



QUARTERLY MONITORING REPORT

Site: 1199 Sutter Avenue 1199 Sutter Avenue Brooklyn, NY (Site) BCP Site No. 224141	NYSDEC Contact: Michael MacCabe, PE, Region 3 NYSDOH Contact: Wendy Kuehner
Client: AAA Sutter Realty	Consultant: EnviroTrac Ltd. Project Contact: Tracy Wall, PG

Report Date: June 10, 2020

Status Summary:

- Previous subsurface investigations and interim cleanup activities were conducted at the Site from January 2009 through March 2017, and included a non-emergency IRM in August 2009, which consisted of an in-situ chemical oxidation (ISCO) treatment of on-Site groundwater. The results of the investigations determined that a source of chlorinated volatile organic compounds (CVOCs) is present in the soil beneath the former dry cleaner located on the eastern portion of the building at 1199 Sutter Avenue, and to the north of the former dry cleaner beneath the parking lot. This has contributed to CVOC detections in groundwater beneath and downgradient of the Site that extends across Sutter Avenue, and CVOC detections in soil vapor beneath the Site.
- A non-emergency IRM was implemented at the Site in accordance with the NYSDEC-approved IRM Work Plan dated March 28, 2017. The NYSDEC provided a Fact Sheet for the proposed IRM Work Plan on March 29, 2017 and accepted written comments from the public to the proposed IRM Work Plan from March 29, 2017 to April 27, 2017. No comments were provided to EnviroTrac by the NYSDEC and the IRM Work Plan was implemented during the period May 1, 2017 to August 29, 2017.
- Engineering Controls (ECs) at the Site include a cover system (existing pavement and building), a soil vapor extraction (SVE) system consisting of four (4) wells, an air sparge (AS) system consisting of three (3) wells, and a sub-slab depressurization system (SSDS) consisting of six (6) suction points. Once the SVE system is deemed no longer required

and shutdown, two (2) of the SVE wells will continue to be utilized as SSDS suction points.

- An Institutional Control (IC) for the Site includes an Environmental Easement.
- The final SMP and final FER were submitted to the NYSDEC in January 2019.
- On April 19, 2019, the Certificate of Completion (COC) was awarded to AAA Sutter Realty, LLC. by the NYSDEC.
- EnviroTrac conducts monthly SVE/AS system Operations and Maintenance (O&M) and quarterly groundwater monitoring. This report summarizes the tasks conducted to date.
- The NYSDEC Category B Deliverables, EDD and Data Usability Summary Report (DUSR) for each quarterly groundwater sampling event were submitted to the NYSDEC.

Work Performed:

Monthly SVE/AS System O&M: April 23, 2020 to May 20, 2020 – EnviroTrac visited the Site and conducted five (5) consecutive weeks of SVE/AS system O&M followed by once monthly SVE/AS system O&M to date. SVE system O&M readings included total system air flow, vacuum, temperature, and photoionization detector (PID) readings. The AS system O&M readings included pressure readings. SVE/AS system O&M logs are provided in **Appendix A**.

Quarterly Groundwater Sampling: May 20, 2020 – Groundwater samples were collected from wells MW-1S, MW-2s, MW-5S, MW-8S, MW-10S, and MW-11S. Groundwater was purged using low-flow sampling techniques from each well utilizing a peristaltic pump and tubing, and depth to water and stability parameters were recorded for each well. **Table 1** summarizes the water level measurements collected during May 2020. **Table 2** summarizes the groundwater monitoring results for May 2020. Historical groundwater monitoring wells sample results from April 2016 to February 2020 are also summarized in **Table 2**.

Groundwater Results:

May 20, 2020 Depth to Water: 3.92 to 13.40 feet

Flow Direction: South

Tetrachloroethylene (PCE) was detected in MW-1S, MW-5S, MW-8S, MW-10S, and MW-11S during all three (3) monitoring events; however, it was only detected above its New York State Department of Environmental Conservation (NYSDEC) Class GA

Ambient Water Quality Standard (NYSDEC Groundwater Standard) in wells MW-1S, MW-5S, MW-8S, and MW-10S. Chloroform was detected in MW-1S, MW-2S, MW-5S, MW-10S, and MW-11S; however, it was only detected above its NYSDEC Groundwater Standard in wells MW-1S, MW-5S, and MW-11S. No other VOCs were detected in the groundwater samples collected during May 2020.

Conclusions:

When comparing the historical groundwater monitoring well sample results to the most recent groundwater monitoring well sample results, overall PCE and chloroform have been decreasing since the start of the SVE/AS remediation system and detections of trichloroethylene (TCE) and cis-1,2-dichloroethylene (CIS-1,2-DCE) have reached non-detectable levels in all wells with some wells having non-detectable levels for three (3) consecutive quarters.

The SVE/AS system operated properly during the reporting period. Monthly SVE/AS system O&M and quarterly groundwater monitoring will continue at the Site to document the operation of the remediation and its effect on contaminants in groundwater.

Figures:

Figure 1. Groundwater Contour Map – May 20, 2020
Figure 2. As Built Engineering Controls

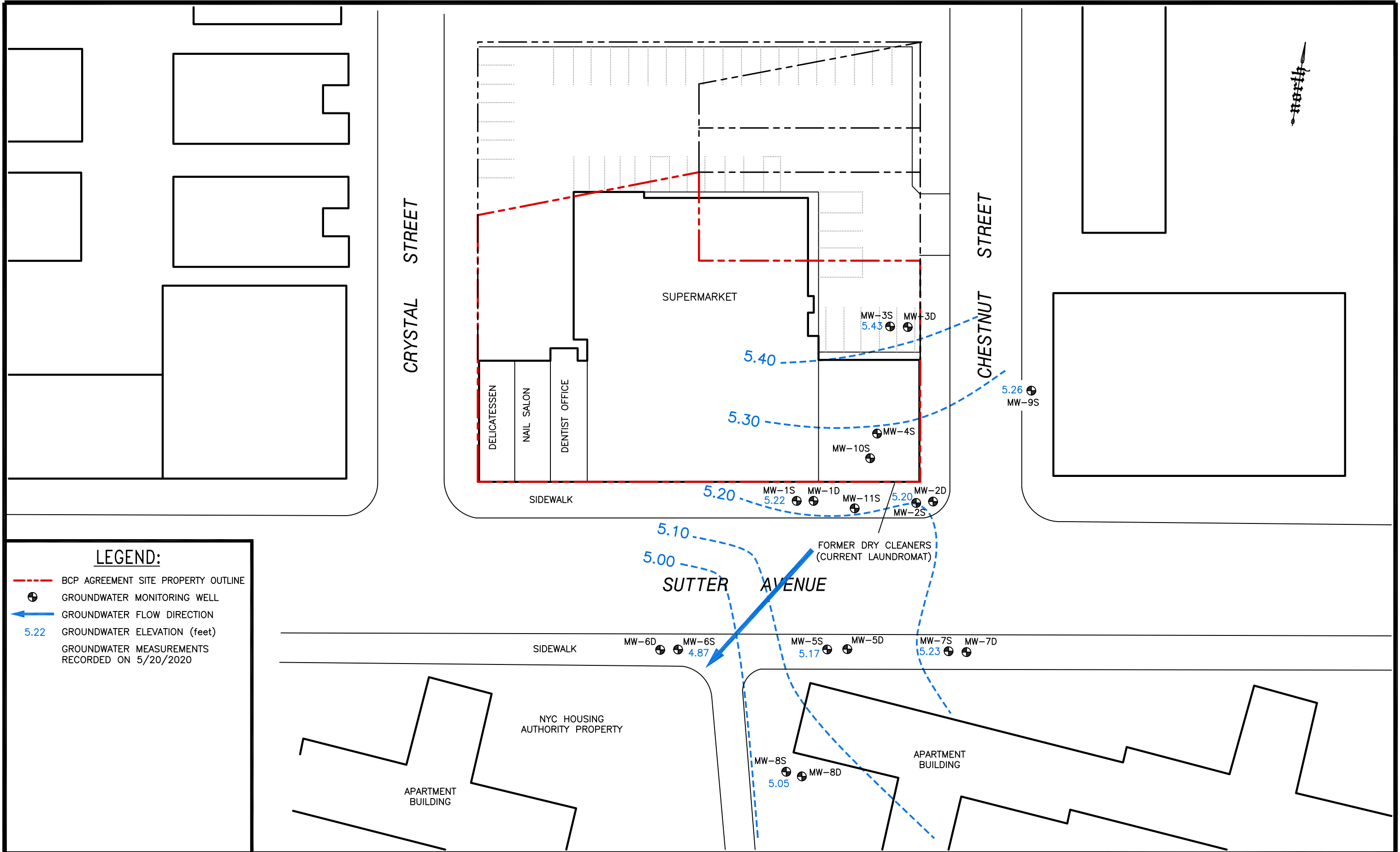
Tables:

Table 1. Water Level Measurements
Table 2. Summary of Groundwater Well Monitoring Results

Appendices:

Appendix A. SVE/AS System Operation and Maintenance Logs
Appendix B. Groundwater Laboratory Report for May 2020

FIGURES



LEGEND:

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



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

0 20 40
SCALE IN FEET

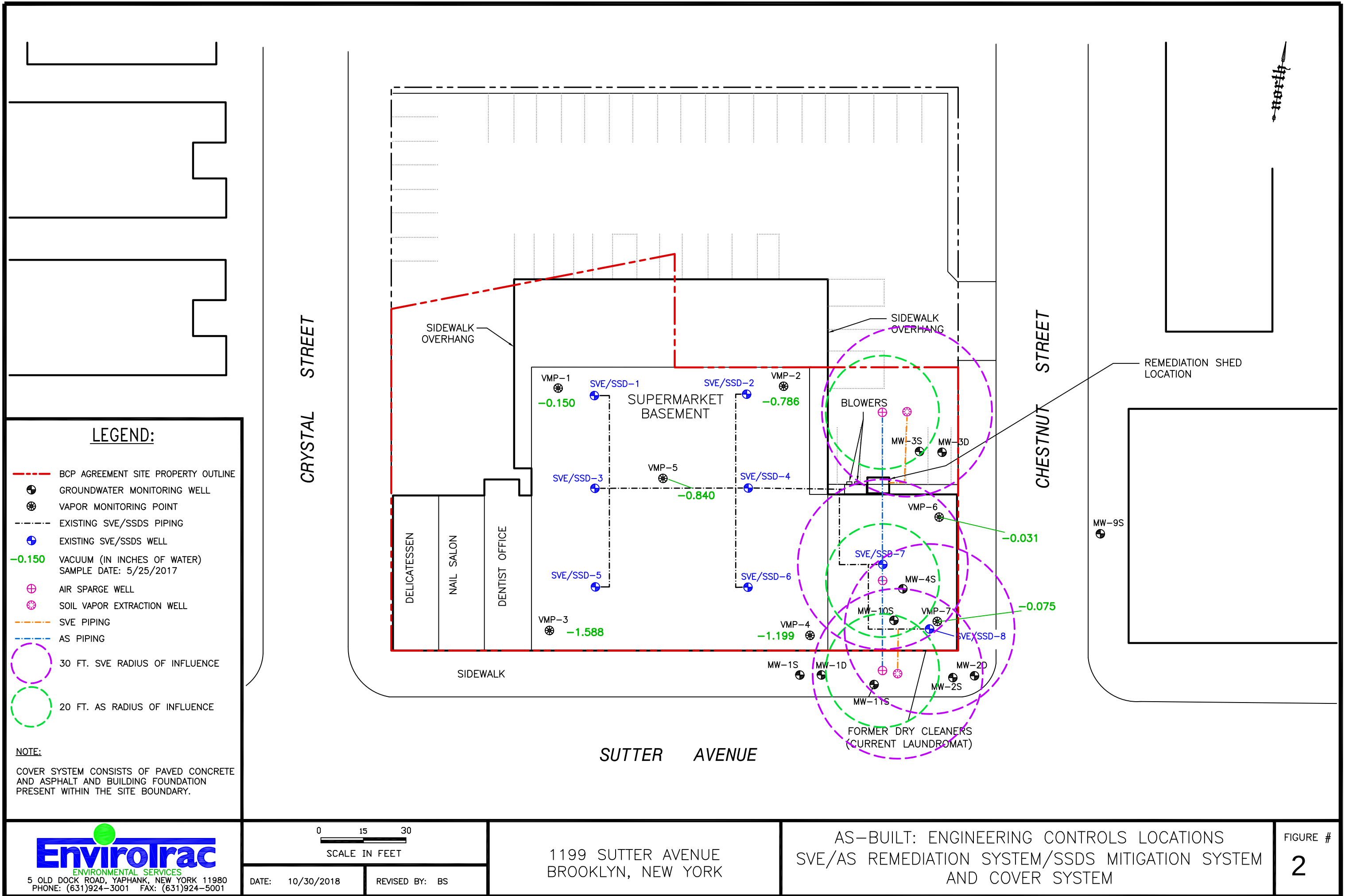
DATE: 6/10/2020

REVISED BY: BS

1199 SUTTER AVENUE
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP
MAY 20, 2020

FIGURE #
2



TABLES

Table 1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:

DTW = Depth to water

DTB = Depth to bottom

Table 2
Summary of Groundwater Monitoring Well Results
BCP Site # 244141
1199 Sutter Avenue, Brooklyn, NY

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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)										
Acetone	ND	ND	ND	ND	18.4	ND	ND	ND	ND	50
Chloroform	30.0	ND	ND	ND	ND	1.00	1.50	5.30	7.10	7
cis-1,2-Dichloroethylene	0.71 J	ND	ND	ND	ND	1.70	ND	ND	ND	5*
Tetrachloroethene	84.0	49.5	46.1	24.9	21.7	21.6	18.4	11.6	5.4	5*
Trichloroethene	3.2	2.1	2.8	1.3	ND	1.2	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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)										
Acetone	ND	8.90	ND	ND	13.4	ND	ND	ND	ND	50
Chloroform	13.0	ND	ND	ND	ND	8.40	2.80	7.70	5.70	7
cis-1,2-Dichloroethylene	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethene	10.0	2.20	1.10	2.90	1.50	ND	ND	ND	ND	5*
Trichloroethene	0.36 J	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	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)										
Acetone	ND	ND	ND	ND	12.4	ND	6.70	ND	ND	50
Chloroform	3.00 J	1.50	1.40	ND	ND	ND	ND	ND	3.3	7
Chloromethane	ND	ND	ND	ND	ND	ND	1.40	ND	ND	5*
cis-1,2-Dichloroethylene	2.60	ND	6.10	5.10	5.30	ND	ND	ND	ND	5*
Tetrachloroethene	390	575	363	441	719	111	112	78.8	59.8	5*
Trichloroethene	14.0	21.0	16.2	13.4	16.2	2.20	2.00	1.10	ND	5*

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

Sample ID	MW-5S									NYSDEC
Sample Date	4/6/2016	5/17/2017	6/27/2017	7/27/2017	8/29/2017	8/13/2019	11/22/2019	2/14/2020	5/20/2020	Groundwater Standards
Volatile Organic Compounds (in micrograms per liter)										
Acetone	ND	ND	ND	ND	17.6	ND	ND	ND	ND	50
Chloroform	2.40 J	ND	ND	ND	ND	8.30	4.30	8.00	7.70	7
cis-1,2-Dichloroethylene	5.10	ND	5.30	4.80	ND	2.20	ND	ND	ND	5*
Tetrachloroethene	200	122	128	136	258	45.1	17.3	12.3	14.3	5*
Trichloroethene	10.0	7.40	8.20	7.30	9.60	2.40	1.20	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	
Volatile Organic Compounds (in micrograms per liter)										
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Chloroform	3.30 J	ND	ND	ND	ND	ND	ND	1.00	ND	7
cis-1,2-Dichloroethylene	0.34 J	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*
Trichloroethene	0.62 J	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

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:

Appendix B

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.

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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	

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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		

REPORT OF LABORATORY ANALYSIS

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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	

REPORT OF LABORATORY ANALYSIS

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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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REPORT OF LABORATORY ANALYSIS

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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.	MSD Spike Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Conc.	Result	Conc.	% Rec	Limits		
1,1,1-Trichloroethane	ug/L	<1.0	50	50	50	48.0	56.9	96	114	65-118	17								
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50	42.9	47.9	86	96	74-121	11								
1,1,2-Trichloroethane	ug/L	<1.0	50	50	50	46.4	52.6	93	105	80-117	12								
1,1-Dichloroethane	ug/L	<1.0	50	50	50	43.5	50.6	87	101	83-151	15								
1,1-Dichloroethene	ug/L	<1.0	50	50	50	52.0	60.3	104	121	45-146	15	CH							
1,2,3-Trichloropropane	ug/L	<1.0	50	50	50	42.0	46.8	84	94	71-123	11								
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	50	41.3	55.6	83	111	74-119	29	R1							
1,2-Dichloropropane	ug/L	<1.0	50	50	50	42.0	47.6	84	95	75-117	12								
Acetone	ug/L	<5.0	50	50	50	46.5	42.5	93	85	23-188	9	IC							
Bromochloromethane	ug/L	<1.0	50	50	50	45.5	53.7	91	107	81-116	17								
Bromodichloromethane	ug/L	<1.0	50	50	50	47.6	56.6	95	113	78-117	17								
Carbon tetrachloride	ug/L	<1.0	50	50	50	48.1	59.0	96	118	59-120	20								
Chloroethane	ug/L	<1.0	50	50	50	49.8	57.3	100	115	49-151	14								
Chloroform	ug/L	<1.0	50	50	50	46.6	52.1	93	104	72-122	11								
Chloromethane	ug/L	<1.0	50	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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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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without the written consent of Pace Analytical Services, LLC.

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

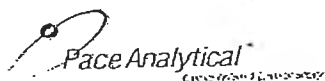
70131751

Section D		COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)		MATRIX C		OT		ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS				
ITEM #	Description	COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME	DATE	TIME	DATE	TIME	# OF CONTAINERS	Preservatives						Analysis Test ↑	Y/N ↓	VOCs 8260, chlorinated list only	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.			
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃						Methanol	Other	
1	MW-1S			5/20/20	1000					3											001			
2	MW-2S				1100																002			
3	MW-5S				1400																003			
4	MW-8S				2000																004			
5	MW-10S				1100																005			
6	MW-11S				1210																006			
7	MS				2000																007			
8	MSD				1200																008			
9	BD				1210																009			
10	Trip Blank																							
11																								
12																								
Request NYSDEC Category B												Durrell		5/20/20	3:12pm	J. Osifchok		5/20/20	15:15	N		12.8	N	1
Deliverables & EDD																								

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

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

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):				

Field Data Required?

Y / N

Client Notification/ Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution: