~			Heat Exchanger Influent Temp (deg F)			
C-1 Pressure (psi)					Heat Exchanger Effluent Temp (deg F)			
C-1 Run Time (hrs)								
AS Manifold Legs - Pressure								
AS-2 (psi)								
AS-1 (psi)								
AS-3 (psi)								
Vacuum Influence Monitoring								
VMP-1 ("H2O)					VMP-5 ("H2O)			
VMP-2 ("H2O)					VMP-6 ("H2O)			
VMP-3 ("H2O)					VMP-7 ("H2O)			
VMP-4 ("H2O)								

Notes, Comments & Observations:

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:
Weather / Temp:
Technician / Operator:

Arrival Time:
Departure Time:

System Status

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

Sub-Slab Depressurization System

Total Air Flow Rate (cfm)	21.56		
Inline Air Filter (F-1) Inlet Vacuum ("H2O)			
Inlet Vacuum ("H2O)	60		
Fresh Air Valve Open (%)	0		
Inlet Temperature (°F)	—		
Outlet Temperature (°F)	—		
Outlet Pressure ("H2O)	0		

SSDS Extraction Points - Vacuum/Flow Rate/PID

SSD-1 ("H2O)/(cfm)/(ppm)	6	7.3	0	SSD-5 ("H2O)/(cfm)/(ppm)	6.0	6.6	0.2
SSD-2 ("H2O)/(cfm)/(ppm)	6.5	8.5	0.1	SSD-6 ("H2O)/(cfm)/(ppm)	6.1	7.3	0.0
SSD-3 ("H2O)/(cfm)/(ppm)	6.1	7.8	0.2				
SSD-4 ("H2O)/(cfm)/(ppm)	11	5.06	0.1				

Soil Vapor Monitoring Points - Vacuum Influence/PID

VMP-1 ("H2O)/(ppm)	3.75	
VMP-2 ("H2O)/(ppm)	Blocked	
VMP-3 ("H2O)/(ppm)	0.59	
VMP-4 ("H2O)/(ppm)	Blocked	
VMP-5 ("H2O)/(ppm)	0.274	
VMP-6 ("H2O)/(ppm)	0.232	0.1
VMP-7 ("H2O)/(ppm)	0.612	0.4

Notes, Comments & Observations:

EnviroTrac
Environmental Services

APPENIDX D

Site Inspection Form

Site Inspection Form

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

Date: 8/18/21

Personnel: JFO

Weather: 70 Rainy

Reporting Period: August / Yearly

SVE Piping: In working condition

SVE Gauges: In good condition

SVE blowers: In Good condition

AS Piping: In Good condition

AS Gauges: In GOOd condition

AS Compressor: OFF

Monitoring Wells: Dirty on top. Many wells are filthy with trash surrounding them.

Miscellaneous Site Conditions: Drums were moved to behind the supermarket.

EnviroTrac