

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
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Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date

SEPTEMBER 2020





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



Site No. C224141

Site Details

Box 1

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: April 19, 2019 to August 28, 2020

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

Box 2

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

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

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

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

9/30/20
Date

Box 2A

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information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

YES NO

☐ ☒

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

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

☒ ☐

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

SITE NO. C224141**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional 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**ParcelEngineering Control

4248 - 1

Vapor Mitigation
Cover System
Air Sparging/Soil Vapor Extraction

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

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



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

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

Tracy Wall
Signature of Owner, Remedial Party or Designated Representative

9/30/20
Date

IC CERTIFICATIONS
SITE NO. C224141

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Tracy Wall at EnviroTrac Ltd. 5 Old Dock Road, Yaphank, NY
print name print business address 11980

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

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

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

9/30/20
Date

IC/EC CERTIFICATIONS

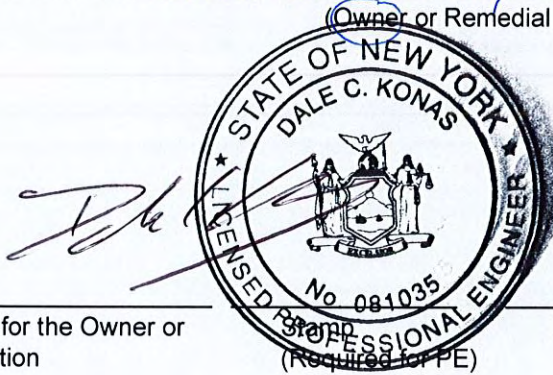
Box 7

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 PEPC 501d Dock Road
print name print business address Yaphank, NY 11980

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

Date

9/30/20

PERIODIC REVIEW REPORT

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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. 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 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. Air Sparge (AS) system	
	3. Sub-slab Depressurization (SSD) system	
Inspections:		Frequency
1. Cover inspection		Annually
Monitoring:		
1. SVE Wells 1-4		Monthly
2. AS Wells 1-3		Monthly
3. SSDS Extraction Points		Annually
4. Groundwater Monitoring Wells MW-1S, MW-2S, MW-5S, MW-8S, MW-10S, and MW-11S		Quarterly

Maintenance:	
1. Blower maintenance	Monthly
2. Compressor 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 system and AS system (January 2019 to August 2020), groundwater monitoring was conducted on a quarterly basis (August 2019, November 2019, February 2020, May 2020, and August 2020), and the SSD system and Site cover are inspected annually. The annual Site inspection was conducted on August 28, 2020. The ECs include the operation and maintenance (O&M) of a soil vapor extraction (SVE) system, O&M of an air sparge (AS) system, O&M of a sub-slab depressurization (SSD) system, and the maintenance of the Site cover system. The SSD system has been operating since May 2017 and the SVE and AS systems have been operating since January 2019. Monitoring results for the SVE system and SSD system showed that they were operating properly with no issues. Inspection of the Site cover indicated no issues and no changes in Site use. No issues were reported for the AS system, including the compressor, piping, and gauges, or the AS wells from January 2019 to the end of June 2020. During the period between June to August 2019, the AS system was not operating at an optimal rate. Visits to the site indicated that the temperature within the shed was high due to the blockage of the shed vents by one of the property tenants. Due to a high temperature alarm, the AS portion of the system shut down during this time. This issue was corrected, and the tenant was told not to block the vents. Small adjustments were also made to the AS portion of the system. Also, on July 1, 2020, it was found that the carbon vane for the compressor needed to be replaced. The replacement carbon vane parts for the compressor have been ordered but are on back order. The AS portion of the system has not been operating since July 1, 2020. Once the parts are received, they will be replaced. No other issues were reported for the AS system. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the SVE and AS systems. 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 for the Site.

1.4 Recommendations

Since groundwater concentrations for PCE have significantly decreased since the startup of the remediation system and continued to decrease after the shutdown of the AS portion of the system, EnviroTrac PE PC (EnviroTrac) recommends that the AS portion of the system remain off for an additional period of six (6) months. During such time, EnviroTrac will continue to conduct monthly O&M SVE system inspections, quarterly groundwater monitoring events, and annual SSD system certifications. Reporting frequency will remain the same: (1) quarterly groundwater and SVE system monitoring reports; and (2) annual PRRs. Following the six (6) month period, if the groundwater concentrations remain stable or continue to decrease, EnviroTrac recommends that the AS portion of the system remain off on a permanent basis.

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 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. 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 soil vapor extraction (SVE) system, an air sparge system (AS), a sub-slab depressurization (SSD) system, and the Site cover (building slab, concrete sidewalks, asphalt parking lot).

The SVE system was installed at the Site from October to December 2018 and January 2019 and began operation in January 2019. The purpose of the SVE system 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 and generated by the AS system.

The AS system was installed at the Site from October to December 2018 and January 2019 and began operation in January 2019. The purpose of the AS system is to reduce the levels of remaining groundwater contamination over time in the rear parking lot, beneath the basement of the former dry cleaner/current laundromat, and beneath the sidewalk (downgradient) in front of the former dry cleaner/current laundromat to at or below NYSDEC Class GA Ambient Water Quality Standards, TOGS 1.1.1.

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 SVE System

The performance, effectiveness, and protectiveness of the SVE system is evaluated by conducting monthly O&M 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 O&M Logs are provided in Appendix A. The laboratory report is provided in Appendix B. The SVE Site Management Form is provided in Appendix C.

3.2 SSD System

The performance, effectiveness, and protectiveness of the SSD system 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 slab in the supermarket and former dry cleaner/current laundromat following the installation of the SSD system. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSD system blowers (fans). Figure 2 shows the location of the ECs at the Site, including the SSD system wells/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 SSD

system is performing properly and therefore, protecting human health and the environment. The SSD system Site Management Form is provided in Appendix C.

3.3 Groundwater Monitoring Well Results

The performance, effectiveness, and protectiveness of the AS system as well as 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 SVE/AS systems start-up. Groundwater monitoring events occurred in August 2019, November 2019, February 2020, May 2020, and August 2020. Since the startup of the SVE/AS system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. Figures 3, 4, 5, 6, and 7 show the monitoring well locations and groundwater flow contour lines. Table 4 summarizes the water level measurements from August 2019 to August 2020. Table 5 summarizes the groundwater monitoring events at the Site from April 2016 to August 2020. The highest detected groundwater monitoring well sample concentration for PCE collected on August 26, 2020 was 47.1 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 slightly above its NYSDEC Class GA Ambient Water Quality Standard; therefore, quarterly groundwater monitoring will continue. 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, none of the detected concentrations for the other VOCs exceeded their respective NYSDEC Class GA Ambient Water Quality Standards for the August 2020 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 have been operating properly and is protection human health and the environment.

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 is 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. EC compliance is conducted on a monthly, quarterly, and annual basis for the SVE system (monthly), groundwater monitoring (quarterly), SSD system (annually), and Site cover (annually).

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 28, 2020. 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 SVE System

SVE O&M visits occurred on a weekly basis following system start-up followed by monthly O&M visits. No issues were reported for the SVE system, 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 28, 2020. 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 O&M 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.

4.1.2.3 AS System

AS O&M visits occurred on a weekly basis following system start-up followed by monthly O&M visits. No issues were reported for the AS system, including the compressor, piping, and gauges, or the AS wells until during the period between June to August 2019 when the AS system was not operating at an optimal rate. Visits to the site indicated that the temperature within the shed was high due to the blockage of the shed vents by one (1) of the property tenants. Due to a high temperature alarm, the AS portion of the system shut down during this time. This issue was corrected, and the tenant was told not to block the vents. Small adjustments were also made to the AS portion of the system. The AS system was operating properly with no issues from August 2019 to the end of June 2020. On July 1, 2020, it was found that the carbon vane for the compressor needed to be replaced. The replacement carbon vane parts for the compressor have been ordered but are on back order. The AS portion of the system has not been operating since July 1, 2020. Once the parts are received, they will be replaced. No other issues were reported for the AS system. The AS Site Management Form is provided in Appendix C. Although there were some operating issues for the AS system, based on the groundwater monitoring results at and downgradient of the Site, the remaining contamination in groundwater has decreased significantly over time since the startup of the remediation system.

4.1.2.4 SSD System

An annual certification and collection of vacuum readings from beneath the basement slab were conducted on August 28, 2020. No issues were reported for the SSD system, including the blowers (fans), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slab in the supermarket and former dry cleaner/current laundromat following the installation of the SSD system. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSD system blowers (fans). Figure 2 shows the location of the ECs at the Site, including the SSD system wells/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 SSD system is performing properly and therefore, protecting human health and the environment. The SSD system Site Management Form is provided in Appendix C.

4.1.2.5 Groundwater Monitoring Results

Quarterly groundwater monitoring events have occurred since the SVE/AS systems start-up. Groundwater monitoring events occurred in August 2019, November 2019, February 2020, May 2020, and August 2020. Since the startup of the SVE/AS system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. Figures 3, 4, 5, 6, and 7 show the monitoring well locations and groundwater flow contour lines. Table 4 summarizes the water level measurements from August 2019 to August 2020. Table 5 summarizes the groundwater monitoring events at the Site from April 2016 to August 2020. The highest detected groundwater monitoring well sample concentration for PCE collected on August 26, 2020 was 47.1 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 slightly above its NYSDEC Class GA Ambient Water Quality Standard; therefore, quarterly groundwater monitoring will continue. 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, none of the detected concentrations for the other VOCs exceeded their respective NYSDEC Class GA Ambient Water Quality Standards for the August 2020 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 have been operating properly and is protection 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.

Since groundwater concentrations for PCE have significantly decreased since the startup of the remediation system and continued to decrease after the shutdown of the AS portion of the system, EnviroTrac recommends that the AS portion of the system remain off for an additional period of six (6) months. During such time, EnviroTrac will continue to conduct monthly O&M SVE system inspections, quarterly groundwater monitoring events, and annual SSD system certifications. Reporting frequency will remain the same: (1) quarterly groundwater and SVE system monitoring reports; and (2) annual PRRs. Following the six (6) month period, if the groundwater concentrations remain stable or continue to decrease, EnviroTrac recommends that the AS portion of the system remain off on a permanent basis.

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 PC PE, 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.

9/30/20

____ DATE

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

5.0 MONITORING PLAN COMPLAINT 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 system 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 and groundwater 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 New York State Department of Health (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 SVE System

SVE O&M visits occurred on a weekly basis following system start-up followed by monthly O&M visits. No issues were reported for the SVE system, 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 28, 2020. 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 O&M 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. The SVE will continue to operate at the Site in compliance with the SMP.

5.1.2 Quarterly Groundwater Monitoring

Quarterly groundwater monitoring events have occurred since the SVE/AS systems start-up. Groundwater monitoring events occurred in August 2019, November 2019, February 2020, May 2020, and August 2020. Since the startup of the SVE/AS system, concentrations for the on and off-Site groundwater monitoring wells have significantly decreased by an order of magnitude. Figures 3, 4, 5, 6, and 7 show the monitoring well locations and groundwater flow contour lines. Table 4 summarizes the water level measurements from August 2019 to August 2020. Table 5 summarizes the groundwater monitoring events at the Site from April 2016 to August 2020. 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 26, 2020 was 47.1 ug/L in MW-10S, which is above its NYSDEC Class GA Ambient Water Quality Standard of 5 ug/L. This is a significant decrease from 719 ug/L in MW-10S on August 29, 2017. 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, none of the detected concentrations for the other VOCs exceeded their respective NYSDEC Class GA Ambient Water Quality Standards for the August 2020 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 have been operating properly and is protection human health and the environment. Some of the detected concentrations for PCE remain slightly above its

NYSDEC Class GA Ambient Water Quality Standard; therefore, quarterly groundwater monitoring will continue.

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

The SVE effluent air discharge sample results comply with the NYSDEC air discharge standards. Some of the groundwater results indicate slight exceedances of the NYSDEC Class GA Ambient Water Quality Standard for PCE; however, a significant decrease in the concentration of PCE and other VOCs at and downgradient of the Site has been observed for groundwater monitoring events since the startup of the remediation system. The monthly O&M of the SVE system and the quarterly groundwater monitoring will continue in compliance with the SMP for the Site.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

6.1 Components of the O&M Plan

O&M visits are conducted on a monthly basis for the SVE system and the AS system, and on an annual basis for the SSD system.

6.1.1 SVE System

SVE O&M visits occurred on a weekly basis following system start-up followed by monthly O&M visits. No issues were reported for the SVE system, 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 28, 2020. 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 O&M 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 AS System

AS O&M visits occurred on a weekly basis following system start-up followed by monthly O&M visits. No issues were reported for the AS system, including the compressor, piping, and gauges, or the AS wells until during the period between June to August 2019 when the AS system was not operating at an optimal rate. Visits to the site indicated that the temperature within the shed was high due to the blockage of the shed vents by one (1) of the property tenants. Due to a high temperature alarm, the AS portion of the system shut down during this time. This issue was corrected, and the tenant was told not to block the vents. Small adjustments were also made to the AS portion of the system. The AS system was operating properly with no issues from August 2019 to the end of June 2020. On July 1, 2020, it was found that the carbon vane for the compressor

needed to be replaced. The replacement carbon vane parts for the compressor have been ordered but are on back order. The AS portion of the system has not been operating since July 1, 2020. Once the parts are received, they will be replaced. No other issues were reported for the AS system. The AS Site Management Form is provided in Appendix C. Although there were some operating issues for the AS system, based on the groundwater monitoring results at and downgradient of the Site, the remaining contamination in groundwater has decreased significantly over time since the startup of the remediation system.

6.1.3 SSD System

An annual certification and collection of vacuum readings from beneath the basement slab were conducted on August 28, 2020. No issues were reported for the SSD system, including the blowers (fans), piping, and gauges. A total of seven (7) VMPs were installed near the corners and central portions of the basement slab in the supermarket and former dry cleaner/current laundromat following the installation of the SSD system. The VMPs are utilized to determine if an optimal amount of vacuum is being applied to the sub-slab by the SSD system blowers (fans). Figure 2 shows the location of the ECs at the Site, including the SSD system wells/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 SSD system is performing properly and therefore, protecting human health and the environment. The SSD system Site Management Form is provided in Appendix C.

6.2 O&M Deficiencies

No O&M deficiencies were reported for the SVE system or the SSD system.

During the period between June to August 2019, the AS system was not operating at an optimal rate. Visits to the site indicated that the temperature within the shed was high due to the blockage of the shed vents by one (1) of the property tenants. Due to a high temperature alarm, the AS portion of the system shut down during this time. This issue was corrected, and the tenant was told not to block the vents. Small adjustments were also made to the AS portion of the system. The AS system was operating properly with no issues from August 2019 to the end of June 2020. On July 1, 2020, it was found that the carbon vane for the compressor needed to be replaced. The replacement carbon vane parts for the compressor have been ordered but are on back order. The AS portion of the system has not been operating since July 1, 2020. Once the parts are received, they will be replaced. No other issues were reported for the AS system.

6.3 Conclusions and Recommendations

The SVE and SSD system continue to operate properly at the Site. The AS system is currently not operating due to a replacement part on back order.

Since groundwater concentrations for PCE have significantly decreased since the startup of the remediation system and continued to decrease after the shutdown of the AS portion of the system, EnviroTrac recommends that the AS portion of the system remain off for an additional period of six (6) months. During such time, EnviroTrac will continue to conduct monthly O&M SVE system inspections, quarterly groundwater monitoring events, and annual SSD system certifications. Reporting frequency will remain the same: (1) quarterly groundwater and SVE system monitoring reports; and (2) annual PRRs. Following the six (6) month period, if the groundwater concentrations remain stable or continue to decrease, EnviroTrac recommends that the AS portion of the system remain off on a permanent basis.

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 system and AS system (January 2019 to August 2020), groundwater monitoring was conducted on a quarterly basis (August 2019, November 2019, February 2020, May 2020, and August 2020), and the SSD system and Site cover are inspected annually. The annual Site inspection was conducted on August 28, 2020. The ECs include the operation and maintenance (O&M) of a soil vapor extraction (SVE) system, O&M of an air sparge (AS) system, O&M of a sub-slab depressurization (SSD) system, and the maintenance of the Site cover system. The SSD system has been operating since May 2017 and the SVE and AS systems have been operating since January 2019. Monitoring results for the SVE system and SSD system showed that they were operating properly with no issues. Inspection of the Site cover indicated no issues and no changes in Site use. No issues were reported for the AS system, including the compressor, piping, and gauges, or the AS wells from January 2019 to the end of June 2010. During the period between June to August 2019, the AS system was not operating at an optimal rate. Visits to the site indicated that the temperature within the shed was high due to the blockage of the shed vents by one of the property tenants. Due to a high temperature alarm, the AS portion of the system shut down during this time. This issue was corrected, and the tenant was told not to block the vents. Small adjustments were also made to the AS portion of the system. Also, on July 1, 2020, it was found that the carbon vane for the compressor needed to be replaced. The replacement carbon vane parts for the compressor have been ordered but are on back order. The AS portion of the system has not been operating since July 1, 2020. Once the

parts are received, they will be replaced. No other issues were reported for the AS system. Groundwater monitoring results indicate a reduction in on-Site and off-Site remaining groundwater contamination since the startup of the SVE and AS systems.

7.3 Future PRR Submittals

PRR will continue to be submitted on an annual basis.

7.4 Recommendations

Since groundwater concentrations for PCE have significantly decreased since the startup of the remediation system and continued to decrease after the shutdown of the AS portion of the system, EnviroTrac recommends that the AS portion of the system remain off for an additional period of six (6) months. During such time, EnviroTrac will continue to conduct monthly O&M SVE system inspections, quarterly groundwater monitoring events, and annual SSD system certifications. Reporting frequency will remain the same: (1) quarterly groundwater and SVE system monitoring reports; and (2) annual PRRs. Following the six (6) month period, if the groundwater concentrations remain stable or continue to decrease, EnviroTrac recommends that the AS portion of the system remain off on a permanent basis.

FIGURES

TOPOGRAPHIC MAP

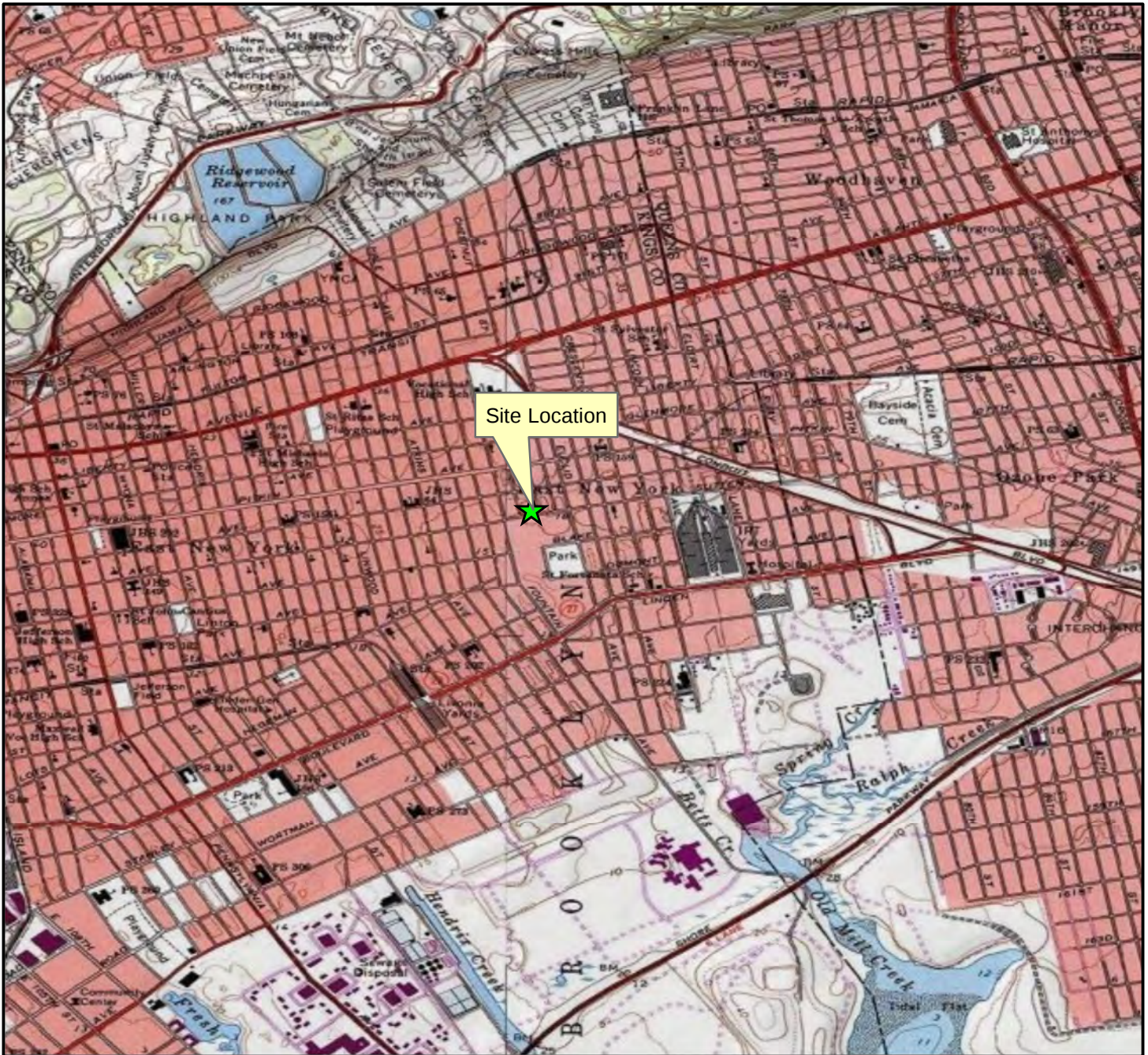
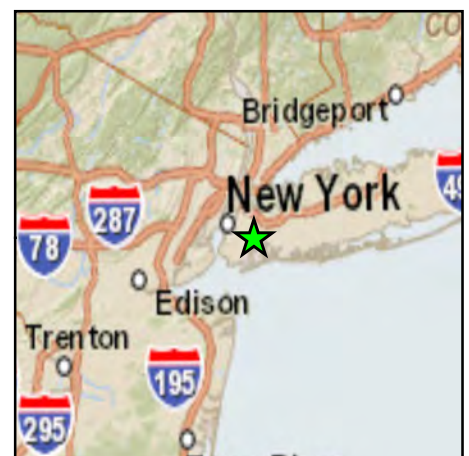


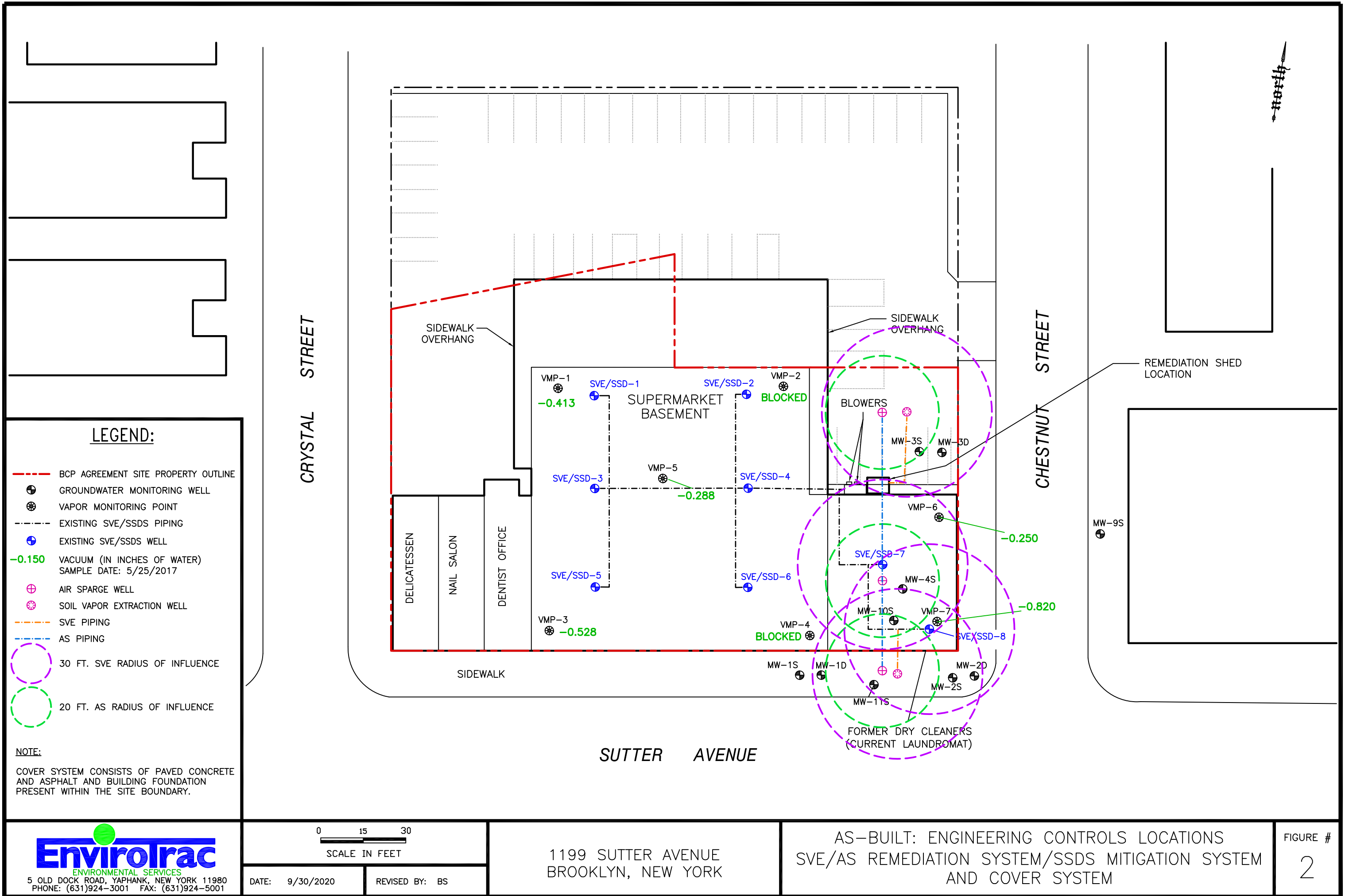
Figure 1
Topographic Map
1199 Sutter Avenue
Brooklyn, NY 11208

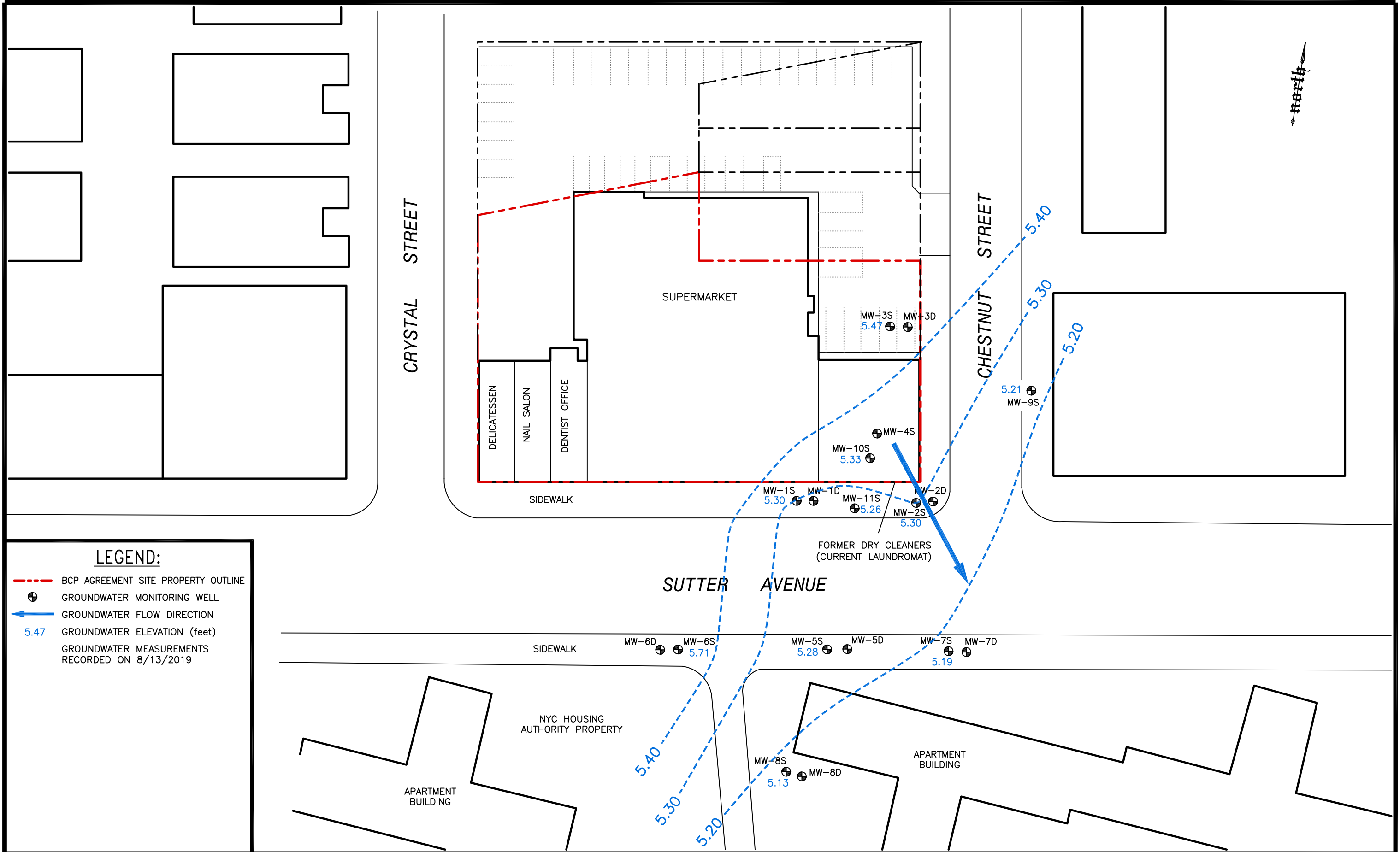
USGS Quadrangle:
Brooklyn
Approx. Elevation:
19 feet



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

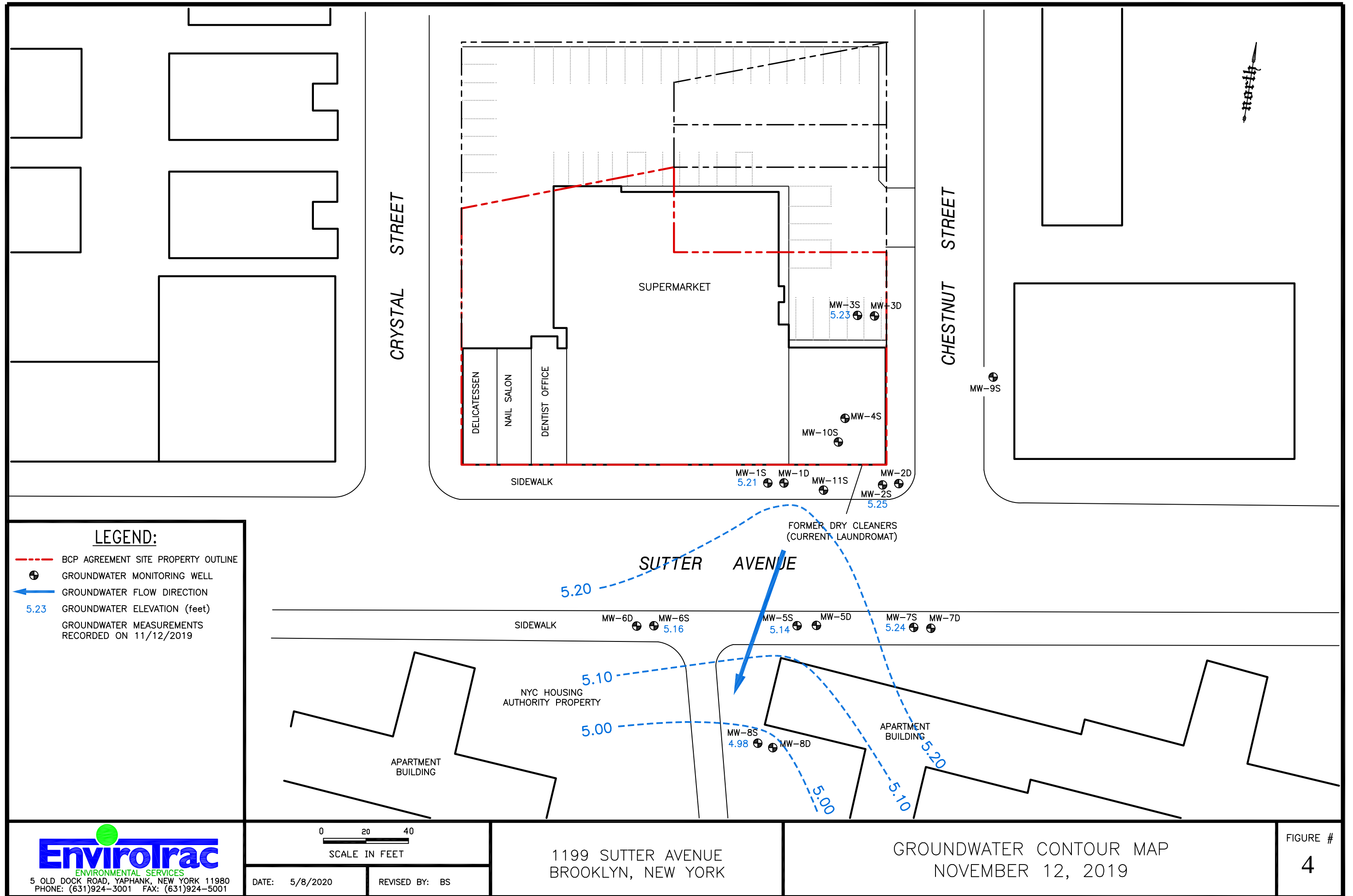


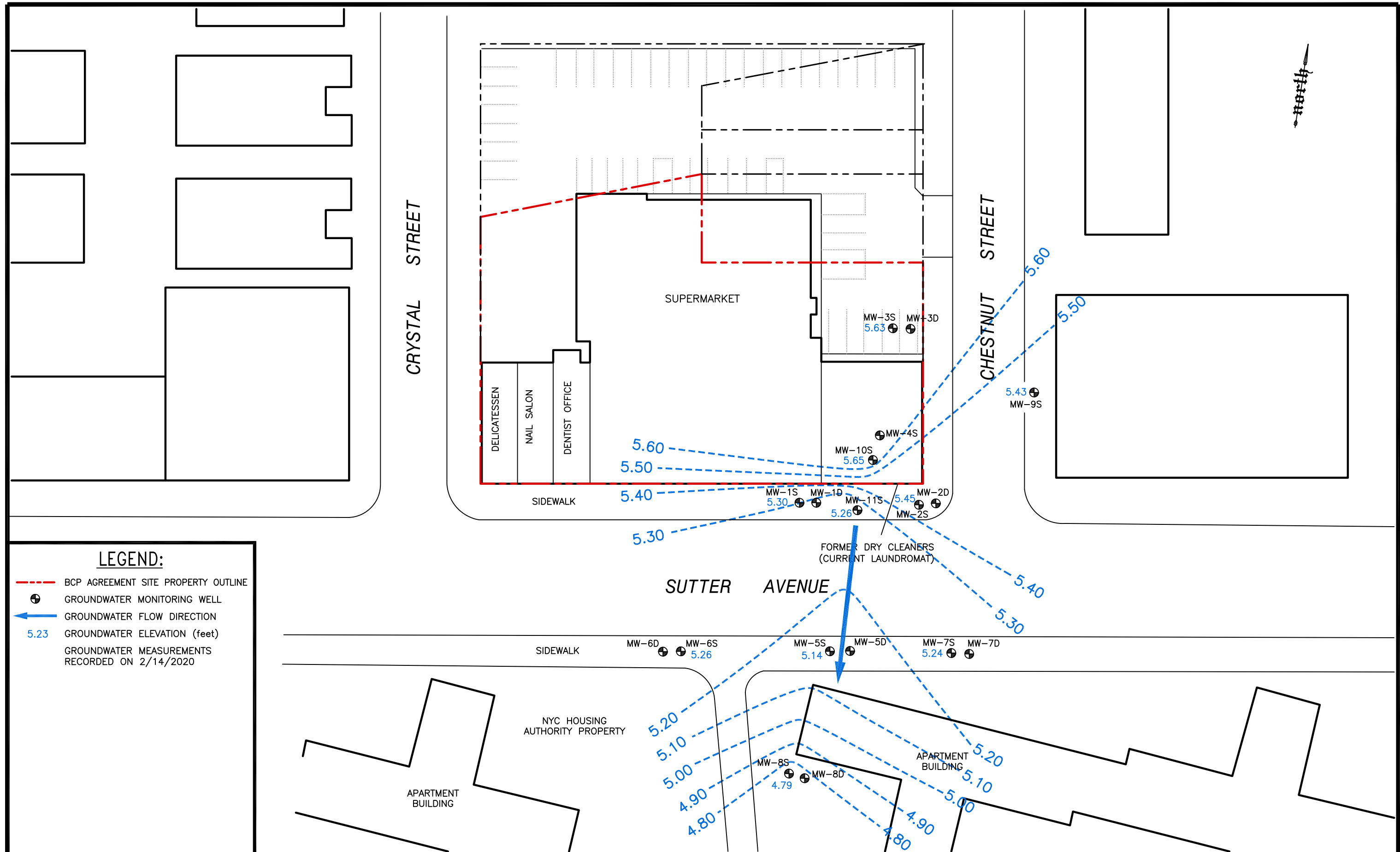


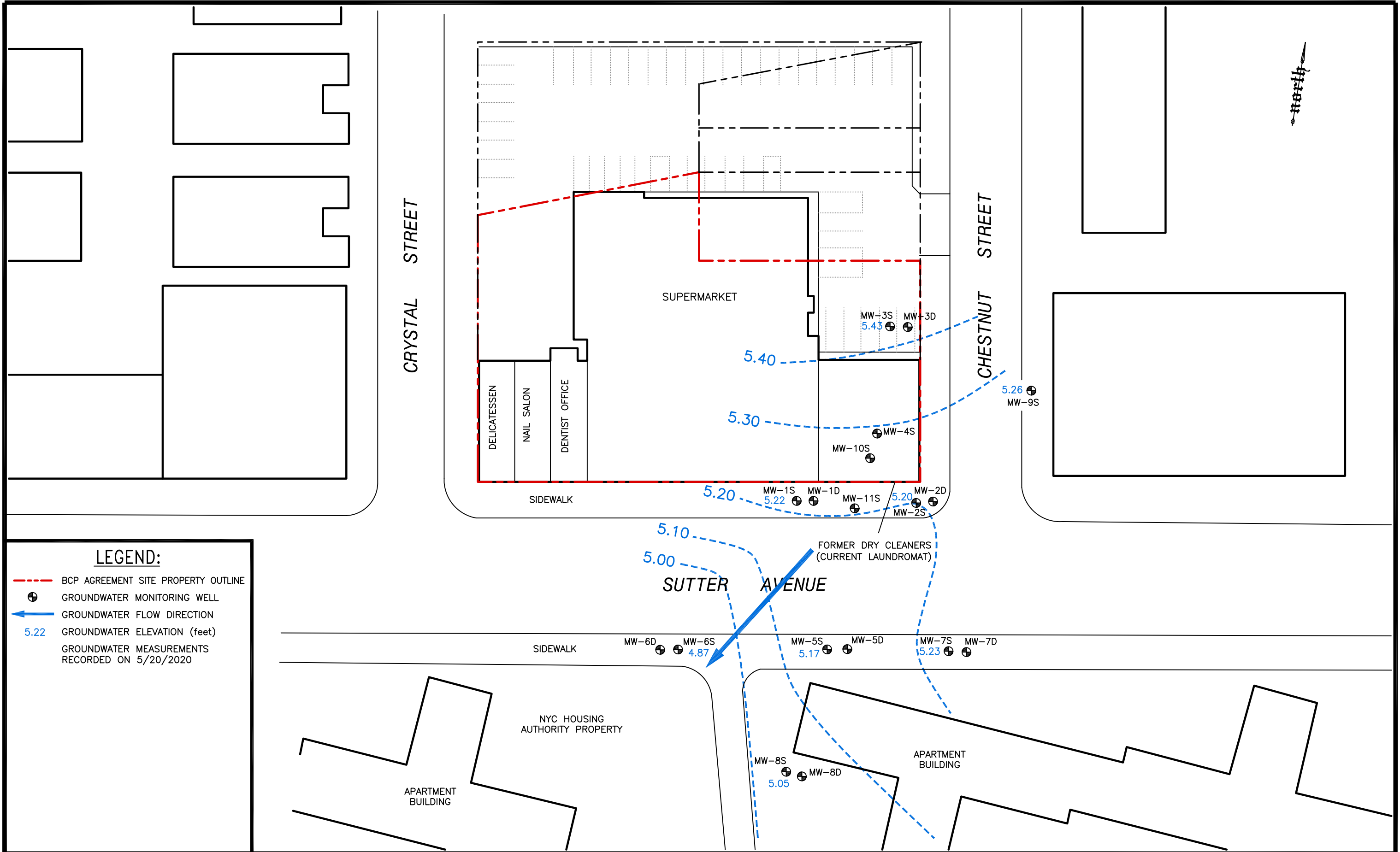


LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- ⊕ GROUNDWATER MONITORING WELL
- GROUNDWATER FLOW DIRECTION
- 5.47 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 8/13/2019

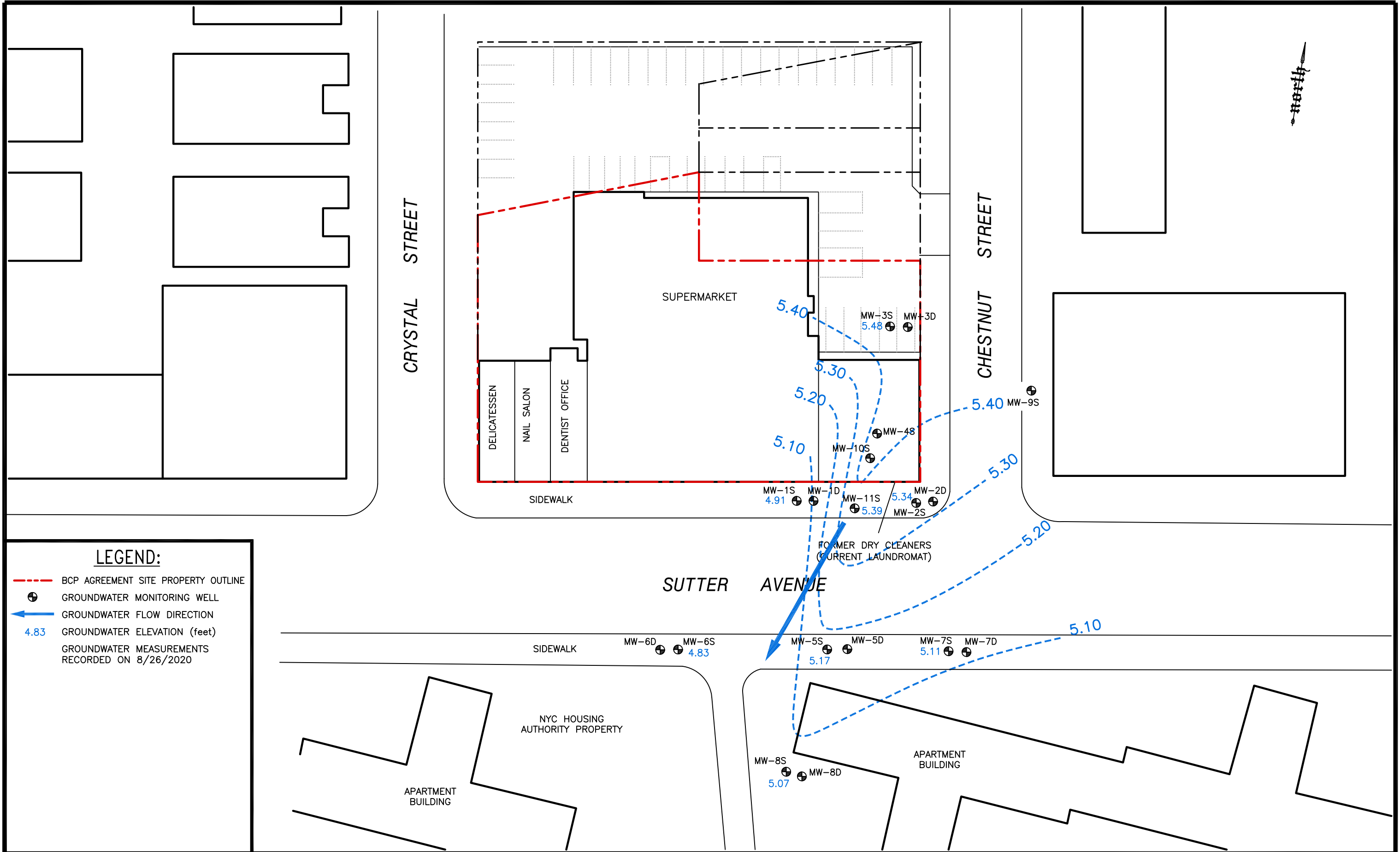






LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- ⊕ GROUNDWATER MONITORING WELL
- ← GROUNDWATER FLOW DIRECTION
- 5.22 GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 5/20/2020



LEGEND:

- BCP AGREEMENT SITE PROPERTY OUTLINE
- GROUNDWATER MONITORING WELL
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION (feet)
- GROUNDWATER MEASUREMENTS RECORDED ON 8/26/2020



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

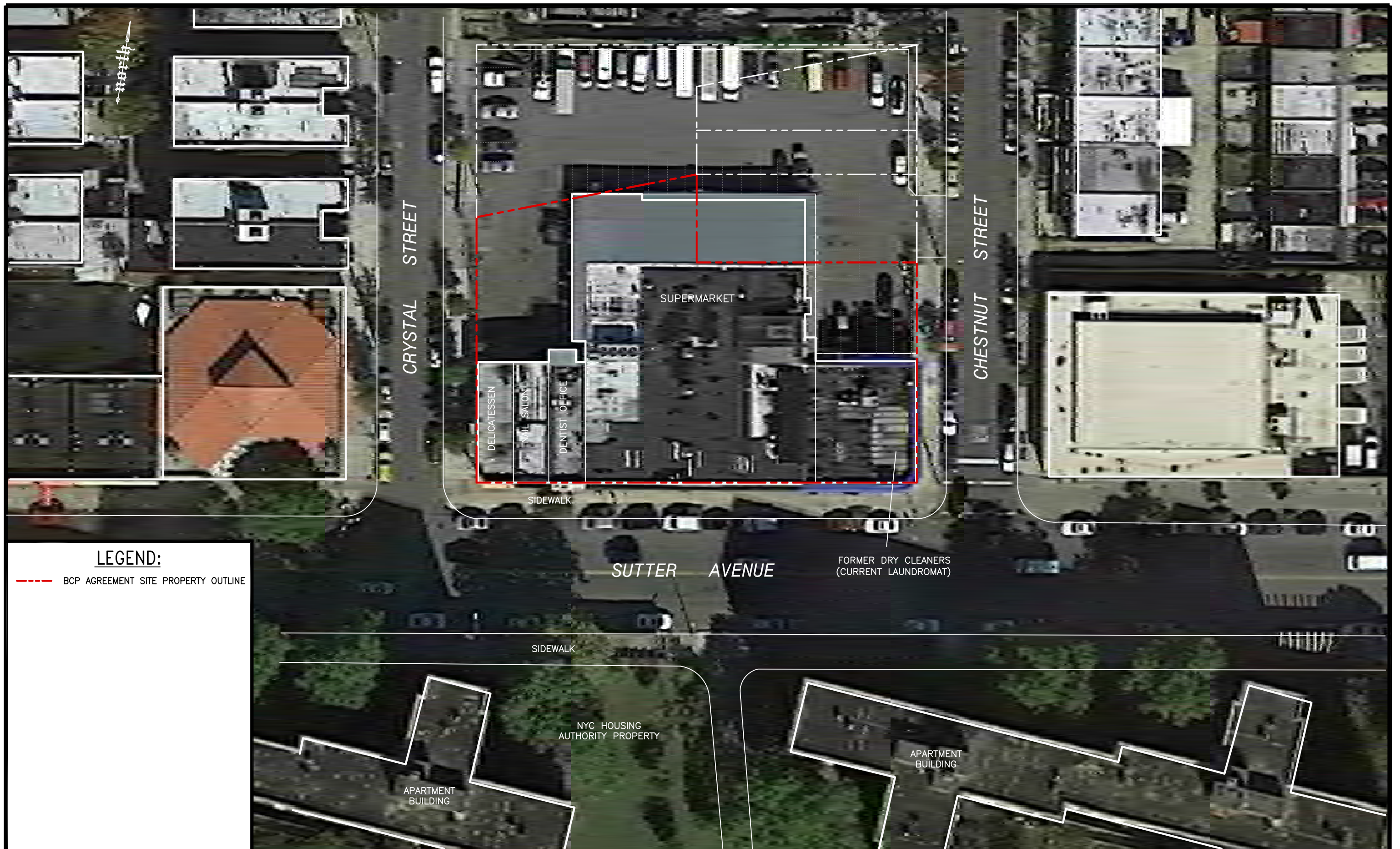
REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
AUGUST 26, 2020

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	8/28/2020
Volatile Organic Compounds (in micrograms per cubic meter of air)	
Acetone	22.40
Bromodichloromethane	2.60
Chloroform	79.4
Chloromethane	2.2
cis-1,2-Dichloroethylene	25.7
Dichlorodifluoromethane	15.9
Ethanol	6.0
Methyl ethyl ketone	4.20
Propanol	10.60
Tetrachloroethene	1,290
Trichloroethene	41.9
Trichlorofluoromethane	9.9

Note:

Only detected analytes are reported.



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

Sample Date August 28, 2020

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 385.3×10^6 dscf/lb-mole @ 68 F.

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

Compound	MW	PPBv	PPM	CFM	Lbs/Hr	Lbs/Hr	Tons/Yr
Acetone	58.08	9.30	0.0093	160	1.346E-05	0.00001	5.89E-05
Bromodichloromethane	163.80	0.38	0.00038	160	1.551E-06	0.00000	6.79E-06
Chloroform	119.38	16.00	0.016	160	4.759E-05	0.00005	2.08E-04
Chloromethane	50.49	1.00	0.001	160	1.258E-06	0.00000	5.51E-06
Dichlorodifluoromethane	120.91	3.2	0.0032	160	9.640E-06	0.00001	4.22E-05
cis-1,2-Dichloroethylene	96.94	6.4	0.0064	160	1.546E-05	0.00002	6.77E-05
Ethanol	46.07	3.1	0.0031	160	3.558E-06	0.00000	1.56E-05
Methyl ethyl ketone	72.11	1.5	0.0015	160	2.695E-06	0.00000	1.18E-05
2-Propanol	60.10	4.2	0.0042	160	6.289E-06	0.00001	2.75E-05
Tetrachloroethylene	165.83	187	0.187	160	7.726E-04	0.00077	3.38E-03
Trichloroethylene	131.39	7.7	0.0077	160	2.521E-05	0.00003	1.10E-04
Trichlorofluoromethane	137.37	1.7	0.0017	160	5.819E-06	0.00001	2.55E-05

Total Lbs/Hr: 0.00091



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

Location ID	Vacuum (inches of water)
Date	8/28/2020
VMP-1	0.413
VMP-2	Blocked
VMP-3	0.528
VMP-4	Blocked
VMP-5	0.288
VMP-6	0.25
VMP-7	0.82

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 grade)	Water Table Elevation (in feet above mean sea level)
MW-1S	17.51	8/13/2019	12.21	NM	5.30
		11/12/2019	12.30	NM	5.21
		2/14/2020	12.21	25.00	5.30
		5/20/2020	12.29	NM	5.22
		8/26/2020	12.60	NM	4.91
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:

DTW = Depth to water

DTB = Depth to bottom



Table 5
Summary of Groundwater Monitoring Results
April 2016 - August 2020
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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)											
Acetone	ND	ND	ND	ND	18.4	ND	ND	ND	ND	ND	50
Chloroform	30.0	ND	ND	ND	ND	1.00	1.50	5.30	7.10	3.70	7
cis-1,2-Dichloroethylene	0.71 J	ND	ND	ND	ND	1.70	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	5*
Trichloroethene	3.2	2.1	2.8	1.3	ND	1.2	ND	ND	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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)											
Acetone	ND	8.90	ND	ND	13.4	ND	ND	ND	ND	ND	
Chloroform	13.0	ND	ND	ND	ND	8.40	2.80	7.70	5.70	4.90	7
cis-1,2-Dichloroethylene	0.20 J	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	5*
Trichloroethene	0.36 J	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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)											
Acetone	ND	ND	ND	ND	12.4	ND	6.70	ND	ND	ND	
Chloroform	3.00 J	1.50	1.40	ND	ND	ND	ND	ND	3.30	2.70	7
Chloromethane	ND	ND	ND	ND	ND	ND	1.40	ND	ND	ND	5*
cis-1,2-Dichloroethylene	2.60	ND	6.10	5.10	5.30	ND	ND	ND	ND	ND	5*
Tetrachloroethene	390	575	363	441	719	111	112	78.8	59.8	47.1	5*
Trichloroethene	14.0	21.0	16.2	13.4	16.2	2.20	2.00	1.10	ND	ND	5*

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

Sample ID	MW-5S										NYSDEC Groundwater Standards
Sample Date	4/6/2016	5/17/2017	6/27/2017	7/27/2017	8/29/2017	8/13/2019	11/22/2019	2/14/2020	5/20/2020	8/26/2020	
Volatile Organic Compounds (in micrograms per liter)											
Acetone	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND	50
Chloroform	2.40 J	ND	ND	ND	ND	8.30	4.30	8.00	7.70	5.10	7
cis-1,2-Dichloroethylene	5.10	ND	5.30	4.80	ND	2.20	ND	ND	ND	ND	5*
Tetrachloroethene	200	122	128	136	258	45.1	17.3	12.3	14.3	6.80	5*
Trichloroethene	10.0	7.40	8.20	7.30	9.60	2.40	1.20	ND	ND	ND	5*

Sample ID	MW-8S										NYSDEC Groundwater Standards
Sample Date	4/6/2016	5/17/2017	6/27/2017	7/27/2017	8/29/2017	8/13/2019	11/22/2019	2/14/2020	5/20/2020	8/26/2020	
Volatile Organic Compounds (in micrograms per liter)											
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	3.30 J	ND	ND	ND	ND	ND	ND	1.00	ND	1.30	7
cis-1,2-Dichloroethylene	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethene	12.0	5.50	4.30	4.40	8.40	13.9	6.40	6.80	8.30	5.20	5*
Trichloroethene	0.62 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*

Notes:

Only detected analytes are reported.

ND = Not Detected

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.



APPENDICES

APPENDIX A

SVE Operations and Maintenance Logs – January 2019 – August 2020



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: 14-Feb
Weather / Temp: Clear / 33 DEG F
Technician / Operator: JW,JL

Soil Vapor Extraction System								
System Total Air Flow Rate (cfm)	240			Fresh Air Valve Open (%)	0			
Vacuum Before Air Filter ("H2O)	80			B- 1 Effluent Pressure ("H2O)	5			
Blower (B-1) Vacuum ("H2O)	83			B- 1 Effluent PID (ppm)	0.0			
B- 1 Influent Temp (deg F)	46			B-1 Effluent Sample Taken? (Y or N)	N			
B- 1 Effluent Temp (deg F)	142			B-1 Run Time (hrs)	0			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	40	56	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	70	34	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	78	42	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	74	55	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	75			
C-1 Pressure (psi)	7.5			Heat Exchanger Effluent Temp (deg F)	54			
C-1 Run Time (hrs)	0							
AS Manifold Legs - Pressure								
AS-2 (psi)	3							
AS-1 (psi)	3							
AS-3 (psi)	3							
Vacuum Influence Monitoring								
VMP-1 ("H2O)	NM			VMP-5 ("H2O)	NM			
VMP-2 ("H2O)	NM			VMP-6 ("H2O)	0.177			
VMP-3 ("H2O)	NM			VMP-7 ("H2O)	0.375			
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: 21-Feb
Weather / Temp: Clear / 33 DEG F
Technician / Operator: JFO

Soil Vapor Extraction System								
System Total Air Flow Rate (cfm)	255			Fresh Air Valve Open (%)	0			
Vacuum Before Air Filter ("H2O)	80			B- 1 Effluent Pressure ("H2O)	4			
Blower (B-1) Vacuum ("H2O)	75			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)	145			B-1 Run Time (hrs)	163.8			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	40	65	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	68	68	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	76	52	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	72	70	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	27			Heat Exchanger Influent Temp (deg F)	150			
C-1 Pressure (psi)	7			Heat Exchanger Effluent Temp (deg F)	75			
C-1 Run Time (hrs)	4							
AS Manifold Legs - Pressure								
AS-2 (psi)	2							
AS-1 (psi)	4							
AS-3 (psi)	2							
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: 28-Feb
Weather / Temp: Clear / 35 DEG F
Technician / Operator: JW

Soil Vapor Extraction System								
System Total Air Flow Rate (cfm)	187			Fresh Air Valve Open (%)	0			
Vacuum Before Air Filter ("H2O)	80			B- 1 Effluent Pressure ("H2O)	6			
Blower (B-1) Vacuum ("H2O)	83			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)	146			B-1 Run Time (hrs)	335.2			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	42	52	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	68	32	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	76	46	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	72	57	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	27			Heat Exchanger Influent Temp (deg F)	82			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	58			
C-1 Run Time (hrs)	111.1							
AS Manifold Legs - Pressure								
AS-2 (psi)	4							
AS-1 (psi)	5							
AS-3 (psi)	5							
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: 7-Mar
Weather / Temp: Clear / 30 DEG F
Technician / Operator: JW

Soil Vapor Extraction System									
System Total Air Flow Rate (cfm)		187			Fresh Air Valve Open (%)		0		
Vacuum Before Air Filter ("H2O)		80			B- 1 Effluent Pressure ("H2O)		6		
Blower (B-1) Vacuum ("H2O)		84			B- 1 Effluent PID (ppm)		0.0		
B- 1 Influent Temp (deg F)		46			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		146			B-1 Run Time (hrs)		499.4		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7 ("H2O)/(cfm)/(ppm)		42	53	0.0	SVE-9 ("H2O)/(cfm)/(ppm)		66	30	0.0
SVE-8 ("H2O)/(cfm)/(ppm)		76	48	0.0	SVE-10 ("H2O)/(cfm)/(ppm)		72	56	0.0
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)		27			Heat Exchanger Influent Temp (deg F)		65		
C-1 Pressure (psi)		8.5			Heat Exchanger Effluent Temp (deg F)		57		
C-1 Run Time (hrs)		213.7							
AS Manifold Legs - Pressure									
AS-2 (psi)		4.5							
AS-1 (psi)		5							
AS-3 (psi)		4.5							
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

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1199 Sutter Avenue
Brooklyn, NY

EnviroTrac Environmental Services

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

Date: 13-Mar
Weather / Temp: Clear / 45 DEG F
Technician / Operator: JW

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)			6		
Blower (B-1) Vacuum ("H2O)	83			B- 1 Effluent PID (ppm)			0.0		
B- 1 Influent Temp (deg F)	56			B-1 Effluent Sample Taken? (Y or N)			N		
B- 1 Effluent Temp (deg F)	156			B-1 Run Time (hrs)			646.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7 ("H2O)/(cfm)/(ppm)	42	52	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	67	32	0.0		
SVE-8 ("H2O)/(cfm)/(ppm)	76	46	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	72	56	0.0		
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)	27			Heat Exchanger Influent Temp (deg F)			110		
C-1 Pressure (psi)	7			Heat Exchanger Effluent Temp (deg F)			86		
C-1 Run Time (hrs)	335.6								
AS Manifold Legs - Pressure									
AS-2 (psi)	4								
AS-1 (psi)	4								
AS-3 (psi)	3.5								
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: 10-Apr
Weather / Temp: Clear / 49 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)	18.8			
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)	1,318.6			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	42	60	10.3	SVE-9 ("H2O)/(cfm)/(ppm)	68	38	60.1	
SVE-8 ("H2O)/(cfm)/(ppm)	78	56	8.3	SVE-10 ("H2O)/(cfm)/(ppm)	73	62	19.2	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	95			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	85			
C-1 Run Time (hrs)	892.1							
AS Manifold Legs - Pressure								
AS-2 (psi)	5							
AS-1 (psi)	5							
AS-3 (psi)	5							
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: 22-May
Weather / Temp: Clear / 65 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)	78			B- 1 Effluent Pressure ("H2O)	5			
Blower (B-1) Vacuum ("H2O)	82			B- 1 Effluent PID (ppm)	17.0			
B- 1 Influent Temp (deg F)	75			B-1 Effluent Sample Taken? (Y or N)	N			
B- 1 Effluent Temp (deg F)	175			B-1 Run Time (hrs)	2,326.4			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	64	80	4.6	SVE-9 ("H2O)/(cfm)/(ppm)	68	35	10.2	
SVE-8 ("H2O)/(cfm)/(ppm)	70	110	6.3	SVE-10 ("H2O)/(cfm)/(ppm)	69	52	6.8	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	120			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	100			
C-1 Run Time (hrs)	1,814.6							
AS Manifold Legs - Pressure								
AS-2 (psi)	5							
AS-1 (psi)	5							
AS-3 (psi)	5							
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 high temp alarm on upon arrival, reset breaker for air cooler fan and restarted AS compressor.

Date:

27-Jun

Weather / Temp:

Clear / 85 DEG F

Technician / Operator:

JL

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)	6		
Blower (B-1) Vacuum ("H2O)	80			B- 1 Effluent PID (ppm)	16.2		
B- 1 Influent Temp (deg F)	69			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	168			B-1 Run Time (hrs)	3,186.3		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	70	78	4.1	SVE-9 ("H2O)/(cfm)/(ppm)	70	38	4.7
SVE-8 ("H2O)/(cfm)/(ppm)	72	46	7.1	SVE-10 ("H2O)/(cfm)/(ppm)	68	56	5.8
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	26			Heat Exchanger Influent Temp (deg F)	90		
C-1 Pressure (psi)	8.5			Heat Exchanger Effluent Temp (deg F)	100		
C-1 Run Time (hrs)	1,837.8						
AS Manifold Legs - Pressure							
AS-2 (psi)	4.5						
AS-1 (psi)	4.5						
AS-3 (psi)	5						
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: 8-Jul
Weather / Temp: Clear / 85 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)	78			B- 1 Effluent Pressure ("H2O)		6		
Blower (B-1) Vacuum ("H2O)	80			B- 1 Effluent PID (ppb)		500.0		
B- 1 Influent Temp (deg F)	70			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)	170			B-1 Run Time (hrs)		3,455.4		
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppb)	70	70	828.0	SVE-9 ("H2O)/(cfm)/(ppb)	70	32	983.0	
SVE-8 ("H2O)/(cfm)/(ppb)	72	50	763.0	SVE-10 ("H2O)/(cfm)/(ppb)	68	50	819.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	26			Heat Exchanger Influent Temp (deg F)		100		
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)		95		
C-1 Run Time (hrs)	1,842.9							
AS Manifold Legs - Pressure								
AS-2 (psi)	1							
AS-1 (psi)	4							
AS-3 (psi)	5							
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 High Temp Alarm on upon arrival.

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: 13-Aug
Weather / Temp: Clear / 80 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)		4		
Blower (B-1) Vacuum ("H2O)		84			B- 1 Effluent PID (ppm)		2.1		
B- 1 Influent Temp (deg F)		70			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		175			B-1 Run Time (hrs)		4,311.5		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7 ("H2O)/(cfm)/(ppm)		70	65	0.7	SVE-9 ("H2O)/(cfm)/(ppm)		70	42	5.2
SVE-8 ("H2O)/(cfm)/(ppm)		72	50	1.2	SVE-10 ("H2O)/(cfm)/(ppm)		69	64	2.5
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)		28			Heat Exchanger Influent Temp (deg F)		105		
C-1 Pressure (psi)		7			Heat Exchanger Effluent Temp (deg F)		90		
C-1 Run Time (hrs)		1,849.9							
AS Manifold Legs - Pressure									
AS-2 (psi)		4							
AS-1 (psi)		5							
AS-3 (psi)		5							
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: 24-Sep
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)	76			B- 1 Effluent Pressure ("H2O)	4		
Blower (B-1) Vacuum ("H2O)	80			B- 1 Effluent PID (ppm)	5.3		
B- 1 Influent Temp (deg F)	60			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	170			B-1 Run Time (hrs)	5,313.5		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	50	70	4.2	SVE-9 ("H2O)/(cfm)/(ppm)	70	40	13.7
SVE-8 ("H2O)/(cfm)/(ppm)	72	50	3.4	SVE-10 ("H2O)/(cfm)/(ppm)	66	40	7.8
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	125		
C-1 Pressure (psi)	7.5			Heat Exchanger Effluent Temp (deg F)	100		
C-1 Run Time (hrs)	2,375.7						
AS Manifold Legs - Pressure							
AS-2 (psi)	3						
AS-1 (psi)	4						
AS-3 (psi)	3						
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: 23-Oct
Weather / Temp: Clear / 60 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)	84			B- 1 Effluent PID (ppm)	1.0			
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)	6,037.3			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	70	60	1.2	SVE-9 ("H2O)/(cfm)/(ppm)	70	40	2.2	
SVE-8 ("H2O)/(cfm)/(ppm)	70	50	1.2	SVE-10 ("H2O)/(cfm)/(ppm)	70	30	1.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	120			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	80			
C-1 Run Time (hrs)	2,857.7							
AS Manifold Legs - Pressure								
AS-2 (psi)	6							
AS-1 (psi)	7							
AS-3 (psi)	6							
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

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1199 Sutter Avenue
Brooklyn, NY

EnviroTrac Environmental Services

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

Date: 10-Dec
Weather / Temp: Rain / 55 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)	78			B- 1 Effluent Pressure ("H2O)	5		
Blower (B-1) Vacuum ("H2O)	80			B- 1 Effluent PID (ppm)	1.0		
B- 1 Influent Temp (deg F)	45			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	150			B-1 Run Time (hrs)	7,163.9		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	70	60	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	70	50	0.0
SVE-8 ("H2O)/(cfm)/(ppm)	70	52	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	68	50	0.0
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)	75		
C-1 Pressure (psi)	7			Heat Exchanger Effluent Temp (deg F)	90		
C-1 Run Time (hrs)	3,606.4						
AS Manifold Legs - Pressure							
AS-2 (psi)	4						
AS-1 (psi)	5						
AS-3 (psi)	5						
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: 22-Jan
Weather / Temp: Clear / 35 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)		82			B- 1 Effluent Pressure ("H2O)		2		
Blower (B-1) Vacuum ("H2O)		86			B- 1 Effluent PID (ppm)		0.1		
B- 1 Influent Temp (deg F)		48			B-1 Effluent Sample Taken? (Y or N)		N		
B- 1 Effluent Temp (deg F)		120			B-1 Run Time (hrs)		8,193.0		
SVE Manifold Legs - Vacuum/Flow Rate/PID									
SVE-7 ("H2O)/(cfm)/(ppm)		74	50	0.0	SVE-9 ("H2O)/(cfm)/(ppm)		70	48	0.0
SVE-8 ("H2O)/(cfm)/(ppm)		76	55	0.1	SVE-10 ("H2O)/(cfm)/(ppm)		58	40	0.2
Air Sparge System									
Compressor (C-1) Influent Flow Rate (cfm)		17.5			Heat Exchanger Influent Temp (deg F)		60		
C-1 Pressure (psi)		9			Heat Exchanger Effluent Temp (deg F)		70		
C-1 Run Time (hrs)		4,293.4							
AS Manifold Legs - Pressure									
AS-2 (psi)		4							
AS-1 (psi)		4							
AS-3 (psi)		5							
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: 14-Feb
Weather / Temp: Cloudy / 45 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)	82			B- 1 Effluent Pressure ("H2O)	8			
Blower (B-1) Vacuum ("H2O)	82			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)	8,744.8			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	76	45	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	70	40	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	78	50	0.5	SVE-10 ("H2O)/(cfm)/(ppm)	35	49	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	24			Heat Exchanger Influent Temp (deg F)	110			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	75			
C-1 Run Time (hrs)	4,658.6							
AS Manifold Legs - Pressure								
AS-2 (psi)	3							
AS-1 (psi)	4							
AS-3 (psi)	4							
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

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1199 Sutter Avenue
Brooklyn, NY

EnviroTrac Environmental Services

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

Date: 11-Mar
Weather / Temp: Clear / 50 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)	84			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)		9,364.1		
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	70	60	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	68	50	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	74	58	0.5	SVE-10 ("H2O)/(cfm)/(ppm)	24	72	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	28			Heat Exchanger Influent Temp (deg F)		120		
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)		100		
C-1 Run Time (hrs)	5,072.5							
AS Manifold Legs - Pressure								
AS-2 (psi)	4							
AS-1 (psi)	5							
AS-3 (psi)	4							
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: 23-Apr
Weather / Temp: Rain / 42 DEG F
Technician / Operator: JO

Soil Vapor Extraction System								
System Total Air Flow Rate (cfm)	150			Fresh Air Valve Open (%)	0			
Vacuum Before Air Filter ("H2O)	85			B- 1 Effluent Pressure ("H2O)	2			
Blower (B-1) Vacuum ("H2O)	89			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)	160			B-1 Run Time (hrs)	10,392.3			
SVE Manifold Legs - Vacuum/Flow Rate/PID								
SVE-7 ("H2O)/(cfm)/(ppm)	80	50	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	70	50	0.0	
SVE-8 ("H2O)/(cfm)/(ppm)	80	55	0.0	SVE-10 ("H2O)/(cfm)/(ppm)	20	65	0.0	
Air Sparge System								
Compressor (C-1) Influent Flow Rate (cfm)	25.1			Heat Exchanger Influent Temp (deg F)	95			
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	85			
C-1 Run Time (hrs)	5,757.4							
AS Manifold Legs - Pressure								
AS-2 (psi)	6							
AS-1 (psi)	6							
AS-3 (psi)	7							
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: 20-May
Weather / Temp: Clear / 59 DEG F
Technician / Operator: JO

Soil Vapor Extraction System							
System Total Air Flow Rate (cfm)	150			Fresh Air Valve Open (%)	0		
Vacuum Before Air Filter ("H2O)	80			B- 1 Effluent Pressure ("H2O)	4		
Blower (B-1) Vacuum ("H2O)	82			B- 1 Effluent PID (ppb)	295		
B- 1 Influent Temp (deg F)	60			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	175			B-1 Run Time (hrs)	11,032.5		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppb)	80	45	302	SVE-9 ("H2O)/(cfm)/(ppb)	65	50	327
SVE-8 ("H2O)/(cfm)/(ppb)	80	38	272	SVE-10 ("H2O)/(cfm)/(ppb)	60	42	101
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	24			Heat Exchanger Influent Temp (deg F)	120		
C-1 Pressure (psi)	8			Heat Exchanger Effluent Temp (deg F)	100		
C-1 Run Time (hrs)	6,184.0						
AS Manifold Legs - Pressure							
AS-2 (psi)	4						
AS-1 (psi)	4						
AS-3 (psi)	4						
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: 29-Jun
Weather / Temp: Clear / 70 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)	4		
Blower (B-1) Vacuum ("H2O)	80			B- 1 Effluent PID (ppm)	0.3		
B- 1 Influent Temp (deg F)	75			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	165			B-1 Run Time (hrs)	11,991.8		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	75	54	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	62	55	0.8
SVE-8 ("H2O)/(cfm)/(ppm)	75	60	0.4	SVE-10 ("H2O)/(cfm)/(ppm)	70	65	0.3
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	0			Heat Exchanger Influent Temp (deg F)	95		
C-1 Pressure (psi)	0			Heat Exchanger Effluent Temp (deg F)	100		
C-1 Run Time (hrs)	6,824.4						
AS Manifold Legs - Pressure							
AS-2 (psi)	0						
AS-1 (psi)	0						
AS-3 (psi)	0						
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 not producing pressure or flow indicating carbon vanes need to be replaced, left AS system off.

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: 24-Jul
Weather / Temp: Cloudy / 80 DEG F
Technician / Operator: JO

Soil Vapor Extraction System							
System Total Air Flow Rate (cfm)	150			Fresh Air Valve Open (%)	0		
Vacuum Before Air Filter ("H2O)	90			B- 1 Effluent Pressure ("H2O)	2		
Blower (B-1) Vacuum ("H2O)	90			B- 1 Effluent PID (ppm)	0.4		
B- 1 Influent Temp (deg F)	125			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	170			B-1 Run Time (hrs)	12,567.9		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	80	55	0.1	SVE-9 ("H2O)/(cfm)/(ppm)	50	55	0.0
SVE-8 ("H2O)/(cfm)/(ppm)	80	60	0.1	SVE-10 ("H2O)/(cfm)/(ppm)	75	65	0.1
Air Sparge System							
Compressor (C-1) Influent Flow Rate (cfm)	0			Heat Exchanger Influent Temp (deg F)	100		
C-1 Pressure (psi)	0			Heat Exchanger Effluent Temp (deg F)	100		
C-1 Run Time (hrs)	6,824.4						
AS Manifold Legs - Pressure							
AS-2 (psi)	0						
AS-1 (psi)	0						
AS-3 (psi)	0						
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: 28-Aug
Weather / Temp: Clear / 85 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)	82			B- 1 Effluent Pressure ("H2O)	4		
Blower (B-1) Vacuum ("H2O)	84			B- 1 Effluent PID (ppm)	0.4		
B- 1 Influent Temp (deg F)	70			B-1 Effluent Sample Taken? (Y or N)	N		
B- 1 Effluent Temp (deg F)	170			B-1 Run Time (hrs)	13,424.7		
SVE Manifold Legs - Vacuum/Flow Rate/PID							
SVE-7 ("H2O)/(cfm)/(ppm)	74	45	0.0	SVE-9 ("H2O)/(cfm)/(ppm)	70	48	0.3
SVE-8 ("H2O)/(cfm)/(ppm)	75	50	0.2	SVE-10 ("H2O)/(cfm)/(ppm)	74	70	0.4
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.

Collected effluent air sample.

APPENDIX B

Laboratory Reports



September 16, 2020

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: 1199 SUTTER AVE 8/28
Pace Project No.: 70144646

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on September 03, 2020. 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

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
Mr. Dan Ruffini, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Pace Analytical Services - Minneapolis MN

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
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
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 #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 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 #: CL101
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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70144646001	SVE EFFLUENT	TO-15	AC1	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Method: TO-15

Description: TO15 MSV AIR

Client: EnviroTrac Ltd.

Date: September 16, 2020

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.

Duplicate Sample:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Sample: SVE EFFLUENT		Lab ID: 70144646001		Collected: 08/28/20 11:45		Received: 09/03/20 14:00		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	22.4	ug/m3	8.4	1.39		09/13/20 01:53	67-64-1		
Benzene	<0.45	ug/m3	0.45	1.39		09/13/20 01:53	71-43-2		
Benzyl chloride	<3.7	ug/m3	3.7	1.39		09/13/20 01:53	100-44-7		
Bromodichloromethane	2.6	ug/m3	1.9	1.39		09/13/20 01:53	75-27-4		
Bromoform	<7.3	ug/m3	7.3	1.39		09/13/20 01:53	75-25-2		
Bromomethane	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	74-83-9		
1,3-Butadiene	<0.63	ug/m3	0.63	1.39		09/13/20 01:53	106-99-0		
2-Butanone (MEK)	4.6	ug/m3	4.2	1.39		09/13/20 01:53	78-93-3		
Carbon disulfide	<0.88	ug/m3	0.88	1.39		09/13/20 01:53	75-15-0		
Carbon tetrachloride	<1.8	ug/m3	1.8	1.39		09/13/20 01:53	56-23-5		
Chlorobenzene	<1.3	ug/m3	1.3	1.39		09/13/20 01:53	108-90-7		
Chloroethane	<0.75	ug/m3	0.75	1.39		09/13/20 01:53	75-00-3		
Chloroform	79.4	ug/m3	0.69	1.39		09/13/20 01:53	67-66-3		
Chloromethane	2.2	ug/m3	0.58	1.39		09/13/20 01:53	74-87-3		
Cyclohexane	<2.4	ug/m3	2.4	1.39		09/13/20 01:53	110-82-7		
Dibromochloromethane	<2.4	ug/m3	2.4	1.39		09/13/20 01:53	124-48-1		
1,2-Dibromoethane (EDB)	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	106-93-4		
1,2-Dichlorobenzene	<1.7	ug/m3	1.7	1.39		09/13/20 01:53	95-50-1		
1,3-Dichlorobenzene	<1.7	ug/m3	1.7	1.39		09/13/20 01:53	541-73-1		
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.39		09/13/20 01:53	106-46-7		
Dichlorodifluoromethane	15.9	ug/m3	1.4	1.39		09/13/20 01:53	75-71-8		
1,1-Dichloroethane	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	75-34-3		
1,2-Dichloroethane	<0.57	ug/m3	0.57	1.39		09/13/20 01:53	107-06-2		
1,1-Dichloroethene	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	75-35-4		
cis-1,2-Dichloroethene	25.7	ug/m3	1.1	1.39		09/13/20 01:53	156-59-2		
trans-1,2-Dichloroethene	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	156-60-5		
1,2-Dichloropropane	<1.3	ug/m3	1.3	1.39		09/13/20 01:53	78-87-5		
cis-1,3-Dichloropropene	<1.3	ug/m3	1.3	1.39		09/13/20 01:53	10061-01-5		
trans-1,3-Dichloropropene	<1.3	ug/m3	1.3	1.39		09/13/20 01:53	10061-02-6		
Dichlorotetrafluoroethane	<2.0	ug/m3	2.0	1.39		09/13/20 01:53	76-14-2		
Ethanol	6.0	ug/m3	2.7	1.39		09/13/20 01:53	64-17-5		
Ethyl acetate	<1.0	ug/m3	1.0	1.39		09/13/20 01:53	141-78-6		
Ethylbenzene	<1.2	ug/m3	1.2	1.39		09/13/20 01:53	100-41-4		
4-Ethyltoluene	<3.5	ug/m3	3.5	1.39		09/13/20 01:53	622-96-8		
n-Heptane	<1.2	ug/m3	1.2	1.39		09/13/20 01:53	142-82-5		
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	1.39		09/13/20 01:53	87-68-3		
n-Hexane	<1.0	ug/m3	1.0	1.39		09/13/20 01:53	110-54-3		
2-Hexanone	<5.8	ug/m3	5.8	1.39		09/13/20 01:53	591-78-6		
Methylene Chloride	<4.9	ug/m3	4.9	1.39		09/13/20 01:53	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	1.39		09/13/20 01:53	108-10-1		
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	1.39		09/13/20 01:53	1634-04-4		
Naphthalene	<3.7	ug/m3	3.7	1.39		09/13/20 01:53	91-20-3		
2-Propanol	10.6	ug/m3	3.5	1.39		09/13/20 01:53	67-63-0		
Propylene	<0.49	ug/m3	0.49	1.39		09/13/20 01:53	115-07-1		
Styrene	<1.2	ug/m3	1.2	1.39		09/13/20 01:53	100-42-5		
1,1,2,2-Tetrachloroethane	<0.97	ug/m3	0.97	1.39		09/13/20 01:53	79-34-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Sample: SVE EFFLUENT		Lab ID: 70144646001	Collected: 08/28/20 11:45	Received: 09/03/20 14:00	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	1290	ug/m3	19.2	27.8		09/13/20 10:39	127-18-4	
Tetrahydrofuran	<0.83	ug/m3	0.83	1.39		09/13/20 01:53	109-99-9	
Toluene	<1.1	ug/m3	1.1	1.39		09/13/20 01:53	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	1.39		09/13/20 01:53	120-82-1	
1,1,1-Trichloroethane	<1.5	ug/m3	1.5	1.39		09/13/20 01:53	71-55-6	
1,1,2-Trichloroethane	<0.77	ug/m3	0.77	1.39		09/13/20 01:53	79-00-5	
Trichloroethene	41.9	ug/m3	0.76	1.39		09/13/20 01:53	79-01-6	
Trichlorofluoromethane	9.9	ug/m3	1.6	1.39		09/13/20 01:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	1.39		09/13/20 01:53	76-13-1	
1,2,4-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		09/13/20 01:53	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	1.39		09/13/20 01:53	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	1.39		09/13/20 01:53	108-05-4	
Vinyl chloride	<0.36	ug/m3	0.36	1.39		09/13/20 01:53	75-01-4	
m&p-Xylene	<2.5	ug/m3	2.5	1.39		09/13/20 01:53	179601-23-1	
o-Xylene	<1.2	ug/m3	1.2	1.39		09/13/20 01:53	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28
Pace Project No.: 70144646

QC Batch: 698142	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 70144646001

METHOD BLANK: 3729925 Matrix: Air
Associated Lab Samples: 70144646001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.1	1.1	09/12/20 09:16	
1,1,2,2-Tetrachloroethane	ug/m3	<0.70	0.70	09/12/20 09:16	
1,1,2-Trichloroethane	ug/m3	<0.56	0.56	09/12/20 09:16	
1,1,2-Trichlorotrifluoroethane	ug/m3	<1.6	1.6	09/12/20 09:16	
1,1-Dichloroethane	ug/m3	<0.82	0.82	09/12/20 09:16	
1,1-Dichloroethene	ug/m3	<0.81	0.81	09/12/20 09:16	
1,2,4-Trichlorobenzene	ug/m3	<7.5	7.5	09/12/20 09:16	
1,2,4-Trimethylbenzene	ug/m3	<1.0	1.0	09/12/20 09:16	
1,2-Dibromoethane (EDB)	ug/m3	<0.78	0.78	09/12/20 09:16	
1,2-Dichlorobenzene	ug/m3	<1.2	1.2	09/12/20 09:16	
1,2-Dichloroethane	ug/m3	<0.41	0.41	09/12/20 09:16	
1,2-Dichloropropane	ug/m3	<0.94	0.94	09/12/20 09:16	
1,3,5-Trimethylbenzene	ug/m3	<1.0	1.0	09/12/20 09:16	
1,3-Butadiene	ug/m3	<0.45	0.45	09/12/20 09:16	
1,3-Dichlorobenzene	ug/m3	<1.2	1.2	09/12/20 09:16	
1,4-Dichlorobenzene	ug/m3	<3.1	3.1	09/12/20 09:16	
2-Butanone (MEK)	ug/m3	<3.0	3.0	09/12/20 09:16	
2-Hexanone	ug/m3	<4.2	4.2	09/12/20 09:16	
2-Propanol	ug/m3	<2.5	2.5	09/12/20 09:16	
4-Ethyltoluene	ug/m3	<2.5	2.5	09/12/20 09:16	
4-Methyl-2-pentanone (MIBK)	ug/m3	<4.2	4.2	09/12/20 09:16	
Acetone	ug/m3	<6.0	6.0	09/12/20 09:16	
Benzene	ug/m3	<0.32	0.32	09/12/20 09:16	
Benzyl chloride	ug/m3	<2.6	2.6	09/12/20 09:16	
Bromodichloromethane	ug/m3	<1.4	1.4	09/12/20 09:16	
Bromoform	ug/m3	<5.2	5.2	09/12/20 09:16	
Bromomethane	ug/m3	<0.79	0.79	09/12/20 09:16	
Carbon disulfide	ug/m3	<0.63	0.63	09/12/20 09:16	
Carbon tetrachloride	ug/m3	<1.3	1.3	09/12/20 09:16	
Chlorobenzene	ug/m3	<0.94	0.94	09/12/20 09:16	
Chloroethane	ug/m3	<0.54	0.54	09/12/20 09:16	
Chloroform	ug/m3	<0.50	0.50	09/12/20 09:16	
Chloromethane	ug/m3	<0.42	0.42	09/12/20 09:16	
cis-1,2-Dichloroethene	ug/m3	<0.81	0.81	09/12/20 09:16	
cis-1,3-Dichloropropene	ug/m3	<0.92	0.92	09/12/20 09:16	
Cyclohexane	ug/m3	<1.8	1.8	09/12/20 09:16	
Dibromochloromethane	ug/m3	<1.7	1.7	09/12/20 09:16	
Dichlorodifluoromethane	ug/m3	<1.0	1.0	09/12/20 09:16	
Dichlorotetrafluoroethane	ug/m3	<1.4	1.4	09/12/20 09:16	
Ethanol	ug/m3	<1.9	1.9	09/12/20 09:16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

METHOD BLANK: 3729925

Matrix: Air

Associated Lab Samples: 70144646001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.73	0.73	09/12/20 09:16	
Ethylbenzene	ug/m3	<0.88	0.88	09/12/20 09:16	
Hexachloro-1,3-butadiene	ug/m3	<5.4	5.4	09/12/20 09:16	
m&p-Xylene	ug/m3	<1.8	1.8	09/12/20 09:16	
Methyl-tert-butyl ether	ug/m3	<3.7	3.7	09/12/20 09:16	
Methylene Chloride	ug/m3	<3.5	3.5	09/12/20 09:16	
n-Heptane	ug/m3	<0.83	0.83	09/12/20 09:16	
n-Hexane	ug/m3	<0.72	0.72	09/12/20 09:16	
Naphthalene	ug/m3	<2.7	2.7	09/12/20 09:16	
o-Xylene	ug/m3	<0.88	0.88	09/12/20 09:16	
Propylene	ug/m3	<0.35	0.35	09/12/20 09:16	
Styrene	ug/m3	<0.87	0.87	09/12/20 09:16	
Tetrachloroethene	ug/m3	<0.69	0.69	09/12/20 09:16	
Tetrahydrofuran	ug/m3	<0.60	0.60	09/12/20 09:16	
Toluene	ug/m3	<0.77	0.77	09/12/20 09:16	
trans-1,2-Dichloroethene	ug/m3	<0.81	0.81	09/12/20 09:16	
trans-1,3-Dichloropropene	ug/m3	<0.92	0.92	09/12/20 09:16	
Trichloroethene	ug/m3	<0.55	0.55	09/12/20 09:16	
Trichlorofluoromethane	ug/m3	<1.1	1.1	09/12/20 09:16	
Vinyl acetate	ug/m3	<0.72	0.72	09/12/20 09:16	
Vinyl chloride	ug/m3	<0.26	0.26	09/12/20 09:16	

LABORATORY CONTROL SAMPLE: 3729926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	62.3	109	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	64.2	89	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	60.4	105	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	85.9	107	70-130	
1,1-Dichloroethane	ug/m3	42.7	46.3	108	70-130	
1,1-Dichloroethene	ug/m3	41.4	44.2	107	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	148	95	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	50.3	98	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.3	77.1	96	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	54.1	86	70-136	
1,2-Dichloroethane	ug/m3	42.4	46.4	110	70-130	
1,2-Dichloropropane	ug/m3	48.6	50.8	104	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	51.4	100	70-136	
1,3-Butadiene	ug/m3	23.3	25.3	109	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	52.0	82	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	51.7	82	70-145	
2-Butanone (MEK)	ug/m3	31.4	27.9	89	61-130	
2-Hexanone	ug/m3	42.8	46.4	109	70-138	
2-Propanol	ug/m3	119	123	103	70-136	

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

LABORATORY CONTROL SAMPLE: 3729926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	52.4	100	70-142	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	49.7	114	70-134	
Acetone	ug/m3	126	117	93	59-137	
Benzene	ug/m3	33.5	35.2	105	70-133	
Benzyl chloride	ug/m3	55.1	45.8	83	70-139	
Bromodichloromethane	ug/m3	71.5	77.6	108	70-130	
Bromoform	ug/m3	110	114	104	60-140	
Bromomethane	ug/m3	41.3	43.0	104	70-131	
Carbon disulfide	ug/m3	33.3	36.4	109	70-130	
Carbon tetrachloride	ug/m3	66.2	74.5	112	70-133	
Chlorobenzene	ug/m3	48.3	43.7	91	70-131	
Chloroethane	ug/m3	28.1	29.7	106	70-141	
Chloroform	ug/m3	51.1	55.5	109	70-130	
Chloromethane	ug/m3	21.9	24.0	109	64-137	
cis-1,2-Dichloroethene	ug/m3	41.6	45.3	109	70-132	
cis-1,3-Dichloropropene	ug/m3	47.7	51.9	109	70-138	
Cyclohexane	ug/m3	36.7	41.8	114	70-133	
Dibromochloromethane	ug/m3	90.7	99.2	109	70-139	
Dichlorodifluoromethane	ug/m3	51.6	57.4	111	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	76.8	106	65-133	
Ethanol	ug/m3	103	92.1	90	65-135	
Ethyl acetate	ug/m3	38.6	43.0	111	70-135	
Ethylbenzene	ug/m3	45.6	44.5	98	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	97.9	88	70-134	
m&p-Xylene	ug/m3	91.2	91.7	100	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	43.7	114	70-131	
Methylene Chloride	ug/m3	182	195	107	69-130	
n-Heptane	ug/m3	43.6	47.8	110	70-130	
n-Hexane	ug/m3	37.6	40.3	107	70-131	
Naphthalene	ug/m3	57.7	45.9	80	63-130	
o-Xylene	ug/m3	45.5	44.6	98	70-135	
Propylene	ug/m3	18.2	22.5	124	63-139	
Styrene	ug/m3	44.9	45.3	101	70-143	
Tetrachloroethene	ug/m3	71	70.0	98	70-136	
Tetrahydrofuran	ug/m3	31.5	37.0	117	70-137	
Toluene	ug/m3	39.5	41.8	106	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	45.2	107	70-132	
trans-1,3-Dichloropropene	ug/m3	47.7	50.6	106	70-139	
Trichloroethene	ug/m3	56.3	57.8	103	70-132	
Trichlorofluoromethane	ug/m3	59.7	64.2	108	65-136	
Vinyl acetate	ug/m3	34.5	38.7	112	66-140	
Vinyl chloride	ug/m3	26.7	29.2	110	68-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

SAMPLE DUPLICATE: 3730026

Parameter	Units	10531268001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<1.9		
1,1,2,2-Tetrachloroethane	ug/m3	ND	<1.2		
1,1,2-Trichloroethane	ug/m3	ND	<0.93		
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<2.6		
1,1-Dichloroethane	ug/m3	ND	<1.4		
1,1-Dichloroethene	ug/m3	ND	<1.4		
1,2,4-Trichlorobenzene	ug/m3	ND	<12.7		
1,2,4-Trimethylbenzene	ug/m3	ND	<1.7		
1,2-Dibromoethane (EDB)	ug/m3	ND	<1.3		
1,2-Dichlorobenzene	ug/m3	ND	<2.0		
1,2-Dichloroethane	ug/m3	ND	<0.69		
1,2-Dichloropropane	ug/m3	ND	<1.6		
1,3,5-Trimethylbenzene	ug/m3	ND	<1.7		
1,3-Butadiene	ug/m3	ND	<0.76		
1,3-Dichlorobenzene	ug/m3	ND	<2.0		
1,4-Dichlorobenzene	ug/m3	ND	<5.1		
2-Butanone (MEK)	ug/m3	ND	<5.0		
2-Hexanone	ug/m3	ND	<7.0		
2-Propanol	ug/m3	ND	<4.2		
4-Ethyltoluene	ug/m3	ND	<4.2		
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<7.0		
Acetone	ug/m3	15.1	14.5	4	
Benzene	ug/m3	ND	<0.55		
Benzyl chloride	ug/m3	ND	<4.4		
Bromodichloromethane	ug/m3	ND	<2.3		
Bromoform	ug/m3	ND	<8.8		
Bromomethane	ug/m3	ND	<1.3		
Carbon disulfide	ug/m3	ND	<1.1		
Carbon tetrachloride	ug/m3	ND	<2.2		
Chlorobenzene	ug/m3	ND	<1.6		
Chloroethane	ug/m3	ND	<0.90		
Chloroform	ug/m3	ND	<0.83		
Chloromethane	ug/m3	1.2	1.1	9	
cis-1,2-Dichloroethene	ug/m3	ND	<1.4		
cis-1,3-Dichloropropene	ug/m3	ND	<1.6		
Cyclohexane	ug/m3	ND	<2.9		
Dibromochloromethane	ug/m3	ND	<2.9		
Dichlorodifluoromethane	ug/m3	3.1	3.0	5	
Dichlorotetrafluoroethane	ug/m3	ND	<2.4		
Ethanol	ug/m3	9.0	9.1	1	
Ethyl acetate	ug/m3	ND	<1.2		
Ethylbenzene	ug/m3	ND	<1.5		
Hexachloro-1,3-butadiene	ug/m3	ND	<9.1		
m&p-Xylene	ug/m3	ND	<3.0		
Methyl-tert-butyl ether	ug/m3	ND	<6.1		
Methylene Chloride	ug/m3	ND	<5.9		
n-Heptane	ug/m3	ND	<1.4		

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

SAMPLE DUPLICATE: 3730026

Parameter	Units	10531268001 Result	Dup Result	RPD	Qualifiers
n-Hexane	ug/m3	1.4	1.4	2	
Naphthalene	ug/m3	ND	<4.5		
o-Xylene	ug/m3	ND	<1.5		
Propylene	ug/m3	ND	<0.59		
Styrene	ug/m3	ND	<1.5		
Tetrachloroethene	ug/m3	ND	<1.2		
Tetrahydrofuran	ug/m3	ND	<1.0		
Toluene	ug/m3	1.6	1.6	0	
trans-1,2-Dichloroethene	ug/m3	ND	<1.4		
trans-1,3-Dichloropropene	ug/m3	ND	<1.6		
Trichloroethene	ug/m3	ND	<0.92		
Trichlorofluoromethane	ug/m3	ND	<1.9		
Vinyl acetate	ug/m3	ND	<1.2		
Vinyl chloride	ug/m3	ND	<0.44		

SAMPLE DUPLICATE: 3730027

Parameter	Units	10531268002 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<1.9		
1,1,2,2-Tetrachloroethane	ug/m3	ND	<1.2		
1,1,2-Trichloroethane	ug/m3	ND	<0.95		
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<2.7		
1,1-Dichloroethane	ug/m3	ND	<1.4		
1,1-Dichloroethene	ug/m3	ND	<1.4		
1,2,4-Trichlorobenzene	ug/m3	ND	<12.9		
1,2,4-Trimethylbenzene	ug/m3	ND	<1.7		
1,2-Dibromoethane (EDB)	ug/m3	ND	<1.3		
1,2-Dichlorobenzene	ug/m3	ND	<2.1		
1,2-Dichloroethane	ug/m3	ND	<0.70		
1,2-Dichloropropane	ug/m3	ND	<1.6		
1,3,5-Trimethylbenzene	ug/m3	ND	<1.7		
1,3-Butadiene	ug/m3	ND	<0.77		
1,3-Dichlorobenzene	ug/m3	ND	<2.1		
1,4-Dichlorobenzene	ug/m3	ND	<5.2		
2-Butanone (MEK)	ug/m3	7.0	7.2	3	
2-Hexanone	ug/m3	ND	<7.1		
2-Propanol	ug/m3	171	183	7	
4-Ethyltoluene	ug/m3	ND	<4.3		
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<7.1		
Acetone	ug/m3	44.6	49.2	10	
Benzene	ug/m3	0.56	0.56	1	
Benzyl chloride	ug/m3	ND	<4.5		
Bromodichloromethane	ug/m3	ND	<2.3		
Bromoform	ug/m3	ND	<9.0		
Bromomethane	ug/m3	ND	<1.3		

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

SAMPLE DUPLICATE: 3730027

Parameter	Units	10531268002 Result	Dup Result	RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<1.1		
Carbon tetrachloride	ug/m3	ND	<2.2		
Chlorobenzene	ug/m3	ND	<1.6		
Chloroethane	ug/m3	ND	<0.92		
Chloroform	ug/m3	ND	<0.85		
Chloromethane	ug/m3	1.2	1.1	9	
cis-1,2-Dichloroethene	ug/m3	ND	<1.4		
cis-1,3-Dichloropropene	ug/m3	ND	<1.6		
Cyclohexane	ug/m3	ND	<3.0		
Dibromochloromethane	ug/m3	ND	<3.0		
Dichlorodifluoromethane	ug/m3	3.3	3.3	0	
Dichlorotetrafluoroethane	ug/m3	ND	<2.4		
Ethanol	ug/m3	44.7	46.6	4	
Ethyl acetate	ug/m3	ND	<1.3		
Ethylbenzene	ug/m3	ND	<1.5		
Hexachloro-1,3-butadiene	ug/m3	ND	<9.3		
m&p-Xylene	ug/m3	ND	<3.0		
Methyl-tert-butyl ether	ug/m3	ND	<6.3		
Methylene Chloride	ug/m3	ND	<6.0		
n-Heptane	ug/m3	1.9	1.6	13	
n-Hexane	ug/m3	2.5	2.6	3	
Naphthalene	ug/m3	ND	<4.5		
o-Xylene	ug/m3	ND	<1.5		
Propylene	ug/m3	ND	<0.60		
Styrene	ug/m3	ND	<1.5		
Tetrachloroethene	ug/m3	ND	<1.2		
Tetrahydrofuran	ug/m3	ND	<1.0		
Toluene	ug/m3	3.0	2.8	6	
trans-1,2-Dichloroethene	ug/m3	ND	<1.4		
trans-1,3-Dichloropropene	ug/m3	ND	<1.6		
Trichloroethene	ug/m3	ND	<0.93		
Trichlorofluoromethane	ug/m3	ND	<1.9		
Vinyl acetate	ug/m3	ND	<1.2		
Vinyl chloride	ug/m3	ND	<0.44		

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QUALIFIERS

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1199 SUTTER AVE 8/28

Pace Project No.: 70144646

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70144646001	SVE EFFLUENT	TO-15	698142		

REPORT OF LABORATORY ANALYSIS

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70144848

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

ORIGINAL



Sample Condition Upon Receipt

Project

WO#: 70144646

PM: STS

Due Date: 09/18/20

CLIENT: ENVIROTRAC

Client Name:

Envirotrac

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: +0.4

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

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: 9/3/20SP

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

Did samples originate from a foreign source (internationally, 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 MS/MSD)	☒ 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/Analysis Matrix SL W/OIL AIR		
All containers needing preservation have been checked	☐ Yes ☐ No ☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
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.

F-LI-C-002-rev.02

August 20, 2019

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: 1199 SUTTER AVE/ 01.991373.00
Pace Project No.: 70101142

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ms. Crystal Bakewicz, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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SAMPLE ANALYTE COUNT

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70101142001	MW-1S	EPA 8260C/5030C	BBL	73	PACE-MV
70101142002	MW-2S	EPA 8260C/5030C	BBL	73	PACE-MV
70101142003	MW-5S	EPA 8260C/5030C	BBL	73	PACE-MV
70101142004	MW-8S	EPA 8260C/5030C	BBL	73	PACE-MV
70101142005	MW-10S	EPA 8260C/5030C	BBL	73	PACE-MV
70101142006	MW-11S	EPA 8260C/5030C	BBL	73	PACE-MV

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-1S		Lab ID: 70101142001	Collected: 08/13/19 12:31	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		08/14/19 14:22	67-64-1	IC
Benzene	<1.0	ug/L	1.0	1		08/14/19 14:22	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/14/19 14:22	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1		08/14/19 14:22	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/14/19 14:22	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		08/14/19 14:22	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/14/19 14:22	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-00-3	
Chloroform	1.0	ug/L	1.0	1		08/14/19 14:22	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 14:22	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 14:22	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 14:22	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 14:22	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 14:22	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:22	75-35-4	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	1		08/14/19 14:22	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:22	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:22	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:22	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:22	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:22	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:22	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	105-05-5	N3
Ethanol	<250	ug/L	250	1		08/14/19 14:22	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 14:22	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 14:22	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 14:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 14:22	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 14:22	75-09-2	

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-1S		Lab ID: 70101142001		Collected: 08/13/19 12:31		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 14:22	108-10-1		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 14:22	1634-04-4		
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 14:22	91-20-3		
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	103-65-1		
Styrene	<1.0	ug/L	1.0	1		08/14/19 14:22	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	79-34-5		
Tetrachloroethene	21.6	ug/L	1.0	1		08/14/19 14:22	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		08/14/19 14:22	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	87-61-6		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	120-82-1		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:22	79-00-5		
Trichloroethene	1.2	ug/L	1.0	1		08/14/19 14:22	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:22	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:22	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:22	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 14:22	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 14:22	1330-20-7		
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 14:22	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 14:22	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		08/14/19 14:22	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		08/14/19 14:22	460-00-4		
Toluene-d8 (S)	97	%	69-124	1		08/14/19 14:22	2037-26-5		

Sample: MW-2S		Lab ID: 70101142002		Collected: 08/13/19 11:00		Received: 08/13/19 17:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1			08/14/19 14:45	67-64-1	IC
Benzene	<1.0	ug/L	1.0	1			08/14/19 14:45	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1			08/14/19 14:45	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1			08/14/19 14:45	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1			08/14/19 14:45	75-27-4	
Bromoform	<1.0	ug/L	1.0	1			08/14/19 14:45	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1			08/14/19 14:45	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1			08/14/19 14:45	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1			08/14/19 14:45	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1			08/14/19 14:45	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1			08/14/19 14:45	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1			08/14/19 14:45	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1			08/14/19 14:45	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-2S		Lab ID: 70101142002	Collected: 08/13/19 11:00	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:45	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	75-00-3	
Chloroform	8.4	ug/L	1.0	1		08/14/19 14:45	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 14:45	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 14:45	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 14:45	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 14:45	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 14:45	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 14:45	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 14:45	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:45	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:45	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:45	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:45	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:45	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:45	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:45	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:45	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:45	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 14:45	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	105-05-5	N3
Ethanol	<250	ug/L	250	1		08/14/19 14:45	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 14:45	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 14:45	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 14:45	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 14:45	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 14:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 14:45	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 14:45	1634-04-4	
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 14:45	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	103-65-1	
Styrene	<1.0	ug/L	1.0	1		08/14/19 14:45	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	79-34-5	
Tetrachloroethene	2.0	ug/L	1.0	1		08/14/19 14:45	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		08/14/19 14:45	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	71-55-6	

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-2S		Lab ID: 70101142002		Collected: 08/13/19 11:00		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 14:45	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		08/14/19 14:45	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 14:45	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 14:45	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 14:45	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 14:45	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 14:45	1330-20-7		
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 14:45	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 14:45	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		08/14/19 14:45	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		08/14/19 14:45	460-00-4		
Toluene-d8 (S)	97	%	69-124	1		08/14/19 14:45	2037-26-5		

Sample: MW-5S		Lab ID: 70101142003		Collected: 08/13/19 13:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		08/14/19 15:08	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		08/14/19 15:08	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		08/14/19 15:08	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		08/14/19 15:08	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/14/19 15:08	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		08/14/19 15:08	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/14/19 15:08	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-00-3		
Chloroform	8.3	ug/L	1.0	1		08/14/19 15:08	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:08	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:08	106-43-4	L1	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 15:08	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 15:08	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	106-46-7		

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-5S		Lab ID: 70101142003		Collected: 08/13/19 13:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 15:08	110-57-6	CL	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	107-06-2	N3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:08	75-35-4		
cis-1,2-Dichloroethene	2.2	ug/L	1.0	1		08/14/19 15:08	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:08	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:08	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:08	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:08	594-20-7		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:08	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:08	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:08	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	105-05-5		
Ethanol	<250	ug/L	250	1		08/14/19 15:08	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 15:08	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 15:08	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 15:08	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 15:08	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 15:08	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 15:08	108-10-1		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 15:08	1634-04-4		
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 15:08	91-20-3		
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	103-65-1		
Styrene	<1.0	ug/L	1.0	1		08/14/19 15:08	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	79-34-5		
Tetrachloroethene	45.1	ug/L	1.0	1		08/14/19 15:08	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	95-93-2		
Toluene	<1.0	ug/L	1.0	1		08/14/19 15:08	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	87-61-6		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	120-82-1		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:08	79-00-5		
Trichloroethene	2.4	ug/L	1.0	1		08/14/19 15:08	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:08	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:08	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:08	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 15:08	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 15:08	1330-20-7		
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 15:08	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 15:08	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		08/14/19 15:08	17060-07-0		
4-Bromofluorobenzene (S)	97	%	79-124	1		08/14/19 15:08	460-00-4		

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-5S		Lab ID: 70101142003	Collected: 08/13/19 13:01	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Surrogates

Toluene-d8 (S)	97	%	69-124	1		08/14/19 15:08	2037-26-5	
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Sample: MW-8S		Lab ID: 70101142004	Collected: 08/13/19 14:01	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Acetone	<5.0	ug/L	5.0	1		08/14/19 15:31	67-64-1	IC
Benzene	<1.0	ug/L	1.0	1		08/14/19 15:31	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/14/19 15:31	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1		08/14/19 15:31	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/14/19 15:31	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		08/14/19 15:31	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/14/19 15:31	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		08/14/19 15:31	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:31	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:31	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 15:31	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 15:31	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 15:31	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:31	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:31	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:31	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:31	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:31	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:31	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:31	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:31	10061-01-5	

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-8S		Lab ID: 70101142004	Collected: 08/13/19 14:01	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:31	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	105-05-5	N3
Ethanol	<250	ug/L	250	1		08/14/19 15:31	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 15:31	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 15:31	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 15:31	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 15:31	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 15:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 15:31	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 15:31	1634-04-4	
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 15:31	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	103-65-1	
Styrene	<1.0	ug/L	1.0	1		08/14/19 15:31	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	79-34-5	
Tetrachloroethene	13.9	ug/L	1.0	1		08/14/19 15:31	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		08/14/19 15:31	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:31	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:31	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:31	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:31	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:31	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 15:31	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 15:31	1330-20-7	
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 15:31	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 15:31	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		08/14/19 15:31	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		08/14/19 15:31	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		08/14/19 15:31	2037-26-5	

Sample: MW-10S		Lab ID: 70101142005	Collected: 08/13/19 15:01	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		08/14/19 15:54	67-64-1	IC
Benzene	<1.0	ug/L	1.0	1		08/14/19 15:54	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	74-97-5	

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-10S		Lab ID: 70101142005	Collected: 08/13/19 15:01	Received: 08/13/19 17:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Bromodichloromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		08/14/19 15:54	75-25-2	CL,M1
Bromomethane	<1.0	ug/L	1.0	1		08/14/19 15:54	74-83-9	CL,M1
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/14/19 15:54	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		08/14/19 15:54	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/14/19 15:54	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		08/14/19 15:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:54	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 15:54	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 15:54	106-93-4	M1
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 15:54	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 15:54	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:54	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:54	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 15:54	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:54	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:54	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:54	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:54	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:54	10061-01-5	M1
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 15:54	10061-02-6	M1
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	105-05-5	N3
Ethanol	<250	ug/L	250	1		08/14/19 15:54	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 15:54	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 15:54	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 15:54	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 15:54	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 15:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 15:54	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 15:54	1634-04-4	
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 15:54	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	103-65-1	

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-10S		Lab ID: 70101142005		Collected: 08/13/19 15:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Styrene	<1.0	ug/L	1.0	1		08/14/19 15:54	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	630-20-6	M1	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	79-34-5		
Tetrachloroethene	111	ug/L	1.0	1		08/14/19 15:54	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		08/14/19 15:54	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	87-61-6		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	120-82-1		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 15:54	79-00-5		
Trichloroethene	2.2	ug/L	1.0	1		08/14/19 15:54	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 15:54	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 15:54	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 15:54	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 15:54	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 15:54	1330-20-7		
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 15:54	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 15:54	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		08/14/19 15:54	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		08/14/19 15:54	460-00-4		
Toluene-d8 (S)	97	%	69-124	1		08/14/19 15:54	2037-26-5		

Sample: MW-11S		Lab ID: 70101142006		Collected: 08/13/19 12:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		08/14/19 16:17	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		08/14/19 16:17	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		08/14/19 16:17	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		08/14/19 16:17	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/14/19 16:17	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		08/14/19 16:17	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/14/19 16:17	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-00-3		
Chloroform	9.0	ug/L	1.0	1		08/14/19 16:17	67-66-3		

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-11S		Lab ID: 70101142006		Collected: 08/13/19 12:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Chloromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 16:17	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/14/19 16:17	106-43-4	L1	
Dibromochloromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/14/19 16:17	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		08/14/19 16:17	74-95-3		
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	95-50-1		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	541-73-1		
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	106-46-7		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/14/19 16:17	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 16:17	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 16:17	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/14/19 16:17	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 16:17	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 16:17	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/14/19 16:17	594-20-7		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 16:17	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 16:17	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/14/19 16:17	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	105-05-5	N3	
Ethanol	<250	ug/L	250	1		08/14/19 16:17	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/14/19 16:17	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		08/14/19 16:17	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/14/19 16:17	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/14/19 16:17	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		08/14/19 16:17	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/14/19 16:17	108-10-1		
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		08/14/19 16:17	1634-04-4		
Naphthalene	<1.0	ug/L	1.0	1		08/14/19 16:17	91-20-3		
n-Propylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	103-65-1		
Styrene	<1.0	ug/L	1.0	1		08/14/19 16:17	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	79-34-5		
Tetrachloroethene	1.7	ug/L	1.0	1		08/14/19 16:17	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		08/14/19 16:17	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	87-61-6		
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	120-82-1		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/14/19 16:17	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		08/14/19 16:17	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		08/14/19 16:17	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/14/19 16:17	96-18-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Sample: MW-11S		Lab ID: 70101142006		Collected: 08/13/19 12:01		Received: 08/13/19 17:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/14/19 16:17	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/14/19 16:17	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/14/19 16:17	1330-20-7		
m&p-Xylene	<2.0	ug/L	2.0	1		08/14/19 16:17	179601-23-1		
o-Xylene	<1.0	ug/L	1.0	1		08/14/19 16:17	95-47-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		08/14/19 16:17	17060-07-0		
4-Bromofluorobenzene (S)	95	%	79-124	1		08/14/19 16:17	460-00-4		
Toluene-d8 (S)	96	%	69-124	1		08/14/19 16:17	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

QC Batch: 125945 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 70101142001, 70101142002, 70101142003, 70101142004, 70101142005, 70101142006

METHOD BLANK: 600620 Matrix: Water
Associated Lab Samples: 70101142001, 70101142002, 70101142003, 70101142004, 70101142005, 70101142006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/14/19 13:01	
1,1-Dichloropropene	ug/L	<1.0	1.0	08/14/19 13:01	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	08/14/19 13:01	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	N3
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	08/14/19 13:01	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/14/19 13:01	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,3-Dichloropropane	ug/L	<1.0	1.0	08/14/19 13:01	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
1,4-Diethylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	08/14/19 13:01	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/14/19 13:01	IL
2-Chlorotoluene	ug/L	<1.0	1.0	08/14/19 13:01	
2-Hexanone	ug/L	<5.0	5.0	08/14/19 13:01	
4-Chlorotoluene	ug/L	<1.0	1.0	08/14/19 13:01	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/14/19 13:01	
Acetone	ug/L	<5.0	5.0	08/14/19 13:01	IC
Benzene	ug/L	<1.0	1.0	08/14/19 13:01	
Bromobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Bromochloromethane	ug/L	<1.0	1.0	08/14/19 13:01	
Bromodichloromethane	ug/L	<1.0	1.0	08/14/19 13:01	
Bromoform	ug/L	<1.0	1.0	08/14/19 13:01	CL
Bromomethane	ug/L	<1.0	1.0	08/14/19 13:01	CL
Carbon disulfide	ug/L	<1.0	1.0	08/14/19 13:01	
Carbon tetrachloride	ug/L	<1.0	1.0	08/14/19 13:01	
Chlorobenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Chlorodifluoromethane	ug/L	<1.0	1.0	08/14/19 13:01	N3
Chloroethane	ug/L	<1.0	1.0	08/14/19 13:01	
Chloroform	ug/L	<1.0	1.0	08/14/19 13:01	
Chloromethane	ug/L	<1.0	1.0	08/14/19 13:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

METHOD BLANK: 600620

Matrix: Water

Associated Lab Samples: 70101142001, 70101142002, 70101142003, 70101142004, 70101142005, 70101142006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	08/14/19 13:01	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/14/19 13:01	
Dibromochloromethane	ug/L	<1.0	1.0	08/14/19 13:01	
Dibromomethane	ug/L	<1.0	1.0	08/14/19 13:01	
Dichlorodifluoromethane	ug/L	<1.0	1.0	08/14/19 13:01	CL
Ethanol	ug/L	<250	250	08/14/19 13:01	
Ethylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	08/14/19 13:01	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	08/14/19 13:01	
m&p-Xylene	ug/L	<2.0	2.0	08/14/19 13:01	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	08/14/19 13:01	
Methylene Chloride	ug/L	<1.0	1.0	08/14/19 13:01	
n-Butylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
n-Propylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Naphthalene	ug/L	<1.0	1.0	08/14/19 13:01	
o-Xylene	ug/L	<1.0	1.0	08/14/19 13:01	
p-Isopropyltoluene	ug/L	<1.0	1.0	08/14/19 13:01	
sec-Butylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Styrene	ug/L	<1.0	1.0	08/14/19 13:01	
tert-Butylbenzene	ug/L	<1.0	1.0	08/14/19 13:01	
Tetrachloroethene	ug/L	<1.0	1.0	08/14/19 13:01	
Toluene	ug/L	<1.0	1.0	08/14/19 13:01	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	08/14/19 13:01	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/14/19 13:01	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	08/14/19 13:01	
Trichloroethene	ug/L	<1.0	1.0	08/14/19 13:01	
Trichlorofluoromethane	ug/L	<1.0	1.0	08/14/19 13:01	
Vinyl chloride	ug/L	<1.0	1.0	08/14/19 13:01	
Xylene (Total)	ug/L	<3.0	3.0	08/14/19 13:01	
1,2-Dichloroethane-d4 (S)	%	108	68-153	08/14/19 13:01	
4-Bromofluorobenzene (S)	%	96	79-124	08/14/19 13:01	
Toluene-d8 (S)	%	97	69-124	08/14/19 13:01	

LABORATORY CONTROL SAMPLE: 600621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.3	81	74-113	
1,1,1-Trichloroethane	ug/L	50	45.2	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	74-121	
1,1,2-Trichloroethane	ug/L	50	46.8	94	80-117	
1,1-Dichloroethane	ug/L	50	51.9	104	83-151	
1,1-Dichloroethene	ug/L	50	47.9	96	45-146	
1,1-Dichloropropene	ug/L	50	46.9	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	41.3	83	67-103	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

LABORATORY CONTROL SAMPLE: 600621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	43.9	88	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	47.0	94	66-103	N3
1,2,4-Trichlorobenzene	ug/L	50	42.7	85	66-116	
1,2,4-Trimethylbenzene	ug/L	50	48.6	97	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	43.5	87	83-115	
1,2-Dichlorobenzene	ug/L	50	46.7	93	74-113	
1,2-Dichloroethane	ug/L	50	55.2	110	74-129	
1,2-Dichloropropane	ug/L	50	46.9	94	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.5	97	67-116	
1,3-Dichlorobenzene	ug/L	50	46.1	92	71-112	
1,3-Dichloropropane	ug/L	50	46.1	92	74-112	
1,4-Dichlorobenzene	ug/L	50	46.0	92	71-113	
1,4-Diethylbenzene	ug/L	50	47.3	95	56-130	N3
2,2-Dichloropropane	ug/L	50	49.9	100	63-133	
2-Butanone (MEK)	ug/L	50	46.3	93	44-162	IL
2-Chlorotoluene	ug/L	50	49.5	99	74-101	
2-Hexanone	ug/L	50	43.4	87	32-183	
4-Chlorotoluene	ug/L	50	51.2	102	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.3	93	69-132	
Acetone	ug/L	50	50.1	100	23-188	IC
Benzene	ug/L	50	45.8	92	73-119	
Bromobenzene	ug/L	50	44.9	90	72-102	
Bromochloromethane	ug/L	50	49.8	100	81-116	
Bromodichloromethane	ug/L	50	48.1	96	78-117	
Bromoform	ug/L	50	37.1	74	65-122	CL
Bromomethane	ug/L	50	41.7	83	52-147	CL
Carbon disulfide	ug/L	50	44.2	88	41-144	
Carbon tetrachloride	ug/L	50	49.1	98	59-120	
Chlorobenzene	ug/L	50	44.0	88	75-113	
Chlorodifluoromethane	ug/L	50	42.4	85	43-140	N3
Chloroethane	ug/L	50	50.6	101	49-151	
Chloroform	ug/L	50	54.5	109	72-122	
Chloromethane	ug/L	50	40.4	81	46-144	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	72-121	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	78-116	
Dibromochloromethane	ug/L	50	41.8	84	70-120	
Dibromomethane	ug/L	50	44.2	88	75-125	
Dichlorodifluoromethane	ug/L	50	33.3	67	22-154	CL
Ethanol	ug/L	1250	1450	116	10-151	CH
Ethylbenzene	ug/L	50	43.8	88	70-113	
Hexachloro-1,3-butadiene	ug/L	50	41.0	82	59-121	
Isopropylbenzene (Cumene)	ug/L	50	48.2	96	67-115	
m&p-Xylene	ug/L	100	86.1	86	72-115	
Methyl-tert-butyl ether	ug/L	50	50.9	102	72-131	
Methylene Chloride	ug/L	50	50.5	101	61-142	
n-Butylbenzene	ug/L	50	51.0	102	73-107	
n-Propylbenzene	ug/L	50	50.5	101	68-116	

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

LABORATORY CONTROL SAMPLE: 600621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	45.3	91	70-118	
o-Xylene	ug/L	50	43.4	87	73-117	
p-Isopropyltoluene	ug/L	50	46.6	93	73-101	
sec-Butylbenzene	ug/L	50	48.8	98	72-103	
Styrene	ug/L	50	44.0	88	72-118	
tert-Butylbenzene	ug/L	50	47.7	95	68-100	
Tetrachloroethene	ug/L	50	38.7	77	60-128	
Toluene	ug/L	50	45.9	92	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.0	88	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	55.1	110	71-121	
Trichloroethene	ug/L	50	44.4	89	69-117	
Trichlorofluoromethane	ug/L	50	50.3	101	27-173	
Vinyl chloride	ug/L	50	46.5	93	43-143	
Xylene (Total)	ug/L	150	129	86	71-109	
1,2-Dichloroethane-d4 (S)	%			108	68-153	
4-Bromofluorobenzene (S)	%			95	79-124	
Toluene-d8 (S)	%			97	69-124	

MATRIX SPIKE SAMPLE: 601048

Parameter	Units	70101142005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	35.5	71	74-113	M1
1,1,1-Trichloroethane	ug/L	<1.0	50	40.6	81	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	42.2	84	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	44.5	89	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	45.8	92	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	39.2	78	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	42.4	85	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	35.3	71	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	37.0	74	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	41.3	83	66-103	N3
1,2,4-Trichlorobenzene	ug/L	<1.0	50	35.7	71	66-116	
1,2,4-Trimethylbenzene	ug/L	<1.0	50	43.2	86	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	37.7	75	83-115	M1
1,2-Dichlorobenzene	ug/L	<1.0	50	39.8	80	74-113	
1,2-Dichloroethane	ug/L	<1.0	50	48.6	97	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	41.5	83	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	42.9	86	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	40.3	81	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	39.9	80	74-112	
1,4-Dichlorobenzene	ug/L	<1.0	50	40.3	81	71-113	
1,4-Diethylbenzene	ug/L	<1.0	50	41.8	84	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	40.1	80	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	39.2	78	44-162	IL

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

MATRIX SPIKE SAMPLE:		601048					
Parameter	Units	70101142005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	<1.0	50	43.9	88	74-101	
2-Hexanone	ug/L	<5.0	50	35.4	71	32-183	
4-Chlorotoluene	ug/L	<1.0	50	45.2	90	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	39.5	79	69-132	
Acetone	ug/L	<5.0	50	39.3	79	23-188	IC
Benzene	ug/L	<1.0	50	40.6	81	73-119	
Bromobenzene	ug/L	<1.0	50	39.2	78	72-102	
Bromochloromethane	ug/L	<1.0	50	43.5	87	81-116	
Bromodichloromethane	ug/L	<1.0	50	41.9	84	78-117	
Bromoform	ug/L	<1.0	50	31.5	63	65-122	CL,M1
Bromomethane	ug/L	<1.0	50	22.8	46	52-147	CL,M1
Carbon disulfide	ug/L	<1.0	50	36.4	73	41-144	
Carbon tetrachloride	ug/L	<1.0	50	44.0	88	59-120	
Chlorobenzene	ug/L	<1.0	50	38.5	77	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	29.3	59	43-140	N3
Chloroethane	ug/L	<1.0	50	40.7	81	49-151	
Chloroform	ug/L	<1.0	50	48.8	98	72-122	
Chloromethane	ug/L	<1.0	50	25.8	52	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	43.5	87	72-121	
cis-1,3-Dichloropropene	ug/L	<1.0	50	38.6	77	78-116	M1
Dibromochloromethane	ug/L	<1.0	50	35.8	72	70-120	
Dibromomethane	ug/L	<1.0	50	38.4	77	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	14.0	28	22-154	CL
Ethanol	ug/L	<250	1250	953	76	10-151	CH
Ethylbenzene	ug/L	<1.0	50	39.6	79	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	31.5	63	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	43.2	86	67-115	
m&p-Xylene	ug/L	<2.0	100	77.1	77	72-115	
Methyl-tert-butyl ether	ug/L	<1.0	50	43.3	87	72-131	
Methylene Chloride	ug/L	<1.0	50	42.6	85	61-142	
n-Butylbenzene	ug/L	<1.0	50	44.9	90	73-107	
n-Propylbenzene	ug/L	<1.0	50	45.2	90	68-116	
Naphthalene	ug/L	<1.0	50	37.1	74	70-118	
o-Xylene	ug/L	<1.0	50	38.7	77	73-117	
p-Isopropyltoluene	ug/L	<1.0	50	41.4	83	73-101	
sec-Butylbenzene	ug/L	<1.0	50	43.4	87	72-103	
Styrene	ug/L	<1.0	50	38.8	78	72-118	
tert-Butylbenzene	ug/L	<1.0	50	42.6	85	68-100	
Tetrachloroethene	ug/L	111	50	151	79	60-128	
Toluene	ug/L	<1.0	50	41.6	83	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	43.3	87	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	36.3	73	79-116	M1
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	42.5	85	71-121	
Trichloroethene	ug/L	2.2	50	42.4	80	69-117	
Trichlorofluoromethane	ug/L	<1.0	50	40.2	80	27-173	
Vinyl chloride	ug/L	<1.0	50	33.6	67	43-143	
Xylene (Total)	ug/L	<3.0	150	116	77	71-109	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

MATRIX SPIKE SAMPLE: 601048		70101142005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%				107	68-153	
4-Bromofluorobenzene (S)	%				96	79-124	
Toluene-d8 (S)	%				97	69-124	

SAMPLE DUPLICATE: 601047

Parameter	Units	70101142002	Dup	RPD	Qualifiers
		Result	Result		
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	3.0		N3
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	1.6		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		IC
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		CL
Bromomethane	ug/L	<1.0	<1.0		CL
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3

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QUALITY CONTROL DATA

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

SAMPLE DUPLICATE: 601047

Parameter	Units	70101142002 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	8.4	8.8	4	
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		CL
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	<2.0	<2.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	1.2		
n-Propylbenzene	ug/L	<1.0	2.5		
Naphthalene	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	2.0	1.9	7	
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	109	109		
4-Bromofluorobenzene (S)	%	96	95		
Toluene-d8 (S)	%	97	97		

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QUALIFIERS

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

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.

LABORATORIES

PACE-MV Pace Analytical Services - Melville

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1199 SUTTER AVE/ 01.991373.00

Pace Project No.: 70101142

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70101142001	MW-1S	EPA 8260C/5030C	125945		
70101142002	MW-2S	EPA 8260C/5030C	125945		
70101142003	MW-5S	EPA 8260C/5030C	125945		
70101142004	MW-8S	EPA 8260C/5030C	125945		
70101142005	MW-10S	EPA 8260C/5030C	125945		
70101142006	MW-11S	EPA 8260C/5030C	125945		

REPORT OF LABORATORY ANALYSIS

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February 11, 2020

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: SUTTER AVENUE 11/22
Pace Project No.: 70113546

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

REVISION 1: Report re-issued on 2/6/20 to add case narrative

REVISION 2: Report re-issued on 2/11/20 to add Acetone and Trichloroethene

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

Sincerely,



Devon J. Fox
devon.fox@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ms. Crystal Bakewicz, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70113546001	MW-1S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546002	MW-2S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546003	MW-5S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546004	MW-8S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546005	MW-10S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546006	MW-11S	EPA 8260C/5030C	BBL	29	PACE-MV
70113546007	BD	EPA 8260C/5030C	BBL	29	PACE-MV
70113546008	TRIP BLANK	EPA 8260C/5030C	BBL	29	PACE-MV

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: February 11, 2020

General Information:

8 samples were analyzed for EPA 8260C/5030C. 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: 140983

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BD (Lab ID: 70113546007)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- BLANK (Lab ID: 675507)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- LCS (Lab ID: 675508)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MS (Lab ID: 675672)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MSD (Lab ID: 675673)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MW-10S (Lab ID: 70113546005)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MW-11S (Lab ID: 70113546006)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MW-1S (Lab ID: 70113546001)
 - Chloroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: February 11, 2020

QC Batch: 140983

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Trichlorofluoromethane
- Vinyl chloride
- MW-2S (Lab ID: 70113546002)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MW-5S (Lab ID: 70113546003)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- MW-8S (Lab ID: 70113546004)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- TRIP BLANK (Lab ID: 70113546008)
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride

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.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: MW-1S		Lab ID: 70113546001	Collected: 11/22/19 11:35	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:57	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 20:57	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:57	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:57	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:57	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:57	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 20:57	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:57	78-87-5	
Acetone	<5.0	ug/L	5.0	1		12/04/19 20:57	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:57	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 20:57	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 20:57	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 20:57	75-00-3	CL
Chloroform	1.5	ug/L	1.0	1		12/04/19 20:57	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 20:57	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:57	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 20:57	75-09-2	
Tetrachloroethene	18.4	ug/L	1.0	1		12/04/19 20:57	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:57	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 20:57	75-69-4	CL
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 20:57	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:57	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:57	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:57	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:57	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 20:57	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		12/04/19 20:57	17060-07-0	
4-Bromofluorobenzene (S)	105	%	79-124	1		12/04/19 20:57	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		12/04/19 20:57	2037-26-5	

Sample: MW-2S		Lab ID: 70113546002	Collected: 11/22/19 09:50	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:16	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 21:16	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:16	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:16	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:16	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:16	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 21:16	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:16	78-87-5	
Acetone	<5.0	ug/L	5.0	1		12/04/19 21:16	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:16	74-97-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: MW-2S		Lab ID: 70113546002	Collected: 11/22/19 09:50	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 21:16	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 21:16	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 21:16	75-00-3	CL
Chloroform	2.8	ug/L	1.0	1		12/04/19 21:16	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 21:16	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:16	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 21:16	75-09-2	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/04/19 21:16	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:16	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 21:16	75-69-4	CL
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 21:16	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:16	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:16	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:16	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:16	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 21:16	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		12/04/19 21:16	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/04/19 21:16	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/04/19 21:16	2037-26-5	

Sample: MW-5S		Lab ID: 70113546003	Collected: 11/22/19 13:25	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:35	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 21:35	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:35	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:35	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:35	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:35	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 21:35	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:35	78-87-5	
Acetone	<5.0	ug/L	5.0	1		12/04/19 21:35	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:35	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 21:35	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 21:35	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 21:35	75-00-3	CL
Chloroform	4.3	ug/L	1.0	1		12/04/19 21:35	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 21:35	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:35	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 21:35	75-09-2	
Tetrachloroethene	17.3	ug/L	1.0	1		12/04/19 21:35	127-18-4	
Trichloroethene	1.2	ug/L	1.0	1		12/04/19 21:35	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 21:35	75-69-4	CL

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: MW-5S		Lab ID: 70113546003	Collected: 11/22/19 13:25	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 21:35	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:35	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:35	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:35	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:35	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 21:35	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		12/04/19 21:35	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/04/19 21:35	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/04/19 21:35	2037-26-5	

Sample: MW-8S		Lab ID: 70113546004	Collected: 11/22/19 13:55	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:38	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 20:38	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:38	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:38	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:38	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:38	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 20:38	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:38	78-87-5	
Acetone	<5.0	ug/L	5.0	1		12/04/19 20:38	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:38	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 20:38	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 20:38	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 20:38	75-00-3	CL
Chloroform	<1.0	ug/L	1.0	1		12/04/19 20:38	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 20:38	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:38	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 20:38	75-09-2	
Tetrachloroethene	6.4	ug/L	1.0	1		12/04/19 20:38	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:38	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 20:38	75-69-4	CL
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 20:38	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:38	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:38	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:38	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:38	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 20:38	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		12/04/19 20:38	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/04/19 20:38	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/04/19 20:38	2037-26-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: MW-10S		Lab ID: 70113546005	Collected: 11/22/19 08:00	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:54	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 21:54	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:54	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 21:54	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:54	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:54	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 21:54	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 21:54	78-87-5	
Acetone	6.7	ug/L	5.0	1		12/04/19 21:54	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:54	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 21:54	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 21:54	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 21:54	75-00-3	CL
Chloroform	<1.0	ug/L	1.0	1		12/04/19 21:54	67-66-3	
Chloromethane	1.4	ug/L	1.0	1		12/04/19 21:54	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 21:54	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 21:54	75-09-2	
Tetrachloroethene	112	ug/L	1.0	1		12/04/19 21:54	127-18-4	
Trichloroethene	2.0	ug/L	1.0	1		12/04/19 21:54	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 21:54	75-69-4	CL
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 21:54	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:54	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:54	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 21:54	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 21:54	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 21:54	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		12/04/19 21:54	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/04/19 21:54	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/04/19 21:54	2037-26-5	

Sample: MW-11S		Lab ID: 70113546006	Collected: 11/22/19 10:45	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:13	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 22:13	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:13	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:13	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:13	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 22:13	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 22:13	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 22:13	78-87-5	
Acetone	<5.0	ug/L	5.0	1		12/04/19 22:13	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 22:13	74-97-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: MW-11S		Lab ID: 70113546006		Collected: 11/22/19 10:45		Received: 11/27/19 15:32		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 22:13	75-27-4	CL	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 22:13	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 22:13	75-00-3		
Chloroform	9.8	ug/L	1.0	1		12/04/19 22:13	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 22:13	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 22:13	124-48-1	CL	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 22:13	75-09-2		
Tetrachloroethene	<1.0	ug/L	1.0	1		12/04/19 22:13	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:13	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 22:13	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 22:13	75-01-4	CL	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:13	156-59-2	CL	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 22:13	10061-01-5		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:13	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 22:13	10061-02-6		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 22:13	110-57-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	111	%	68-153	1		12/04/19 22:13	17060-07-0	CL	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/04/19 22:13	460-00-4		
Toluene-d8 (S)	100	%	69-124	1		12/04/19 22:13	2037-26-5		

Sample: BD		Lab ID: 70113546007		Collected: 11/22/19 12:00		Received: 11/27/19 15:32		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:33	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 22:33	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:33	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 22:33	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:33	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 22:33	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 22:33	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 22:33	78-87-5		
Acetone	<5.0	ug/L	5.0	1		12/04/19 22:33	67-64-1		
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 22:33	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 22:33	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 22:33	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 22:33	75-00-3	CL	
Chloroform	9.5	ug/L	1.0	1		12/04/19 22:33	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 22:33	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 22:33	124-48-1		
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 22:33	75-09-2		
Tetrachloroethene	1.5	ug/L	1.0	1		12/04/19 22:33	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:33	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 22:33	75-69-4	CL	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Sample: BD		Lab ID: 70113546007	Collected: 11/22/19 12:00	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 22:33	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:33	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 22:33	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 22:33	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 22:33	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 22:33	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/04/19 22:33	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/04/19 22:33	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/04/19 22:33	2037-26-5	

Sample: TRIP BLANK		Lab ID: 70113546008	Collected: 11/22/19 00:00	Received: 11/27/19 15:32	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:18	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/04/19 20:18	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:18	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/04/19 20:18	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:18	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:18	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		12/04/19 20:18	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/04/19 20:18	78-87-5	
Acetone	8.2	ug/L	5.0	1		12/04/19 20:18	67-64-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:18	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/04/19 20:18	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/04/19 20:18	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		12/04/19 20:18	75-00-3	CL
Chloroform	<1.0	ug/L	1.0	1		12/04/19 20:18	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/04/19 20:18	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/04/19 20:18	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		12/04/19 20:18	75-09-2	
Tetrachloroethene	<1.0	ug/L	1.0	1		12/04/19 20:18	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:18	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		12/04/19 20:18	75-69-4	CL
Vinyl chloride	<1.0	ug/L	1.0	1		12/04/19 20:18	75-01-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:18	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:18	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/04/19 20:18	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/04/19 20:18	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/04/19 20:18	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		12/04/19 20:18	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		12/04/19 20:18	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/04/19 20:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

QC Batch: 140983 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 70113546001, 70113546002, 70113546003, 70113546004, 70113546005, 70113546006, 70113546007, 70113546008

METHOD BLANK: 675507 Matrix: Water
Associated Lab Samples: 70113546001, 70113546002, 70113546003, 70113546004, 70113546005, 70113546006, 70113546007, 70113546008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/04/19 17:38	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/04/19 17:38	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/04/19 17:38	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/04/19 17:38	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/04/19 17:38	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/04/19 17:38	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	12/04/19 17:38	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/04/19 17:38	
Acetone	ug/L	<5.0	5.0	12/04/19 17:38	
Bromochloromethane	ug/L	<1.0	1.0	12/04/19 17:38	
Bromodichloromethane	ug/L	<1.0	1.0	12/04/19 17:38	
Carbon tetrachloride	ug/L	<1.0	1.0	12/04/19 17:38	
Chloroethane	ug/L	<1.0	1.0	12/04/19 17:38	CL
Chloroform	ug/L	<1.0	1.0	12/04/19 17:38	
Chloromethane	ug/L	<1.0	1.0	12/04/19 17:38	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/04/19 17:38	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/04/19 17:38	
Dibromochloromethane	ug/L	<1.0	1.0	12/04/19 17:38	
Methylene Chloride	ug/L	<1.0	1.0	12/04/19 17:38	
Tetrachloroethene	ug/L	<1.0	1.0	12/04/19 17:38	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/04/19 17:38	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/04/19 17:38	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/04/19 17:38	
Trichloroethene	ug/L	<1.0	1.0	12/04/19 17:38	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/04/19 17:38	CL
Vinyl chloride	ug/L	<1.0	1.0	12/04/19 17:38	CL
1,2-Dichloroethane-d4 (S)	%	109	68-153	12/04/19 17:38	
4-Bromofluorobenzene (S)	%	99	79-124	12/04/19 17:38	
Toluene-d8 (S)	%	101	69-124	12/04/19 17:38	

LABORATORY CONTROL SAMPLE: 675508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.0	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	53.5	107	74-121	
1,1,2-Trichloroethane	ug/L	50	52.0	104	80-117	
1,1-Dichloroethane	ug/L	50	49.8	100	83-151	
1,1-Dichloroethene	ug/L	50	43.0	86	45-146	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

LABORATORY CONTROL SAMPLE: 675508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	51.4	103	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	42.2	84	74-119	
1,2-Dichloropropane	ug/L	50	53.9	108	75-117	
Acetone	ug/L	50	87.4	175	23-188	
Bromochloromethane	ug/L	50	43.2	86	81-116	
Bromodichloromethane	ug/L	50	52.8	106	78-117	
Carbon tetrachloride	ug/L	50	49.3	99	59-120	
Chloroethane	ug/L	50	38.2	76	49-151	CL
Chloroform	ug/L	50	49.2	98	72-122	
Chloromethane	ug/L	50	48.7	97	46-144	
cis-1,2-Dichloroethene	ug/L	50	47.7	95	72-121	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	78-116	
Dibromochloromethane	ug/L	50	44.9	90	70-120	
Methylene Chloride	ug/L	50	42.1	84	61-142	
Tetrachloroethene	ug/L	50	44.5	89	60-128	
trans-1,2-Dichloroethene	ug/L	50	45.3	91	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	50.8	102	71-121	
Trichloroethene	ug/L	50	51.0	102	69-117	
Trichlorofluoromethane	ug/L	50	44.4	89	27-173	CL
Vinyl chloride	ug/L	50	45.8	92	43-143	CL
1,2-Dichloroethane-d4 (S)	%			116	68-153	
4-Bromofluorobenzene (S)	%			108	79-124	
Toluene-d8 (S)	%			100	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 675672

675673

Parameter	Units	70113546004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	46.7	49.7	93	99	65-118	6	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	57.1	57.5	114	115	74-121	1	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	52.6	53.7	105	107	80-117	2	
1,1-Dichloroethane	ug/L	<1.0	50	50	47.1	49.8	94	100	83-151	5	
1,1-Dichloroethene	ug/L	<1.0	50	50	41.8	44.7	84	89	45-146	7	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	53.4	53.4	107	107	71-123	0	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	42.1	45.3	84	91	74-119	7	
1,2-Dichloropropane	ug/L	<1.0	50	50	52.5	54.3	105	109	75-117	3	
Acetone	ug/L	<5.0	50	50	51.3	54.9	103	110	23-188	7	
Bromochloromethane	ug/L	<1.0	50	50	41.1	44.5	82	89	81-116	8	
Bromodichloromethane	ug/L	<1.0	50	50	48.4	51.4	97	103	78-117	6	
Carbon tetrachloride	ug/L	<1.0	50	50	43.3	45.1	87	90	59-120	4	
Chloroethane	ug/L	<1.0	50	50	37.1	40.6	74	81	49-151	9	CL
Chloroform	ug/L	<1.0	50	50	47.5	50.2	95	100	72-122	6	
Chloromethane	ug/L	<1.0	50	50	42.9	48.0	86	96	46-144	11	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	44.0	47.5	88	95	72-121	8	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 675672 675673											
Parameter	Units	70113546004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	48.3	50.8	97	102	78-116	5	
Dibromochloromethane	ug/L	<1.0	50	50	40.1	43.3	80	87	70-120	8	
Methylene Chloride	ug/L	<1.0	50	50	37.7	43.4	75	87	61-142	14	
Tetrachloroethene	ug/L	6.4	50	50	47.0	49.8	81	87	60-128	6	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	42.4	46.2	85	92	56-142	9	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	49.3	52.0	99	104	79-116	5	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	46.8	48.8	94	98	71-121	4	
Trichloroethene	ug/L	<1.0	50	50	47.8	49.8	96	100	69-117	4	
Trichlorofluoromethane	ug/L	<1.0	50	50	41.8	44.4	84	89	27-173	6	CL
Vinyl chloride	ug/L	<1.0	50	50	41.4	43.3	83	87	43-143	5	CL
1,2-Dichloroethane-d4 (S)	%						121	121	68-153		
4-Bromofluorobenzene (S)	%						106	108	79-124		
Toluene-d8 (S)	%						100	100	69-124		

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QUALIFIERS

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

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.

LABORATORIES

PACE-MV Pace Analytical Services - Melville

ANALYTE QUALIFIERS

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 11/22

Pace Project No.: 70113546

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70113546001	MW-1S	EPA 8260C/5030C	140983		
70113546002	MW-2S	EPA 8260C/5030C	140983		
70113546003	MW-5S	EPA 8260C/5030C	140983		
70113546004	MW-8S	EPA 8260C/5030C	140983		
70113546005	MW-10S	EPA 8260C/5030C	140983		
70113546006	MW-11S	EPA 8260C/5030C	140983		
70113546007	BD	EPA 8260C/5030C	140983		
70113546008	TRIP BLANK	EPA 8260C/5030C	140983		

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[illegible]

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

Question 8

Section B Required Project Information:

Section C
Invoice Information:

Company:	EnviroTrac Ltd.	Report To:	Tracy Wall	Attention:	Tracy Wall
Address:	5 Old Dock Road Yaphank, NY 11980	Copy To:		Company Name:	
Email To:	tracyw@envirotrac.com	Purchase Order No.:		Address:	
Phone	631-924-3001	Project Name:	Sutter Avenue	Pace Quote Reference:	
Requested Due Date/TAT:	5 days	Project Number:	01 991373.00 Task 08 00000	Pace Project Manager:	
				Pace Profile #:	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED						# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Y/N ↑	Requested Analysis Filtered (Y/N)							
					COMPOSITE START	COMPOSITE END GRAB	DATE	TIME	DATE	TIME				DATE	TIME	VOCs 8260, chlorinated list only	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.			
1	MW-1S		WT G	G	11/22		1/22	1135	3		X					001					
2	MW-2S						1/22	0950								002					
3	MW-5S						1/22	1225								003					
4	MW-8S						1/22	1355								004					
5	MW-10S						1/22	0800								005					
6	MW-11S						1/22	1045								006					
7	MS						1/22	1430								007-004					
8	MSD						1/22	1500								008-004					
9	BD						1/22	1200								009					
10	Trip Blank						1/22									010					
11																					
12																					
		ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS					
				Matthew Minkus / E-W-X		1/22/19		1700		Emmett Roe Field		1/22/19		1700							
						1/22/19		11:20				1/22/19		1532							
												1/22/19		(5:32:51)		W N Y					

SAMPLER NAME AND SIGNATURE		Temp in °C		Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Joseph Ostichok		DATE Signed 1/27/06				
SIGNATURE of SAMPLER: [Signature]						

***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-020-ev.07, 15-May-2007



Sample Condition Upon Receipt

Client Name:

Enviro trac

Pr

WO#: 70113546

PM: DJF Due Date: 12/10/19

CLIENT: ENVIROTRAC

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoPacking Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 5.1

Cooler Temperature Corrected (°C): 5.3

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: JAE 4/27/19 1532

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 ☒ NODid samples originate from a foreign source (internationally, 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 MS/MSD)	☒ 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/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	☒ Yes	☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No ☐ N/A	15.
Trip Blank Present:	☒ Yes	☐ No ☐ N/A	16.
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:

February 28, 2020

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: SUTTER AVENUE 2/14
Pace Project No.: 70122380

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Devon J. Fox
devon.fox@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ms. Crystal Bakewicz, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70122380001	MW-1S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380002	MW-2S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380003	MW-5S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380004	MW-8S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380005	MW-10S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380006	MW-11S	EPA 8260C/5030C	GKB	29	PACE-MV
70122380007	BD	EPA 8260C/5030C	GKB	29	PACE-MV
70122380008	TRIP BLANK	EPA 8260C/5030C	GKB	29	PACE-MV

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: MW-1S		Lab ID: 70122380001	Collected: 02/14/20 11:30	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 18:24	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:24	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:24	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:24	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 18:24	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 18:24	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 18:24	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 18:24	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 18:24	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 18:24	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 18:24	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 18:24	75-00-3	
Chloroform	5.3	ug/L	1.0	1		02/22/20 18:24	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 18:24	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 18:24	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 18:24	75-09-2	
Tetrachloroethene	11.6	ug/L	1.0	1		02/22/20 18:24	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:24	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 18:24	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 18:24	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:24	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 18:24	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:24	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 18:24	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 18:24	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	68-153	1		02/22/20 18:24	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		02/22/20 18:24	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		02/22/20 18:24	2037-26-5	

Sample: MW-2S		Lab ID: 70122380002	Collected: 02/14/20 12:00	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:47	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 18:47	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:47	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 18:47	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:47	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 18:47	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 18:47	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 18:47	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 18:47	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 18:47	74-97-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: MW-2S		Lab ID: 70122380002	Collected: 02/14/20 12:00	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 18:47	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 18:47	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 18:47	75-00-3	
Chloroform	7.7	ug/L	1.0	1		02/22/20 18:47	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 18:47	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 18:47	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 18:47	75-09-2	
Tetrachloroethene	<1.0	ug/L	1.0	1		02/22/20 18:47	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:47	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 18:47	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 18:47	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:47	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 18:47	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 18:47	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 18:47	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 18:47	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	68-153	1		02/22/20 18:47	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-124	1		02/22/20 18:47	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		02/22/20 18:47	2037-26-5	

Sample: MW-5S		Lab ID: 70122380003	Collected: 02/14/20 12:50	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:10	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 19:10	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:10	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:10	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:10	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:10	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 19:10	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:10	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 19:10	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:10	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 19:10	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 19:10	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 19:10	75-00-3	
Chloroform	8.0	ug/L	1.0	1		02/22/20 19:10	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 19:10	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:10	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 19:10	75-09-2	
Tetrachloroethene	12.3	ug/L	1.0	1		02/22/20 19:10	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 19:10	75-69-4	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: MW-5S		Lab ID: 70122380003	Collected: 02/14/20 12:50	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 19:10	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:10	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:10	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:10	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:10	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 19:10	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		02/22/20 19:10	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		02/22/20 19:10	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		02/22/20 19:10	2037-26-5	

Sample: MW-8S		Lab ID: 70122380004	Collected: 02/14/20 14:15	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:33	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 19:33	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:33	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:33	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:33	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:33	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 19:33	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:33	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 19:33	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:33	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 19:33	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 19:33	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 19:33	75-00-3	
Chloroform	1.0	ug/L	1.0	1		02/22/20 19:33	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 19:33	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:33	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 19:33	75-09-2	
Tetrachloroethene	6.8	ug/L	1.0	1		02/22/20 19:33	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:33	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 19:33	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 19:33	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:33	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:33	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:33	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:33	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 19:33	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	68-153	1		02/22/20 19:33	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		02/22/20 19:33	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		02/22/20 19:33	2037-26-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: MW-10S		Lab ID: 70122380005	Collected: 02/14/20 08:30	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:56	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 19:56	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:56	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 19:56	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:56	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:56	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 19:56	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 19:56	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 19:56	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:56	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 19:56	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 19:56	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 19:56	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		02/22/20 19:56	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 19:56	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 19:56	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 19:56	75-09-2	
Tetrachloroethene	78.8	ug/L	1.0	1		02/22/20 19:56	127-18-4	
Trichloroethene	1.1	ug/L	1.0	1		02/22/20 19:56	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 19:56	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 19:56	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:56	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:56	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 19:56	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 19:56	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 19:56	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		02/22/20 19:56	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-124	1		02/22/20 19:56	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		02/22/20 19:56	2037-26-5	

Sample: MW-11S		Lab ID: 70122380006	Collected: 02/14/20 10:45	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:19	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 20:19	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:19	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:19	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:19	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 20:19	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 20:19	96-12-8	L2,M0
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 20:19	78-87-5	
Acetone	<5.0	ug/L	5.0	1		02/22/20 20:19	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 20:19	74-97-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: MW-11S		Lab ID: 70122380006		Collected: 02/14/20 10:45		Received: 02/19/20 16:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 20:19	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 20:19	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 20:19	75-00-3		
Chloroform	1.0	ug/L	1.0	1		02/22/20 20:19	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 20:19	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 20:19	124-48-1		
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 20:19	75-09-2		
Tetrachloroethene	7.0	ug/L	1.0	1		02/22/20 20:19	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:19	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 20:19	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 20:19	75-01-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:19	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 20:19	10061-01-5	L2,M0	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:19	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 20:19	10061-02-6	L2,M0	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 20:19	110-57-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	85	%	68-153	1		02/22/20 20:19	17060-07-0		
4-Bromofluorobenzene (S)	90	%	79-124	1		02/22/20 20:19	460-00-4		
Toluene-d8 (S)	95	%	69-124	1		02/22/20 20:19	2037-26-5		

Sample: BD		Lab ID: 70122380007		Collected: 02/14/20 10:50		Received: 02/19/20 16:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:42	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 20:42	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:42	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 20:42	75-34-3	L2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:42	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 20:42	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 20:42	96-12-8	L2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 20:42	78-87-5		
Acetone	<5.0	ug/L	5.0	1		02/22/20 20:42	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 20:42	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 20:42	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 20:42	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 20:42	75-00-3		
Chloroform	12.4	ug/L	1.0	1		02/22/20 20:42	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 20:42	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 20:42	124-48-1		
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 20:42	75-09-2		
Tetrachloroethene	1.2	ug/L	1.0	1		02/22/20 20:42	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:42	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 20:42	75-69-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Sample: BD		Lab ID: 70122380007	Collected: 02/14/20 10:50	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 20:42	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:42	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 20:42	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 20:42	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 20:42	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 20:42	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%	68-153	1		02/22/20 20:42	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		02/22/20 20:42	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		02/22/20 20:42	2037-26-5	

Sample: TRIP BLANK		Lab ID: 70122380008	Collected: 02/14/20 00:00	Received: 02/19/20 16:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 13:49	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/22/20 13:49	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/22/20 13:49	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/22/20 13:49	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 13:49	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		02/22/20 13:49	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		02/22/20 13:49	96-12-8	L2
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/22/20 13:49	78-87-5	
Acetone	11.4	ug/L	5.0	1		02/22/20 13:49	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		02/22/20 13:49	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/22/20 13:49	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/22/20 13:49	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		02/22/20 13:49	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		02/22/20 13:49	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		02/22/20 13:49	74-87-3	
Dibromochloromethane	<1.0	ug/L	1.0	1		02/22/20 13:49	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		02/22/20 13:49	75-09-2	
Tetrachloroethene	<1.0	ug/L	1.0	1		02/22/20 13:49	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		02/22/20 13:49	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		02/22/20 13:49	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		02/22/20 13:49	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 13:49	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 13:49	10061-01-5	L2
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		02/22/20 13:49	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/22/20 13:49	10061-02-6	L2
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		02/22/20 13:49	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%	68-153	1		02/22/20 13:49	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		02/22/20 13:49	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		02/22/20 13:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

QC Batch:	150649	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	70122380001, 70122380002, 70122380003, 70122380004, 70122380005, 70122380006, 70122380007, 70122380008		

METHOD BLANK: 723017

Matrix: Water

Associated Lab Samples: 70122380001, 70122380002, 70122380003, 70122380004, 70122380005, 70122380006, 70122380007, 70122380008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	02/22/20 12:35	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	02/22/20 12:35	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	02/22/20 12:35	
1,1-Dichloroethane	ug/L	<1.0	1.0	02/22/20 12:35	
1,1-Dichloroethene	ug/L	<1.0	1.0	02/22/20 12:35	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	02/22/20 12:35	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	02/22/20 12:35	
1,2-Dichloropropane	ug/L	<1.0	1.0	02/22/20 12:35	
Acetone	ug/L	<5.0	5.0	02/22/20 12:35	IC
Bromochloromethane	ug/L	<1.0	1.0	02/22/20 12:35	
Bromodichloromethane	ug/L	<1.0	1.0	02/22/20 12:35	
Carbon tetrachloride	ug/L	<1.0	1.0	02/22/20 12:35	
Chloroethane	ug/L	<1.0	1.0	02/22/20 12:35	
Chloroform	ug/L	<1.0	1.0	02/22/20 12:35	
Chloromethane	ug/L	<1.0	1.0	02/22/20 12:35	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	02/22/20 12:35	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	02/22/20 12:35	
Dibromochloromethane	ug/L	<1.0	1.0	02/22/20 12:35	
Methylene Chloride	ug/L	<1.0	1.0	02/22/20 12:35	
Tetrachloroethene	ug/L	<1.0	1.0	02/22/20 12:35	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	02/22/20 12:35	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	02/22/20 12:35	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	02/22/20 12:35	
Trichloroethene	ug/L	<1.0	1.0	02/22/20 12:35	
Trichlorofluoromethane	ug/L	<1.0	1.0	02/22/20 12:35	
Vinyl chloride	ug/L	<1.0	1.0	02/22/20 12:35	
1,2-Dichloroethane-d4 (S)	%	87	68-153	02/22/20 12:35	
4-Bromofluorobenzene (S)	%	93	79-124	02/22/20 12:35	
Toluene-d8 (S)	%	98	69-124	02/22/20 12:35	

LABORATORY CONTROL SAMPLE: 723018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	34.9	70	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	41.4	83	74-121	
1,1,2-Trichloroethane	ug/L	50	41.2	82	80-117	
1,1-Dichloroethane	ug/L	50	40.0	80	83-151	L2
1,1-Dichloroethene	ug/L	50	40.4	81	45-146	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

LABORATORY CONTROL SAMPLE: 723018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	37.1	74	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	35.1	70	74-119	L2
1,2-Dichloropropane	ug/L	50	43.3	87	75-117	
Acetone	ug/L	50	41.9	84	23-188	IC
Bromochloromethane	ug/L	50	46.4	93	81-116	
Bromodichloromethane	ug/L	50	39.7	79	78-117	
Carbon tetrachloride	ug/L	50	34.1	68	59-120	
Chloroethane	ug/L	50	40.8	82	49-151	
Chloroform	ug/L	50	43.9	88	72-122	
Chloromethane	ug/L	50	43.8	88	46-144	
cis-1,2-Dichloroethene	ug/L	50	42.9	86	72-121	
cis-1,3-Dichloropropene	ug/L	50	38.4	77	78-116	L2
Dibromochloromethane	ug/L	50	39.0	78	70-120	
Methylene Chloride	ug/L	50	40.4	81	61-142	
Tetrachloroethene	ug/L	50	38.4	77	60-128	
trans-1,2-Dichloroethene	ug/L	50	39.2	78	56-142	
trans-1,3-Dichloropropene	ug/L	50	34.8	70	79-116	L2
trans-1,4-Dichloro-2-butene	ug/L	50	43.0	86	71-121	
Trichloroethene	ug/L	50	38.0	76	69-117	
Trichlorofluoromethane	ug/L	50	36.6	73	27-173	
Vinyl chloride	ug/L	50	41.3	83	43-143	
1,2-Dichloroethane-d4 (S)	%			88	68-153	
4-Bromofluorobenzene (S)	%			92	79-124	
Toluene-d8 (S)	%			97	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 723019 723020

Parameter	Units	70122380006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	38.5	43.1	77	86	65-118	11	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	42.7	45.0	85	90	74-121	5	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	43.1	44.6	86	89	80-117	4	
1,1-Dichloroethane	ug/L	<1.0	50	50	45.8	46.9	92	94	83-151	2	
1,1-Dichloroethene	ug/L	<1.0	50	50	46.1	47.3	92	95	45-146	3	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	38.7	39.8	77	80	71-123	3	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	34.3	37.7	69	75	74-119	9	M0
1,2-Dichloropropane	ug/L	<1.0	50	50	44.1	46.2	88	92	75-117	5	
Acetone	ug/L	<5.0	50	50	46.1	45.6	92	91	23-188	1	IC
Bromochloromethane	ug/L	<1.0	50	50	47.5	47.6	95	95	81-116	0	
Bromodichloromethane	ug/L	<1.0	50	50	40.2	41.8	80	84	78-117	4	
Carbon tetrachloride	ug/L	<1.0	50	50	43.3	48.8	87	98	59-120	12	
Chloroethane	ug/L	<1.0	50	50	48.3	47.0	97	94	49-151	3	
Chloroform	ug/L	1.0	50	50	47.8	50.0	94	98	72-122	4	
Chloromethane	ug/L	<1.0	50	50	46.8	49.4	94	99	46-144	5	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	46.7	47.6	93	95	72-121	2	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 723019 723020											
Parameter	Units	70122380006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	36.9	39.1	74	78	78-116	6	M0
Dibromochloromethane	ug/L	<1.0	50	50	39.8	40.6	80	81	70-120	2	
Methylene Chloride	ug/L	<1.0	50	50	45.3	46.3	91	93	61-142	2	
Tetrachloroethene	ug/L	7.0	50	50	50.6	50.7	87	87	60-128	0	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	47.0	47.6	94	95	56-142	1	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	33.0	35.1	66	70	79-116	6	M0
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	41.6	44.0	83	88	71-121	6	
Trichloroethene	ug/L	<1.0	50	50	41.9	43.7	84	87	69-117	4	
Trichlorofluoromethane	ug/L	<1.0	50	50	44.6	47.2	89	94	27-173	6	
Vinyl chloride	ug/L	<1.0	50	50	48.3	49.2	97	98	43-143	2	
1,2-Dichloroethane-d4 (S)	%						86	84	68-153		
4-Bromofluorobenzene (S)	%						92	91	79-124		
Toluene-d8 (S)	%						97	95	69-124		

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

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.

LABORATORIES

PACE-MV Pace Analytical Services - Melville

ANALYTE QUALIFIERS

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 2/14

Pace Project No.: 70122380

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70122380001	MW-1S	EPA 8260C/5030C	150649		
70122380002	MW-2S	EPA 8260C/5030C	150649		
70122380003	MW-5S	EPA 8260C/5030C	150649		
70122380004	MW-8S	EPA 8260C/5030C	150649		
70122380005	MW-10S	EPA 8260C/5030C	150649		
70122380006	MW-11S	EPA 8260C/5030C	150649		
70122380007	BD	EPA 8260C/5030C	150649		
70122380008	TRIP BLANK	EPA 8260C/5030C	150649		

REPORT OF LABORATORY ANALYSIS

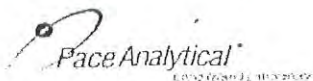
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704.223.80
Pace Analytical®
www.pacelabs.com

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

[illegible]



Sample Condition Upon Receipt

Client Name:

ENVIROTRAC

Pro

WO#: 70122380

PM: DJF Due Date: 02/28/20

CLIENT: ENVIROTRAC

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

Tracking #:

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 3.3

Cooler Temperature Corrected (°C): 3.5

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: JLS 2/19/20

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 ☒ NODid samples originate from a foreign source (internationally, 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 MS/MSD)	☒ 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/Analysis Matrix SL <u>WT</u> OIL			
All containers needing preservation have been checked	☐ Yes	☐ No ☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐ Yes	☐ No ☒ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No ☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #			
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No ☐ N/A	15.
Trip Blank Present:	☒ Yes	☐ No ☐ N/A	16.
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:

May 29, 2020

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: SUTTER AVENUE 5/20
Pace Project No.: 70131751

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 2020. 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,



Devon J. Fox
devon.fox@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Ms. Crystal Bakewicz, Envirotrac
Mike Rose, Envirotrac
Mr. Dan Ruffini, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70131751001	MW-1S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751002	MW-2S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751003	MW-5S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751004	MW-8S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751005	MW-10S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751006	MW-11S	EPA 8260C/5030C	BBL	29	PACE-MV
70131751007	BD	EPA 8260C/5030C	BBL	29	PACE-MV
70131751008	TRIP BLANK	EPA 8260C/5030C	BBL	29	PACE-MV

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: May 29, 2020

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

QC Batch: 161998

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BD (Lab ID: 70131751007)
 - Acetone
- BLANK (Lab ID: 780456)
 - Acetone
- LCS (Lab ID: 780457)
 - Acetone
- MS (Lab ID: 780656)
 - Acetone
- MSD (Lab ID: 780657)
 - Acetone
- MW-10S (Lab ID: 70131751005)
 - Acetone
- MW-11S (Lab ID: 70131751006)
 - Acetone
- MW-1S (Lab ID: 70131751001)
 - Acetone
- MW-2S (Lab ID: 70131751002)
 - Acetone
- MW-5S (Lab ID: 70131751003)
 - Acetone
- MW-8S (Lab ID: 70131751004)
 - Acetone
- TRIP BLANK (Lab ID: 70131751008)
 - Acetone

Continuing Calibration:

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

QC Batch: 161998

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 780457)
 - 1,1-Dichloroethene
- MS (Lab ID: 780656)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: May 29, 2020

QC Batch: 161998

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- 1,1-Dichloroethene
- MSD (Lab ID: 780657)
 - 1,1-Dichloroethene
- MW-8S (Lab ID: 70131751004)
 - 1,1-Dichloroethene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BD (Lab ID: 70131751007)
 - Chloromethane
- BLANK (Lab ID: 780456)
 - Chloromethane
- LCS (Lab ID: 780457)
 - Chloromethane
- MS (Lab ID: 780656)
 - Chloromethane
- MSD (Lab ID: 780657)
 - Chloromethane
- MW-10S (Lab ID: 70131751005)
 - Chloromethane
- MW-11S (Lab ID: 70131751006)
 - Chloromethane
- MW-1S (Lab ID: 70131751001)
 - Chloromethane
- MW-2S (Lab ID: 70131751002)
 - Chloromethane
- MW-5S (Lab ID: 70131751003)
 - Chloromethane
- MW-8S (Lab ID: 70131751004)
 - Chloromethane
- TRIP BLANK (Lab ID: 70131751008)
 - Chloromethane

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.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: May 29, 2020

QC Batch: 161998

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: 780457)
- Carbon tetrachloride

Matrix Spikes:

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

QC Batch: 161998

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70131751004

R1: RPD value was outside control limits.

- MSD (Lab ID: 780657)
 - 1,2-Dibromo-3-chloropropane
 - Chloromethane
 - Vinyl chloride

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: MW-1S		Lab ID: 70131751001		Collected: 05/20/20 13:00		Received: 05/20/20 15:15		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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 20:55	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 20:55	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 20:55	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 20:55	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 20:55	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 20:55	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 20:55	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 20:55	78-87-5		
Acetone	<5.0	ug/L	5.0	1		05/26/20 20:55	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 20:55	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 20:55	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 20:55	56-23-5	L1	
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 20:55	75-00-3		
Chloroform	7.1	ug/L	1.0	1		05/26/20 20:55	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 20:55	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 20:55	124-48-1		
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 20:55	75-09-2		
Tetrachloroethene	5.4	ug/L	1.0	1		05/26/20 20:55	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 20:55	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 20:55	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 20:55	75-01-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 20:55	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 20:55	10061-01-5		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 20:55	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 20:55	10061-02-6		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 20:55	110-57-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	111	%	68-153	1		05/26/20 20:55	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		05/26/20 20:55	460-00-4		
Toluene-d8 (S)	90	%	69-124	1		05/26/20 20:55	2037-26-5		

Sample: MW-2S		Lab ID: 70131751002		Collected: 05/20/20 11:10		Received: 05/20/20 15:15		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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:15	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 21:15	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:15	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:15	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:15	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:15	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 21:15	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:15	78-87-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: MW-2S	Lab ID: 70131751002	Collected: 05/20/20 11:10	Received: 05/20/20 15:15	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							
Acetone	<5.0	ug/L	5.0	1		05/26/20 21:15	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:15	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 21:15	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 21:15	56-23-5	L1
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 21:15	75-00-3	
Chloroform	5.7	ug/L	1.0	1		05/26/20 21:15	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 21:15	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:15	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 21:15	75-09-2	
Tetrachloroethene	<1.0	ug/L	1.0	1		05/26/20 21:15	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:15	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 21:15	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 21:15	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:15	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:15	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:15	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:15	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 21:15	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		05/26/20 21:15	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		05/26/20 21:15	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		05/26/20 21:15	2037-26-5	

Sample: MW-5S		Lab ID: 70131751003		Collected: 05/20/20 13:40		Received: 05/20/20 15:15		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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:35	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 21:35	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:35	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:35	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:35	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:35	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 21:35	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:35	78-87-5		
Acetone	<5.0	ug/L	5.0	1		05/26/20 21:35	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:35	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 21:35	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 21:35	56-23-5	L1	
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 21:35	75-00-3		
Chloroform	7.7	ug/L	1.0	1		05/26/20 21:35	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 21:35	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:35	124-48-1		

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: MW-5S		Lab ID: 70131751003	Collected: 05/20/20 13:40	Received: 05/20/20 15:15	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						
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 21:35	75-09-2	
Tetrachloroethene	14.3	ug/L	1.0	1		05/26/20 21:35	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:35	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 21:35	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 21:35	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:35	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:35	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:35	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:35	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 21:35	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		05/26/20 21:35	17060-07-0	
4-Bromofluorobenzene (S)	107	%	79-124	1		05/26/20 21:35	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		05/26/20 21:35	2037-26-5	

Sample: MW-8S		Lab ID: 70131751004	Collected: 05/20/20 14:00	Received: 05/20/20 15:15	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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:55	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 21:55	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:55	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 21:55	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:55	75-35-4	CH
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:55	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 21:55	96-12-8	R1
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 21:55	78-87-5	
Acetone	<5.0	ug/L	5.0	1		05/26/20 21:55	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:55	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 21:55	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 21:55	56-23-5	L1
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 21:55	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/26/20 21:55	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 21:55	74-87-3	CL,R1
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 21:55	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 21:55	75-09-2	
Tetrachloroethene	8.3	ug/L	1.0	1		05/26/20 21:55	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:55	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 21:55	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 21:55	75-01-4	R1
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:55	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:55	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 21:55	156-60-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: MW-8S		Lab ID: 70131751004	Collected: 05/20/20 14:00	Received: 05/20/20 15:15	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						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 21:55	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 21:55	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		05/26/20 21:55	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		05/26/20 21:55	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		05/26/20 21:55	2037-26-5	

Sample: MW-10S		Lab ID: 70131751005	Collected: 05/20/20 11:10	Received: 05/20/20 15:15	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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 22:15	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:15	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:15	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:15	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:15	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 22:15	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:15	78-87-5	
Acetone	<5.0	ug/L	5.0	1		05/26/20 22:15	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:15	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 22:15	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 22:15	56-23-5	L1
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 22:15	75-00-3	
Chloroform	3.3	ug/L	1.0	1		05/26/20 22:15	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 22:15	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:15	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 22:15	75-09-2	
Tetrachloroethene	59.8	ug/L	1.0	1		05/26/20 22:15	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:15	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 22:15	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 22:15	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:15	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:15	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:15	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:15	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 22:15	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		05/26/20 22:15	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		05/26/20 22:15	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		05/26/20 22:15	2037-26-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: MW-11S		Lab ID: 70131751006		Collected: 05/20/20 12:10		Received: 05/20/20 15:15		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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:34	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 22:34	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:34	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:34	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:34	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:34	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 22:34	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:34	78-87-5		
Acetone	<5.0	ug/L	5.0	1		05/26/20 22:34	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:34	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 22:34	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 22:34	56-23-5	L1	
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 22:34	75-00-3		
Chloroform	9.5	ug/L	1.0	1		05/26/20 22:34	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 22:34	74-87-3	CL	
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:34	124-48-1		
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 22:34	75-09-2		
Tetrachloroethene	1.5	ug/L	1.0	1		05/26/20 22:34	127-18-4		
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:34	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 22:34	75-69-4		
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 22:34	75-01-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:34	156-59-2		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:34	10061-01-5		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:34	156-60-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:34	10061-02-6		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 22:34	110-57-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		05/26/20 22:34	17060-07-0		
4-Bromofluorobenzene (S)	106	%	79-124	1		05/26/20 22:34	460-00-4		
Toluene-d8 (S)	90	%	69-124	1		05/26/20 22:34	2037-26-5		

Sample: BD		Lab ID: 70131751007		Collected: 05/20/20 12:10		Received: 05/20/20 15:15		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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:54	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 22:54	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:54	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 22:54	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:54	75-35-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:54	96-18-4		
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 22:54	96-12-8		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 22:54	78-87-5		

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: BD		Lab ID: 70131751007	Collected: 05/20/20 12:10	Received: 05/20/20 15:15	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						
Acetone	<5.0	ug/L	5.0	1		05/26/20 22:54	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:54	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 22:54	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 22:54	56-23-5	L1
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 22:54	75-00-3	
Chloroform	9.6	ug/L	1.0	1		05/26/20 22:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 22:54	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 22:54	124-48-1	
Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 22:54	75-09-2	
Tetrachloroethene	1.7	ug/L	1.0	1		05/26/20 22:54	127-18-4	
Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:54	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 22:54	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 22:54	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:54	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:54	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 22:54	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 22:54	10061-02-6	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 22:54	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		05/26/20 22:54	17060-07-0	
4-Bromofluorobenzene (S)	108	%	79-124	1		05/26/20 22:54	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		05/26/20 22:54	2037-26-5	

Sample: TRIP BLANK		Lab ID: 70131751008	Collected: 05/20/20 00:00	Received: 05/20/20 15:15	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-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 18:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/26/20 18:15	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/26/20 18:15	79-00-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/26/20 18:15	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 18:15	75-35-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/26/20 18:15	96-18-4	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		05/26/20 18:15	96-12-8	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/26/20 18:15	78-87-5	
Acetone	<5.0	ug/L	5.0	1		05/26/20 18:15	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		05/26/20 18:15	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/26/20 18:15	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/26/20 18:15	56-23-5	L1
Chloroethane	<1.0	ug/L	1.0	1		05/26/20 18:15	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/26/20 18:15	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/26/20 18:15	74-87-3	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		05/26/20 18:15	124-48-1	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Sample: TRIP BLANK		Lab ID: 70131751008		Collected: 05/20/20 00:00		Received: 05/20/20 15:15		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								
	Methylene Chloride	<1.0	ug/L	1.0	1		05/26/20 18:15	75-09-2	
	Tetrachloroethene	<1.0	ug/L	1.0	1		05/26/20 18:15	127-18-4	
	Trichloroethene	<1.0	ug/L	1.0	1		05/26/20 18:15	79-01-6	
	Trichlorofluoromethane	<1.0	ug/L	1.0	1		05/26/20 18:15	75-69-4	
	Vinyl chloride	<1.0	ug/L	1.0	1		05/26/20 18:15	75-01-4	
	cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 18:15	156-59-2	
	cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 18:15	10061-01-5	
	trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/26/20 18:15	156-60-5	
	trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/26/20 18:15	10061-02-6	
	trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/26/20 18:15	110-57-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		05/26/20 18:15	17060-07-0		
4-Bromofluorobenzene (S)	102	%	79-124	1		05/26/20 18:15	460-00-4		
Toluene-d8 (S)	94	%	69-124	1		05/26/20 18:15	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 5/20
Pace Project No.: 70131751

QC Batch:	161998	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70131751001, 70131751002, 70131751003, 70131751004, 70131751005, 70131751006, 70131751007, 70131751008

METHOD BLANK: 780456 Matrix: Water
Associated Lab Samples: 70131751001, 70131751002, 70131751003, 70131751004, 70131751005, 70131751006, 70131751007, 70131751008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/26/20 16:13	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/26/20 16:13	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/26/20 16:13	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/26/20 16:13	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/26/20 16:13	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	05/26/20 16:13	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	05/26/20 16:13	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/26/20 16:13	
Acetone	ug/L	<5.0	5.0	05/26/20 16:13	IC
Bromochloromethane	ug/L	<1.0	1.0	05/26/20 16:13	
Bromodichloromethane	ug/L	<1.0	1.0	05/26/20 16:13	
Carbon tetrachloride	ug/L	<1.0	1.0	05/26/20 16:13	
Chloroethane	ug/L	<1.0	1.0	05/26/20 16:13	
Chloroform	ug/L	<1.0	1.0	05/26/20 16:13	
Chloromethane	ug/L	<1.0	1.0	05/26/20 16:13	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	05/26/20 16:13	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/26/20 16:13	
Dibromochloromethane	ug/L	<1.0	1.0	05/26/20 16:13	
Methylene Chloride	ug/L	<1.0	1.0	05/26/20 16:13	
Tetrachloroethene	ug/L	<1.0	1.0	05/26/20 16:13	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	05/26/20 16:13	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/26/20 16:13	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	05/26/20 16:13	
Trichloroethene	ug/L	<1.0	1.0	05/26/20 16:13	
Trichlorofluoromethane	ug/L	<1.0	1.0	05/26/20 16:13	
Vinyl chloride	ug/L	<1.0	1.0	05/26/20 16:13	
1,2-Dichloroethane-d4 (S)	%	110	68-153	05/26/20 16:13	
4-Bromofluorobenzene (S)	%	108	79-124	05/26/20 16:13	
Toluene-d8 (S)	%	92	69-124	05/26/20 16:13	

LABORATORY CONTROL SAMPLE: 780457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	93	74-121	
1,1,2-Trichloroethane	ug/L	50	49.6	99	80-117	
1,1-Dichloroethane	ug/L	50	50.1	100	83-151	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

LABORATORY CONTROL SAMPLE: 780457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	56.3	113	45-146	CH
1,2,3-Trichloropropane	ug/L	50	46.7	93	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	57.7	115	74-119	
1,2-Dichloropropane	ug/L	50	46.2	92	75-117	
Acetone	ug/L	50	66.4	133	23-188	IC
Bromochloromethane	ug/L	50	52.2	104	81-116	
Bromodichloromethane	ug/L	50	58.5	117	78-117	
Carbon tetrachloride	ug/L	50	60.7	121	59-120	L1
Chloroethane	ug/L	50	61.1	122	49-151	
Chloroform	ug/L	50	53.2	106	72-122	
Chloromethane	ug/L	50	43.8	88	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	51.0	102	72-121	
cis-1,3-Dichloropropene	ug/L	50	57.8	116	78-116	
Dibromochloromethane	ug/L	50	59.5	119	70-120	
Methylene Chloride	ug/L	50	55.4	111	61-142	
Tetrachloroethene	ug/L	50	49.6	99	60-128	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	56-142	
trans-1,3-Dichloropropene	ug/L	50	51.7	103	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	48.8	98	71-121	
Trichloroethene	ug/L	50	51.1	102	69-117	
Trichlorofluoromethane	ug/L	50	70.3	141	27-173	
Vinyl chloride	ug/L	50	60.7	121	43-143	
1,2-Dichloroethane-d4 (S)	%			108	68-153	
4-Bromofluorobenzene (S)	%			105	79-124	
Toluene-d8 (S)	%			93	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780656

780657

Parameter	Units	70131751004		MS		MSD		MS		MSD		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	MS % Rec		
1,1,1-Trichloroethane	ug/L	<1.0	50	50	48.0	56.9	96	114	65-118	17									
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	42.9	47.9	86	96	74-121	11									
1,1,2-Trichloroethane	ug/L	<1.0	50	50	46.4	52.6	93	105	80-117	12									
1,1-Dichloroethane	ug/L	<1.0	50	50	43.5	50.6	87	101	83-151	15									
1,1-Dichloroethene	ug/L	<1.0	50	50	52.0	60.3	104	121	45-146	15	CH								
1,2,3-Trichloropropane	ug/L	<1.0	50	50	42.0	46.8	84	94	71-123	11									
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	41.3	55.6	83	111	74-119	29	R1								
1,2-Dichloropropane	ug/L	<1.0	50	50	42.0	47.6	84	95	75-117	12									
Acetone	ug/L	<5.0	50	50	46.5	42.5	93	85	23-188	9	IC								
Bromochloromethane	ug/L	<1.0	50	50	45.5	53.7	91	107	81-116	17									
Bromodichloromethane	ug/L	<1.0	50	50	47.6	56.6	95	113	78-117	17									
Carbon tetrachloride	ug/L	<1.0	50	50	48.1	59.0	96	118	59-120	20									
Chloroethane	ug/L	<1.0	50	50	49.8	57.3	100	115	49-151	14									
Chloroform	ug/L	<1.0	50	50	46.6	52.1	93	104	72-122	11									
Chloromethane	ug/L	<1.0	50	50	33.8	41.9	68	84	46-144	21	CL,R1								

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QUALITY CONTROL DATA

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780656 780657											
Parameter	Units	70131751004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	45.0	52.4	90	105	72-121	15	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	47.9	55.2	96	110	78-116	14	
Dibromochloromethane	ug/L	<1.0	50	50	47.8	55.5	96	111	70-120	15	
Methylene Chloride	ug/L	<1.0	50	50	47.4	54.5	95	109	61-142	14	
Tetrachloroethene	ug/L	8.3	50	50	50.6	58.4	84	100	60-128	14	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	44.4	52.2	89	104	56-142	16	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	42.2	49.3	84	99	79-116	16	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	37.2	42.5	74	85	71-121	13	
Trichloroethene	ug/L	<1.0	50	50	45.9	53.8	92	108	69-117	16	
Trichlorofluoromethane	ug/L	<1.0	50	50	58.5	66.5	117	133	27-173	13	
Vinyl chloride	ug/L	<1.0	50	50	45.3	60.2	91	120	43-143	28	R1
1,2-Dichloroethane-d4 (S)	%						107	104	68-153		
4-Bromofluorobenzene (S)	%						105	108	79-124		
Toluene-d8 (S)	%						92	94	69-124		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

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

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE 5/20

Pace Project No.: 70131751

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70131751001	MW-1S	EPA 8260C/5030C	161998		
70131751002	MW-2S	EPA 8260C/5030C	161998		
70131751003	MW-5S	EPA 8260C/5030C	161998		
70131751004	MW-8S	EPA 8260C/5030C	161998		
70131751005	MW-10S	EPA 8260C/5030C	161998		
70131751006	MW-11S	EPA 8260C/5030C	161998		
70131751007	BD	EPA 8260C/5030C	161998		
70131751008	TRIP BLANK	EPA 8260C/5030C	161998		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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



Section A Required Client Information: Company: EnviroTrac Ltd. Address: 5 Old Dock Road Yaphank, NY 11980 Email To: tracyw@envirotrac.com Phone: 631-924-3001 Fax: 631-924-5001 Requested Due Date/TAT: 5 days		Section B Required Project Information: Report To: Tracy Wall Copy To: Purchase Order No.: Project Name: Sutter Avenue Project Number: 01 991373 00 Task 08 0000		Section C Invoice Information: Attention: Tracy Wall Company Name: Address: Pace Quote Reference: Pace Project Manager: Pace Profile #:		Page: 1 of 1	
REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER				Site Location STATE: NY			

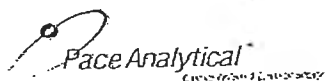
WO#: 70131751

70131751

Section D		COLLECTED		SAMPLE TEMP AT COLLECTION		Preservatives										Analysis Test ↑		V/N ↓		VOCs 8260, chlorinated list only												Residual Chlorine (Y/N)		Pace Project No./ Lab I.D.	
ITEM #	MATRIX	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Y	N	TIME	DATE	TIME	DATE	SAMPLE CONDITIONS		Pace Project No./ Lab I.D.									
																								TIME	DATE										
1	MW-1S	WT G	5/20/20	1000					3																	001									
2	MW-2S																									002									
3	MW-5S																									003									
4	MW-8S																									004									
5	MW-10S																									005									
6	MW-11S																									006									
7	MS																									007									
8	MSD																									008									
9	BD																									009									
10	Trip Blank																									010									
11																										011									
12																										012									
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		Pace Project No./ Lab I.D.																			
Request NYSDEC Category B		Durrell		5/20/20		3:12pm		J. Osifchok		5/20/20		15:15		N		N																			
Deliverables & EDD																																			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Joseph Osifchok		DATE Signed (MM/DD/YY):	
SIGNATURE of SAMPLER: <i>[Signature]</i>		Temp in °C	
		Received on	
		Sealed Cooler	
		Custody (Y/N)	
		Samples Intact (Y/N)	

Sample Condition Upon Receipt



Client Name:

EnviroTrace

Project

WO#: 70131751

PM: DJF

Due Date: 06/01/20

CLIENT: ENVIROTRAC

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: +0.2

Cooler Temperature (°C): 12.9

Cooler Temperature Corrected (°C): 130

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

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: 5/20/20 ED

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

Did samples originate from a foreign source (internationally, 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 MS/MSD)	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
-Pace Containers Used:	☒ Yes	☐ No		10.
Containers Intact:	☒ Yes	☐ No		11.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☒ N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒ Yes	☐ No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☒ Yes	☐ No	☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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 #				
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	15.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

Field Data Required?

Y / N

Date/Time:

September 04, 2020

Tracy Wall
Envirotrac Ltd.
5 Old Dock Rd.
Yaphank, NY 11980

RE: Project: SUTTER AVENUE - 8/26
Pace Project No.: 70143918

Dear Tracy Wall:

Enclosed are the analytical results for sample(s) received by the laboratory on August 28, 2020. 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
Mr. Dan Ruffini, Envirotrac
Mr. Ed Russo, Envirotrac



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70143918001	MW-1S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918002	MW-2S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918003	MW-5S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918004	MW-8S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918005	MW-10S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918006	MW-11S	EPA 8260C/5030C	GKB	29	PACE-MV
70143918007	BD	EPA 8260C/5030C	GKB	29	PACE-MV
70143918008	TRIP BLANK	EPA 8260C/5030C	GKB	29	PACE-MV

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: September 04, 2020

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

QC Batch: 175422

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BD (Lab ID: 70143918007)
 - Acetone
- BLANK (Lab ID: 850781)
 - Acetone
- LCS (Lab ID: 850782)
 - Acetone
- MS (Lab ID: 850783)
 - Acetone
- MSD (Lab ID: 850784)
 - Acetone
- MW-10S (Lab ID: 70143918005)
 - Acetone
- MW-11S (Lab ID: 70143918006)
 - Acetone
- MW-1S (Lab ID: 70143918001)
 - Acetone
- MW-2S (Lab ID: 70143918002)
 - Acetone
- MW-5S (Lab ID: 70143918003)
 - Acetone
- MW-8S (Lab ID: 70143918004)
 - Acetone
- TRIP BLANK (Lab ID: 70143918008)
 - Acetone

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

- LCS (Lab ID: 850782)
 - Vinyl chloride
- MS (Lab ID: 850783)
 - Vinyl chloride
- MSD (Lab ID: 850784)
 - Vinyl chloride
- MW-11S (Lab ID: 70143918006)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: September 04, 2020

QC Batch: 175422

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

- Vinyl chloride

Continuing Calibration:

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

QC Batch: 175422

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 850782)
 - Acetone
 - Bromochloromethane
- MS (Lab ID: 850783)
 - Acetone
 - Bromochloromethane
- MSD (Lab ID: 850784)
 - Acetone
 - Bromochloromethane
- MW-10S (Lab ID: 70143918005)
 - Acetone
- MW-11S (Lab ID: 70143918006)
 - Acetone
 - Bromochloromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BD (Lab ID: 70143918007)
 - Chloromethane
- BLANK (Lab ID: 850781)
 - Chloromethane
- LCS (Lab ID: 850782)
 - Chloromethane
- MS (Lab ID: 850783)
 - Chloromethane
- MSD (Lab ID: 850784)
 - Chloromethane
- MW-10S (Lab ID: 70143918005)
 - Chloromethane
- MW-11S (Lab ID: 70143918006)
 - Chloromethane
- MW-1S (Lab ID: 70143918001)
 - Chloromethane
- MW-2S (Lab ID: 70143918002)
 - Chloromethane
- MW-5S (Lab ID: 70143918003)
 - Chloromethane
- MW-8S (Lab ID: 70143918004)

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PROJECT NARRATIVE

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: EnviroTrac Ltd.

Date: September 04, 2020

QC Batch: 175422

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Chloromethane
- TRIP BLANK (Lab ID: 70143918008)
- Chloromethane

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.

QC Batch: 175422

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: 850782)
- Bromochloromethane

Matrix Spikes:

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

QC Batch: 175422

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70143918006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 850783)
 - cis-1,3-Dichloropropene
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 850784)
 - trans-1,3-Dichloropropene

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: MW-1S		Lab ID: 70143918001	Collected: 08/26/20 08:45	Received: 08/28/20 16:03	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						
Acetone	<5.0	ug/L	5.0	1		09/01/20 14:27	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 14:27	74-97-5	L1
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 14:27	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 14:27	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 14:27	75-00-3	
Chloroform	3.7	ug/L	1.0	1		09/01/20 14:27	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 14:27	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 14:27	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 14:27	124-48-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 14:27	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:27	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:27	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:27	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:27	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 14:27	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 14:27	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 14:27	10061-02-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 14:27	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 14:27	79-34-5	
Tetrachloroethene	14.4	ug/L	1.0	1		09/01/20 14:27	127-18-4	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:27	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:27	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:27	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 14:27	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 14:27	96-18-4	
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 14:27	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		09/01/20 14:27	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		09/01/20 14:27	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		09/01/20 14:27	2037-26-5	

Sample: MW-2S		Lab ID: 70143918002	Collected: 08/26/20 08:15	Received: 08/28/20 16:03	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						
Acetone	<5.0	ug/L	5.0	1		09/01/20 14:50	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 14:50	74-97-5	L1
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 14:50	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 14:50	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 14:50	75-00-3	
Chloroform	4.9	ug/L	1.0	1		09/01/20 14:50	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 14:50	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 14:50	96-12-8	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: MW-2S		Lab ID: 70143918002		Collected: 08/26/20 08:15		Received: 08/28/20 16:03		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								
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 14:50	124-48-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 14:50	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:50	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:50	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:50	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:50	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 14:50	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 14:50	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 14:50	10061-02-6		
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 14:50	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 14:50	79-34-5		
Tetrachloroethene	1.5	ug/L	1.0	1		09/01/20 14:50	127-18-4		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:50	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 14:50	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 14:50	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 14:50	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 14:50	96-18-4		
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 14:50	75-01-4		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		09/01/20 14:50	17060-07-0		
4-Bromofluorobenzene (S)	93	%	79-124	1		09/01/20 14:50	460-00-4		
Toluene-d8 (S)	93	%	69-124	1		09/01/20 14:50	2037-26-5		

Sample: MW-5S	Lab ID: 70143918003	Collected: 08/26/20 09:30	Received: 08/28/20 16:03	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							
Acetone	<5.0	ug/L	5.0	1		09/01/20 15:13	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:13	74-97-5	L1
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 15:13	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 15:13	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 15:13	75-00-3	
Chloroform	5.1	ug/L	1.0	1		09/01/20 15:13	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 15:13	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 15:13	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:13	124-48-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 15:13	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:13	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:13	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:13	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:13	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:13	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:13	10061-01-5	

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: MW-5S		Lab ID: 70143918003		Collected: 08/26/20 09:30		Received: 08/28/20 16:03		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							
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:13	10061-02-6		
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 15:13	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 15:13	79-34-5		
Tetrachloroethene	6.8	ug/L	1.0	1		09/01/20 15:13	127-18-4		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:13	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:13	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:13	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 15:13	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:13	96-18-4		
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 15:13	75-01-4		
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		09/01/20 15:13	17060-07-0		
4-Bromofluorobenzene (S)	93	%	79-124	1		09/01/20 15:13	460-00-4		
Toluene-d8 (S)	93	%	69-124	1		09/01/20 15:13	2037-26-5		

Sample: MW-8S		Lab ID: 70143918004		Collected: 08/26/20 10:20		Received: 08/28/20 16:03		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							
Acetone	<5.0	ug/L	5.0	1		09/01/20 15:36	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:36	74-97-5	L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 15:36	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 15:36	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 15:36	75-00-3		
Chloroform	1.3	ug/L	1.0	1		09/01/20 15:36	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 15:36	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 15:36	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:36	124-48-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 15:36	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:36	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:36	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:36	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:36	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:36	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:36	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:36	10061-02-6		
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 15:36	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 15:36	79-34-5		
Tetrachloroethene	5.2	ug/L	1.0	1		09/01/20 15:36	127-18-4		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:36	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:36	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:36	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 15:36	75-69-4		

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: MW-8S		Lab ID: 70143918004	Collected: 08/26/20 10:20	Received: 08/28/20 16:03	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						
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:36	96-18-4	
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 15:36	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		09/01/20 15:36	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		09/01/20 15:36	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		09/01/20 15:36	2037-26-5	

Sample: MW-10S		Lab ID: 70143918005	Collected: 08/26/20 11:40	Received: 08/28/20 16:03	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						
Acetone	<5.0	ug/L	5.0	1		09/01/20 15:59	67-64-1	CH,IC
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:59	74-97-5	L1
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 15:59	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 15:59	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 15:59	75-00-3	
Chloroform	2.7	ug/L	1.0	1		09/01/20 15:59	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 15:59	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 15:59	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 15:59	124-48-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 15:59	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:59	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:59	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:59	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:59	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:59	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:59	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 15:59	10061-02-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 15:59	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 15:59	79-34-5	
Tetrachloroethene	47.1	ug/L	1.0	1		09/01/20 15:59	127-18-4	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:59	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 15:59	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 15:59	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 15:59	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 15:59	96-18-4	
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 15:59	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		09/01/20 15:59	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		09/01/20 15:59	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		09/01/20 15:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: MW-11S		Lab ID: 70143918006		Collected: 08/26/20 10:20		Received: 08/28/20 16:03		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								
Acetone	<5.0	ug/L	5.0	1		09/01/20 16:22	67-64-1	CH,IC	
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 16:22	74-97-5	CH,L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 16:22	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 16:22	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 16:22	75-00-3		
Chloroform	6.7	ug/L	1.0	1		09/01/20 16:22	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 16:22	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 16:22	96-12-8		
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 16:22	124-48-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 16:22	110-57-6		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:22	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:22	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:22	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:22	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 16:22	78-87-5		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 16:22	10061-01-5	M1	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 16:22	10061-02-6	M1	
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 16:22	75-09-2		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 16:22	79-34-5		
Tetrachloroethene	1.2	ug/L	1.0	1		09/01/20 16:22	127-18-4		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:22	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:22	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:22	79-01-6		
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 16:22	75-69-4		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 16:22	96-18-4		
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 16:22	75-01-4	IH	
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		09/01/20 16:22	17060-07-0		
4-Bromofluorobenzene (S)	94	%	79-124	1		09/01/20 16:22	460-00-4		
Toluene-d8 (S)	93	%	69-124	1		09/01/20 16:22	2037-26-5		

Sample: BD		Lab ID: 70143918007		Collected: 08/26/20 07:45		Received: 08/28/20 16:03		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							
Acetone	<5.0	ug/L	5.0	1		09/01/20 16:45	67-64-1	IC	
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 16:45	74-97-5	L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 16:45	75-27-4		
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 16:45	56-23-5		
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 16:45	75-00-3		
Chloroform	6.4	ug/L	1.0	1		09/01/20 16:45	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 16:45	74-87-3	CL	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 16:45	96-12-8		

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: BD		Lab ID: 70143918007	Collected: 08/26/20 07:45	Received: 08/28/20 16:03	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						
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 16:45	124-48-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 16:45	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:45	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:45	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:45	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:45	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 16:45	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 16:45	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 16:45	10061-02-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 16:45	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 16:45	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		09/01/20 16:45	127-18-4	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:45	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 16:45	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 16:45	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 16:45	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 16:45	96-18-4	
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 16:45	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		09/01/20 16:45	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124	1		09/01/20 16:45	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		09/01/20 16:45	2037-26-5	

Sample: TRIP BLANK		Lab ID: 70143918008	Collected: 08/26/20 00:00	Received: 08/28/20 16:03	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						
Acetone	<5.0	ug/L	5.0	1		09/01/20 13:20	67-64-1	IC
Bromochloromethane	<1.0	ug/L	1.0	1		09/01/20 13:20	74-97-5	L1
Bromodichloromethane	<1.0	ug/L	1.0	1		09/01/20 13:20	75-27-4	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/01/20 13:20	56-23-5	
Chloroethane	<1.0	ug/L	1.0	1		09/01/20 13:20	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/01/20 13:20	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/01/20 13:20	74-87-3	CL
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		09/01/20 13:20	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/01/20 13:20	124-48-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/01/20 13:20	110-57-6	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/01/20 13:20	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 13:20	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 13:20	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/01/20 13:20	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/01/20 13:20	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 13:20	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Sample: TRIP BLANK		Lab ID: 70143918008	Collected: 08/26/20 00:00	Received: 08/28/20 16:03	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						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/01/20 13:20	10061-02-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/01/20 13:20	75-09-2	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/01/20 13:20	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		09/01/20 13:20	127-18-4	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 13:20	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/01/20 13:20	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/01/20 13:20	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		09/01/20 13:20	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/01/20 13:20	96-18-4	
Vinyl chloride	<1.0	ug/L	1.0	1		09/01/20 13:20	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		09/01/20 13:20	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		09/01/20 13:20	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		09/01/20 13:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

QC Batch:	175422	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70143918001, 70143918002, 70143918003, 70143918004, 70143918005, 70143918006, 70143918007, 70143918008		

METHOD BLANK: 850781

Matrix: Water

Associated Lab Samples: 70143918001, 70143918002, 70143918003, 70143918004, 70143918005, 70143918006, 70143918007, 70143918008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/01/20 11:02	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/01/20 11:02	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/01/20 11:02	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/01/20 11:02	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/01/20 11:02	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/01/20 11:02	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	09/01/20 11:02	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/01/20 11:02	
Acetone	ug/L	<5.0	5.0	09/01/20 11:02	IC
Bromochloromethane	ug/L	<1.0	1.0	09/01/20 11:02	
Bromodichloromethane	ug/L	<1.0	1.0	09/01/20 11:02	
Carbon tetrachloride	ug/L	<1.0	1.0	09/01/20 11:02	
Chloroethane	ug/L	<1.0	1.0	09/01/20 11:02	
Chloroform	ug/L	<1.0	1.0	09/01/20 11:02	
Chloromethane	ug/L	<1.0	1.0	09/01/20 11:02	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/01/20 11:02	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/01/20 11:02	
Dibromochloromethane	ug/L	<1.0	1.0	09/01/20 11:02	
Methylene Chloride	ug/L	<1.0	1.0	09/01/20 11:02	
Tetrachloroethene	ug/L	<1.0	1.0	09/01/20 11:02	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/01/20 11:02	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/01/20 11:02	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/01/20 11:02	
Trichloroethene	ug/L	<1.0	1.0	09/01/20 11:02	
Trichlorofluoromethane	ug/L	<1.0	1.0	09/01/20 11:02	
Vinyl chloride	ug/L	<1.0	1.0	09/01/20 11:02	
1,2-Dichloroethane-d4 (S)	%	92	68-153	09/01/20 11:02	
4-Bromofluorobenzene (S)	%	91	79-124	09/01/20 11:02	
Toluene-d8 (S)	%	93	69-124	09/01/20 11:02	

LABORATORY CONTROL SAMPLE: 850782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.0	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	56.3	113	74-121	
1,1,2-Trichloroethane	ug/L	50	55.6	111	80-117	
1,1-Dichloroethane	ug/L	50	54.5	109	83-151	

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QUALITY CONTROL DATA

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

LABORATORY CONTROL SAMPLE: 850782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	50.5	101	45-146	
1,2,3-Trichloropropane	ug/L	50	50.5	101	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	47.6	95	74-119	
1,2-Dichloropropane	ug/L	50	51.3	103	75-117	
Acetone	ug/L	50	80.7	161	23-188	CH,IC
Bromochloromethane	ug/L	50	60.5	121	81-116	CH,L1
Bromodichloromethane	ug/L	50	48.9	98	78-117	
Carbon tetrachloride	ug/L	50	46.3	93	59-120	
Chloroethane	ug/L	50	51.1	102	49-151	
Chloroform	ug/L	50	55.4	111	72-122	
Chloromethane	ug/L	50	36.9	74	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	56.9	114	72-121	
cis-1,3-Dichloropropene	ug/L	50	44.2	88	78-116	
Dibromochloromethane	ug/L	50	53.8	108	70-120	
Methylene Chloride	ug/L	50	56.3	113	61-142	
Tetrachloroethene	ug/L	50	48.5	97	60-128	
trans-1,2-Dichloroethene	ug/L	50	55.3	111	56-142	
trans-1,3-Dichloropropene	ug/L	50	40.2	80	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	44.6	89	71-121	
Trichloroethene	ug/L	50	49.5	99	69-117	
Trichlorofluoromethane	ug/L	50	49.1	98	27-173	
Vinyl chloride	ug/L	50	44.7	89	43-143	IH
1,2-Dichloroethane-d4 (S)	%			90	68-153	
4-Bromofluorobenzene (S)	%			95	79-124	
Toluene-d8 (S)	%			94	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 850783 850784

Parameter	Units	70143918006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	38.5	42.3	77	85	65-118	9	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	47.0	49.8	94	100	74-121	6	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	46.8	50.6	94	101	80-117	8	
1,1-Dichloroethane	ug/L	<1.0	50	50	49.4	53.0	99	106	83-151	7	
1,1-Dichloroethene	ug/L	<1.0	50	50	50.2	53.8	100	108	45-146	7	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	41.4	44.8	83	90	71-123	8	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	37.8	40.3	76	81	74-119	6	
1,2-Dichloropropane	ug/L	<1.0	50	50	44.7	48.6	89	97	75-117	8	
Acetone	ug/L	<5.0	50	50	50.8	54.8	102	110	23-188	8	CH,IC
Bromochloromethane	ug/L	<1.0	50	50	52.9	57.4	106	115	81-116	8	CH
Bromodichloromethane	ug/L	<1.0	50	50	42.8	46.4	86	93	78-117	8	
Carbon tetrachloride	ug/L	<1.0	50	50	43.8	47.8	88	96	59-120	9	
Chloroethane	ug/L	<1.0	50	50	50.1	52.5	100	105	49-151	5	
Chloroform	ug/L	6.7	50	50	56.4	59.7	99	106	72-122	6	
Chloromethane	ug/L	<1.0	50	50	34.3	37.1	69	74	46-144	8	CL

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QUALITY CONTROL DATA

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 850783 850784											
Parameter	Units	70143918006		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	50	51.5	54.7	103	109	72-121	6
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	37.3	40.7	75	81	78-116	9 M1
Dibromochloromethane	ug/L	<1.0	50	50	50	45.4	49.3	91	99	70-120	8
Methylene Chloride	ug/L	<1.0	50	50	50	50.6	53.3	101	107	61-142	5
Tetrachloroethene	ug/L	1.2	50	50	50	47.0	50.3	92	98	60-128	7
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50	52.3	56.1	105	112	56-142	7
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	32.4	36.1	65	72	79-116	11 M1
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	50	36.6	38.3	73	77	71-121	5
Trichloroethene	ug/L	<1.0	50	50	50	46.1	49.6	92	99	69-117	7
Trichlorofluoromethane	ug/L	<1.0	50	50	50	48.4	51.9	97	104	27-173	7
Vinyl chloride	ug/L	<1.0	50	50	50	43.0	46.9	86	94	43-143	9 IH
1,2-Dichloroethane-d4 (S)	%							90	90	68-153	
4-Bromofluorobenzene (S)	%							95	94	79-124	
Toluene-d8 (S)	%							94	94	69-124	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUTTER AVENUE - 8/26
Pace Project No.: 70143918

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

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUTTER AVENUE - 8/26

Pace Project No.: 70143918

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70143918001	MW-1S	EPA 8260C/5030C	175422		
70143918002	MW-2S	EPA 8260C/5030C	175422		
70143918003	MW-5S	EPA 8260C/5030C	175422		
70143918004	MW-8S	EPA 8260C/5030C	175422		
70143918005	MW-10S	EPA 8260C/5030C	175422		
70143918006	MW-11S	EPA 8260C/5030C	175422		
70143918007	BD	EPA 8260C/5030C	175422		
70143918008	TRIP BLANK	EPA 8260C/5030C	175422		

REPORT OF LABORATORY ANALYSIS

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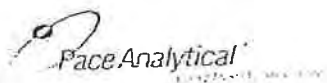
70143918



Pace Analytical
www.pacelabs.com

Section A Required Client Information: Company: Enviro Trac Ltd. Address: 5 Old Dock Road Yaphank, NY 11980 Email To: tracyw@envirotrac.com Phone: 631-924-3000 Fax: 631-924-5001 Requested Due Date/TAT: 5 days		Section B Required Project Information: Report To: Tracy Wall Copy To: _____ Purchase Order No.: _____ Project Name: Sutter Avenue Project Number: 01 991373.00 Task 08.0000		Section C Invoice Information: Attention: Tracy Wall Company Name: _____ Address: _____ Price Quote Reference: _____ Price Project Manager: _____ Price Profile #: _____		Page: 1 of 1																																																																																																																																																																																												
REGULATORY AGENCY ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____ Site Location: NY STATE																																																																																																																																																																																																		
Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ITEM #</th> <th rowspan="2">Matrix Codes MATRIX / CODE</th> <th colspan="2">COLLECTED</th> <th rowspan="2">SAMPLE TYPE (G=GRAB C=COMP)</th> <th rowspan="2">MATRIX CODE (see valid codes to left)</th> <th colspan="2">SAMPLE TEMP AT COLLECTION</th> <th rowspan="2"># OF CONTAINERS</th> <th rowspan="2">Preservatives</th> <th rowspan="2">Analyte Test 1</th> <th rowspan="2">Y/N</th> <th rowspan="2">Residual Chlorine (Y/N)</th> <th rowspan="2">Pace Project No./ Lab I.D.</th> </tr> <tr> <th>COMPOSITE START</th> <th>COMPOSITE END/GRAB</th> <th>DATE</th> <th>TIME</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MW-1S</td> <td></td> <td></td> <td>WT G</td> <td>WT</td> <td>8/26/20</td> <td>14:45</td> <td>3</td> <td>Unpreserved</td> <td>VOCs 8260, chlorinated list only</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>MW-2S</td> <td></td> <td></td> <td></td> <td></td> <td>8/26/20</td> <td>8:15</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>MW-5S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9:30</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>MW-8S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10:20</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>MW-10S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11:40</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>MW-11S</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7:45</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>MS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10:20</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>MSD</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10:20</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>BD</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7:45</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>Trip Blank</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							ITEM #	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	Preservatives	Analyte Test 1	Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	1	MW-1S			WT G	WT	8/26/20	14:45	3	Unpreserved	VOCs 8260, chlorinated list only				2	MW-2S					8/26/20	8:15	1						3	MW-5S						9:30	1						4	MW-8S						10:20	1						5	MW-10S						11:40	1						6	MW-11S						7:45	1						7	MS						10:20	1						8	MSD						10:20	1						9	BD						7:45	20						10	Trip Blank													11														12													
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Sample Condition Upon Receipt



Client Name:

Speedway

Project

WO#: 70143918

PM: STS

Due Date: 09/04/20

CLIENT: ENVIROTRAC

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: +0.4

Cooler Temperature (°C): 4.5

Cooler Temperature Corrected (°C): 4.9

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

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: KW 8/28/20

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

Did samples originate from a foreign source (internationally, 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 MS/MSD)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	10.
Containers Intact:	☒ Yes ☐ No	11. Note if sediment is visible in the dissolved container.
Filtered volume received for Dissolved tests	☒ Yes ☐ No ☐ N/A	12.
Sample Labels match COC:	☒ Yes ☐ No	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
-Includes date/time/ID/Analysis Matrix SL WT OIL		Sample #
All containers needing preservation have been checked	☒ Yes ☐ No ☐ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
pH paper Lot #		
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	15.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if applicable):		

Field Data Required?

Y / N

Date/Time:

Client Notification/ Resolution:

Person Contacted:

Comments/ Resolution:

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

F-LI-C-002-rev.02

APPENDIX C

Site Management Forms



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

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

Date: 8/28/20
 Weather / Temp: Sun + clouds 85°F
 Technician / Operator: Joseph Osifchuk

Arrival Time: 0830

Departure Time: 1300

System Status				
	Arrival	Departure		
SVE Blower 1 (ON/OFF)	<u>on</u>	<u>on</u>	SVE Blower 1 Run Time (Hrs)	<u>6824.4</u>
Sensaphone (ON/OFF)	<u>off</u>	<u>off</u>		
Soil Vapor Extraction System				
Total Air Flow Rate (cfm)	<u>160</u>			
Inline Air Filter (F-1) Inlet Vacuum ("H2O)	<u>82</u>			
Inlet Vacuum ("H2O)	<u>84</u>			
Fresh Air Valve Open (%)	<u>0</u>			
Inlet Temperature (°F)	<u>70</u>			
Outlet Temperature (°F)	<u>170</u>			
Outlet Pressure ("H2O)	<u>4</u>		Moisture Separator Tank Level (gal)	
SVE Manifold Legs - Vacuum/Flow Rate/PID				
SVE/SSD-7 ("H2O)/(cfm)/(ppm)	<u>74</u>	<u>45</u>	<u>0.0</u>	
SVE/SSD-8 ("H2O)/(cfm)/(ppm)	<u>75</u>	<u>50</u>	<u>0.2</u>	
SVE-9 ("H2O)/(cfm)/(ppm)	<u>70</u>	<u>48</u>	<u>0.3</u>	
SVE-10 ("H2O)/(cfm)/(ppm)	<u>74</u>	<u>70</u>	<u>0.4</u>	
Soil Vapor Monitoring Points - Vacuum Influence/PID				
VMP-1 <u>MW-1</u> ("H2O)/(ppm)	<u>0.028</u>	<u>—</u>		
VMP-2 <u>MW-2</u> ("H2O)/(ppm)	<u>0.019</u>	<u>—</u>		
VMP-3 <u>MW-3</u> ("H2O)/(ppm)	<u>0.029</u>	<u>—</u>		
VMP-4 ("H2O)/(ppm)	<u>—</u>	<u>—</u>		
VMP-5 ("H2O)/(ppm)	<u>—</u>	<u>—</u>		
VMP-6 ("H2O)/(ppm)	<u>0.250</u>	<u>0.2</u>		
VMP-7 ("H2O)/(ppm)	<u>0.820</u>	<u>0.6</u>		

Notes, Comments & Observations:



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

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

Date: 8/28/20
 Weather / Temp: Sun + clouds 85°F
 Technician / Operator: Joseph Osifchok

Arrival Time: 08:30
 Departure Time: 1300

System Status				
	Arrival	Departure		
AS Compressor 1 (ON/OFF)	<u>off</u>	<u>off</u>	AS Compressor 1 Run Time (Hrs)	<u>—</u>
Sensaphone (ON/OFF)				
Air Sparge System				
Total Air Flow Rate (cfm)				
Inline Air Filter (F-1) Inlet Vacuum ("H2O)				
Inlet Vacuum ("H2O)				
Fresh Air Valve Open (%)				
Inlet Temperature (°F)				
Outlet Temperature (°F)				
Outlet Pressure ("H2O)				
AS Well Legs - Air Flow Rate				
AS-1 (cfm)				
AS-2 (cfm)				
AS-3 (cfm)				
Monitoring Points - Air Flow Rate				
MW-3S				

Notes, Comments & Observations: Carbon vane needs to be replaced.



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:

8/28/20

Arrival Time:

0830

Weather / Temp:

Sun + clouds 85°F

Departure Time:

1300

Technician / Operator:

Joseph Osifchuk

System Status

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

Sub-Slab Depressurization System

Total Air Flow Rate (cfm)	68.5		
Inline Air Filter (F-1) Inlet Vacuum ("H2O)			
Inlet Vacuum ("H2O)			
Fresh Air Valve Open (%)			
Inlet Temperature (°F)			
Outlet Temperature (°F)			
Outlet Pressure ("H2O)			

SSDS Extraction Points - Vacuum/Flow Rate/PID

SSD-1 ("H2O)/(cfm)/(ppm)	6	15	0.1	SSD-5 ("H2O)/(cfm)/(ppm)	6	14	0.0
SSD-2 ("H2O)/(cfm)/(ppm)	6	10	0.4	SSD-6 ("H2O)/(cfm)/(ppm)	6	8.2	0.2
SSD-3 ("H2O)/(cfm)/(ppm)	6	15	0.3				
SSD-4 ("H2O)/(cfm)/(ppm)	12	6.3	0.2				

Soil Vapor Monitoring Points - Vacuum Influence/PID

VMP-1 ("H2O)/(ppm)	0.413	0.0	
VMP-2 ("H2O)/(ppm)	Blocked	by equipment/shelving/pallets	
VMP-3 ("H2O)/(ppm)	0.528	0.0	
VMP-4 ("H2O)/(ppm)	Blocked	by equipment/shelving/pallets	
VMP-5 ("H2O)/(ppm)	0.288	0.3	
VMP-6 ("H2O)/(ppm)	0.250	0.2	
VMP-7 ("H2O)/(ppm)	0.820	0.6	

Notes, Comments & Observations:

APPENDIX D

Site Inspection Form



Site Inspection Form

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

Date: 8/28/20

Personnel: Joseph Ositchok

Weather: Sun + clouds 85°F

Reporting Period: 8/28/20

SVE Piping: Observed in good condition

SVE Gauges: Observed in good condition

SVE blowers: observed in good condition

AS Piping: Observed in good condition

AS Gauges: Observed in good condition

AS Compressor: Carbon vane should be replaced
AS system compressor is not operating

Monitoring
Wells: Observed in good condition

Miscellaneous

Site Conditions: An empty drum brought to the site is
now being used as a garbage can.