



# QUARTERLY OPERATION AND MAINTENANCE REPORT – SECOND QUARTER 2023

## **Stanton Cleaners Area Superfund Site**

110 Cutter Mill Road  
Great Neck, New York

NYDEC Site No. 130072

### Prepared For:

New York State Department of Environmental Conservation  
625 Broadway  
Albany, NY 12233  
Contract #D009808

### Prepared By:

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HRP #: DEC1003.OM

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## **GENERAL INFORMATION**

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### **Project/Site Information:**

Stanton Cleaners Area Superfund Site  
110 Cutter Mill Road  
Great Neck, NY 11021

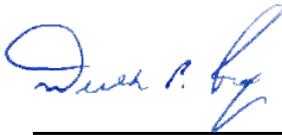
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625 Broadway  
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**Report Date:** 8/14/2023



**Project Manager:**

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Derek Roy  
Project Manager

## 1.0 INTRODUCTION

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HRP Associates, Inc. (HRP) has been contracted by the New York State Department of Environmental Conservation (NYSDEC) for site management tasks under Standby Engineering Contract D009808. Under this contract, on-going site management was assigned to HRP for the former Stanton Cleaners Site, NYSDEC Site No. 130072, located at 110 Cutter Mill Road in Great Neck, New York (herein referred to as the "Site"). The Site location is depicted on **Figure 1**. The Site is currently listed on the New York State Registry of Inactive Hazardous Waste Sites as a Class 4 site. This designation is for properly closed sites but requires continued management until remedial objectives are achieved. The U.S. Environmental Protection Agency (EPA) oversaw the operations and maintenance (O&M) and site management from 2001 to 2012. NYSDEC assumed responsibility for site management in 2012. The on-going site management was assigned to HRP in April 2020. This work assignment (WA) includes the following tasks:

- Task 1 – Preliminary Activities.
- Task 2 – Site Management Plan.
- Task 3 – System O&M.
- Task 4 – Monitoring and Reporting.
- Task 5 – Periodic Review and Report.
- Task 6 – Site Remedial Systems Optimization.

This quarterly O&M Report summarizes the O&M and monitoring activities completed during the second quarter of 2023 (April through June 2023). This report provides a description of the work performed throughout the reporting period, a discussion of the data obtained, and documents the relevant performance monitoring.

## 2.0 **SITE BACKGROUND**

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### 2.1 **Site Location and Current Use**

Stanton Cleaners is a former dry-cleaning facility located at 110 Cutter Mill Road in Great Neck, Nassau County, New York (The Site location is shown on **Figure 1**). A dry cleaner had operated at the Site since the 1950s. The property had several different owners in subsequent years and the business may have had several names, most recently Stanton Cleaners. Between about 1958 and 1983, waste liquids from the on-Site dry-cleaning processes were discharged, spilled, or leaked onto the ground behind the facility (U.S. Department of Health, 2004). The Site is located approximately 1,000 feet north of an active public water supply well field owned and operated by the Water Authority of Great Neck North (WAGNN). The Site is approximately 0.25 acres and includes a two-story building in which the dry-cleaning business operated, an adjacent one-story boiler/storage building, and a building that houses the current remediation system. Site features are depicted on **Figure 2**. The Site is bordered to the west by Cutter Mill Road, to the north and east by a former indoor tennis court, and to the south by a gasoline station. Adjacent areas that have been affected by the contamination include, but are not limited to, the former neighboring Plaza Tennis Center, the Century Condominium Complex, the North Shore Sephardic Synagogue, and the Long Island Hebrew Academy (LIHA).

### 2.2 **Remedial History**

In June of 1983, the Nassau County Department of Health (NCDH) inspected the Stanton Cleaners facility. According to NCDH files, the inspection revealed a pipe protruding from the rear side of the building. It was noted that the pipe was connected to the dry-cleaning fluid/water separator that discharged onto the ground in the rear yard sloping away from the building. To determine the impacts of the separator discharge, soil samples were collected by NCDH in the rear of the building. The results of the analysis indicated the soil was contaminated with tetrachloroethene (PCE) at concentrations up to 8,000 parts per million (ppm). Groundwater sampling conducted in January 1998 by a contractor for the NYSDEC detected PCE; 1,2-dichloroethene (DCE); and trichloroethene (TCE) contamination at, and downgradient of Stanton Cleaners.

On June 8, 1998, the NYSDEC requested that the EPA perform a Comprehensive Environmental Response, Compensation, and Liabilities Act (CERCLA) authorized emergency response action at the Site to address contaminated groundwater impacting the nearby public water supply. The Stanton Cleaners Site was added to the National Priorities List (NPL) on May 17, 1999.

A remediation system was subsequently installed at the Site, which includes Groundwater Extraction and Treatment (GWE&T), soil vapor extraction (SVE), and air sparging. Three extraction wells are associated with the GWE&T system and are equipped with submersible pumps. The extracted groundwater is treated through a 2,000-pound liquid phase granular activated carbon (GAC) vessel prior to discharge to the storm sewer. The SVE system consists of six extraction wells connected to a blower and knockout tank. The extracted vapor is treated through a 3,000-pound vapor phase GAC vessel prior to discharge to the atmosphere. An air sparge system was installed using a compressor to provide sparge air to the screened interval in two wells. Use of the air sparge system was discontinued in December 2014. Per NYSDEC approval, the GWE&T system was shut down in

February 2022, as the concentrations of volatile organic compounds (VOCs) in the influent samples were consistently below their Technical and Operational Guidance Series (TOGS) values.

### **2.3 Site Cleanup Objectives**

On-going remedial actions are being implemented to restore the impacted media (soil, soil vapor, and groundwater) to pre-disposal conditions. The closure criterion will ultimately be determined by the NYSDEC based on the future monitoring data. The Standards, Criteria, and Guidance (SCGs) currently used for the various media being sampled at the Site are summarized below.

- Soil – NYSDEC Environmental Conservation Law (ECL) 6 New York Code of Rules and Regulations (NYCRR) Part 375-6: Remedial Program Soil Cleanup Objectives (SCOs).
- Groundwater – NYSDEC TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
- Soil Vapor – New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion (SVI) in the State of New York.

### **3.0 OPERATIONS AND MAINTENANCE PROGRAM**

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The O&M program for the Stanton Cleaners Area Superfund Site includes the following:

- Monthly inspections of the SVE system.
- Monthly inspections of the GWE&T system (operations discontinued in March 2022).
- Quarterly sampling of SVE system influent and effluent. Samples are analyzed for VOCs via EPA method TO-15.
- System discharge point to city sewer sampled and analyzed for compliance with state pollution discharge elimination system (SPDES) Equivalency Parameters (discontinued in December 2021; the GWE&T system has been shut down since March 2022).

HRP assumed O&M and sampling responsibilities for the Site in January 2021. Notes related to system issues are included in **Section 5.0** of this report. HRP performs the monthly, quarterly, and annual sampling activities at the Site as well as the day-to-day O&M of the active remediation systems. HRP prepares daily reports during each visit to the Site that summarize Site activities for that day. The daily reports are included in **Appendix A**.

#### **3.1 Groundwater Extraction and Treatment System Operations and Maintenance**

The GWE&T was shut down following the February 2022 O&M event, as approved by the NYSDEC, and is expected to remain off until further notice. The locations of the extraction wells are depicted on **Figure 2**.

##### **3.1.1 Groundwater Extraction and Treatment System Annual State Pollution Discharge Elimination System Sampling**

Annual SPDES sampling of the GWE&T system was not completed during this quarter, and no further sampling of the effluent is planned since the GWE&T system has been shut down.

#### **3.2 Soil Vapor Extraction System Operations and Maintenance**

Air monitoring of the SVE system is performed on a monthly basis. Monitoring includes the field analysis of the following parameters: VOCs, carbon monoxide, oxygen, lower explosive limit, hydrogen sulfide, air velocity (cubic feet per minute (cfm)), temperature, relative humidity, dew point, and vacuum pressure. Originally, the following locations were monitored: SVE-Influent, Post-Blower-Pre-Carbon, EPA-SVE-1 (shallow), EPA-SVE-1 (medium), EPA-SVE-2 (shallow), EPA-SVE-2 (medium), SS-A, SVE-3A, SVE-3B, SVE-1 Combined, SVE-2 Combined, hSVE-1, hSVE-2, and background.

Following system optimization performed in May to June 2022 and the installation of a variable frequency drive (VFD) in November 2022, the monthly SVE operations and monitoring was reduced to the following locations:

- SVE-Influent (pre-treatment)

- Post-Blower (pre-treatment)
- SVE-2 Combined
- SS-3A
- hSVE-1
- hSVE-2
- Background

Monitoring of the SVE system occurred monthly during the second quarter of 2023 on April 25, May 25, and June 29, 2023. Monthly monitoring logs are included in **Appendix B**.

Samples SVE\_INF and SVE\_EFF were collected from the influent and effluent, respectively, via tedlar bags and analyzed for VOCs by TO-15 on May 25, 2023. Concentrations of PCE were detected in the influent sample (SVE\_INF) at 7,100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). PCE was detected in the effluent sample (SVE\_EFF) at a concentration of 2  $\mu\text{g}/\text{m}^3$ . Several non-chlorinated VOCs were detected in the influent and/or effluent including 1,2,4-trimethylbenzene, 1,2-dichloropropane, 1,3,5-trimethyl-benzene, 1-ethyl-4-methylbenzene, methyl butyl ketone (MBK), acetone, benzene, chloromethane, dichlorodifluoromethane, ethanol, ethylbenzene, heptane, hexane, isopropyl alcohol, and toluene. Laboratory sample results are included on **Table 1**. The laboratory analytical reports are included in **Appendix E**.

The photoionization detector (PID) readings at the SVE system during each monthly visit were recorded at 0.0 parts per million (ppm), as recorded on the monthly monitoring logs.

The VelociCalc® meter recorded a flow rate of approximately 24.67 cfm at the SVE influent in April, 15.60 cfm in May, and 21.92 cfm in June 2023. Based on the data available, approximately 1.15 pounds (lbs) of chlorinated VOCs (consisting primarily of PCE, TCE, and cis-1,2-DCE) were removed by the SVE system during the second quarter of 2023. The VOC mass removal for the second quarter of 2023 is summarized in **Table 2**.

## 4.0 **MONITORING PROGRAM**

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The monitoring program for the Stanton Cleaners Area Superfund Site includes the following:

- Quarterly O&M reports.
- Monthly gauging of sixteen monitoring wells for water level (discontinued in April 2023, see Section 4.1).
- Semi-annual groundwater sampling of the well network for analysis of VOCs via EPA Method 8260, per and polyfluoroalkyl substances (PFAS) via Method 1633, and 1,4-dioxane via method 1624.
- Annual SVI sampling at the LIHA.
- Monitoring of the WAGNN supply well (discontinued following shutdown of the GWE&T system).

Based on this monitoring program schedule, the semi-annual groundwater sampling, and the annual SVI sampling at the LIHA were not performed during the second quarter of 2023.

### 4.1 **Plume Perimeter Monitoring**

Monitoring wells were gauged for water level during the April 25, 2023 inspection to assess capture zones around the groundwater extraction well EPA-EXT-02. The locations and number of wells monitored were previously determined by the EPA based on the 2014 *Final Capture Zone Analysis Report*. **Appendix C** includes the groundwater level measurements. **Figure 3** depicts the network of monitoring wells. Monthly gauging was discontinued following the April 2023 O&M event since the gauging activities were conducted to monitor the GWE&T system.

### 4.2 **Groundwater Monitoring Well Repairs**

No well repairs were conducted during the second quarter of 2023.

### 4.3 **Groundwater Sampling**

Groundwater sampling was not conducted during this quarter.

### 4.4 **WAGNN Public Supply Well Monitoring**

Monitoring of the WAGNN public supply well was not conducted and has been discontinued until further notice.

### 4.5 **Fire Safety Inspection Tasks**

Monthly fire inspections were completed during the second quarter of 2023. Emergency lighting testing was performed monthly during the second quarter of 2023. Annual fire extinguisher inspection was performed in May 2023. All fire safety items are addressed, inspection forms are maintained at the site, and copies are included in **Appendix D**.

## **5.0 MAINTENANCE ISSUES AND RECOMMENDED SOLUTIONS**

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Several O&M issues were identified when HRP assumed O&M responsibilities in January 2021. The following lists items that HRP is working to address in 2023:

- Based on discussions with NYSDEC and NYSDOH, the GWE&T system was shut down in the first quarter of 2022; therefore, no repairs will be performed to address issues previously identified with the GWE&T system.
- In April 2023, two bollards were installed in the paved area to the southeast of treatment building to protect the exterior treatment system piping. Soil generated from the installation was sampled in preparation for offsite removal and disposal during the May inspection. Soil disposal will be documented in the next quarterly report.
- Fire safety inspections are performed monthly.

Maintenance issues and recommended solutions are part of ongoing O&M of the remediation systems in 2023.

## **6.0 FUTURE ACTIVITIES**

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Future maintenance and monitoring activities at the Site includes the following:

- Soil disposal from the installation of the bollards will be reported in the Q32023 O&M report.
- Semi-annual groundwater sampling is scheduled to be completed in the third quarter of 2023.
- Annual indoor air sampling at the LIHA is scheduled to be completed in December 2023.

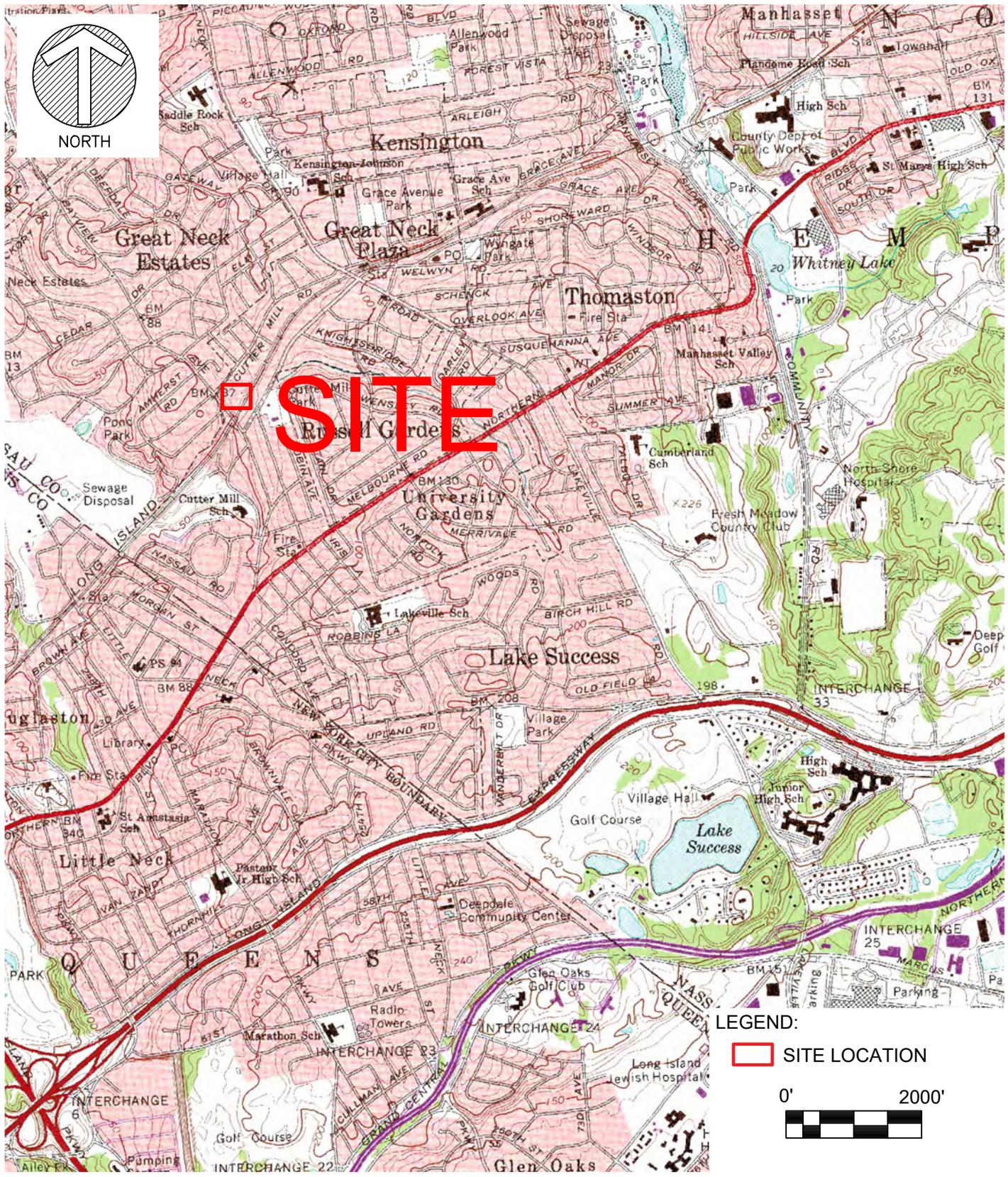
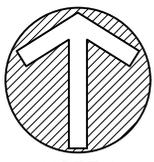
**7.0 PROGRESS TOWARD CLEANUP OBJECTIVES**

Based on review of O&M field notes and laboratory analysis of SVE-Influent samples analyzed by the laboratory, the SVE system removed approximately 1.15 lbs of VOCs consisting primarily of PCE. The total cost of system O&M during this quarter was \$22,898.72 (Tasks 3 through 5 of the WA). A cost per pound of vapor phase VOC removal is provided below.

<b>Quarterly Cost Summary</b>					
<b>Period</b>	<b>Quarterly O&amp;M Cost</b>	<b>VOC Mass Removed by SVE (lbs.)</b>	<b>VOC Mass Removed by GWE&amp;T (lbs.)</b>	<b>Total VOC Mass Removed (lbs.)</b>	<b>Cost per Pound of VOC Removal</b>
4/1/2023 through 6/30/2023	\$22,898.72	1.15	NA	1.15	Not applicable (≤1lb removed)

Based on the laboratory data from SVE system influent and the PID readings at the SVE system during each monthly visit, the SVE system continues to recover VOC mass from the subsurface, and the system will be continued to be evaluated for optimization actions through Q3 2023 to maximize mass recovery.

# FIGURES



**SITE LOCATION MAP**

**STANTON CLEANERS**  
110 CUTTER MILL ROAD  
GREAT NECK, NEW YORK 11021

1" = 2000'

SCALE:

05/13/2020

ISSUE DATE:

DEC1003.OM

PROJECT NUMBER:

FIGURE

**1**

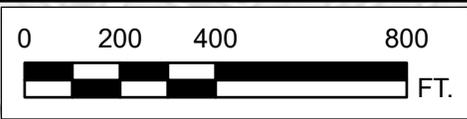




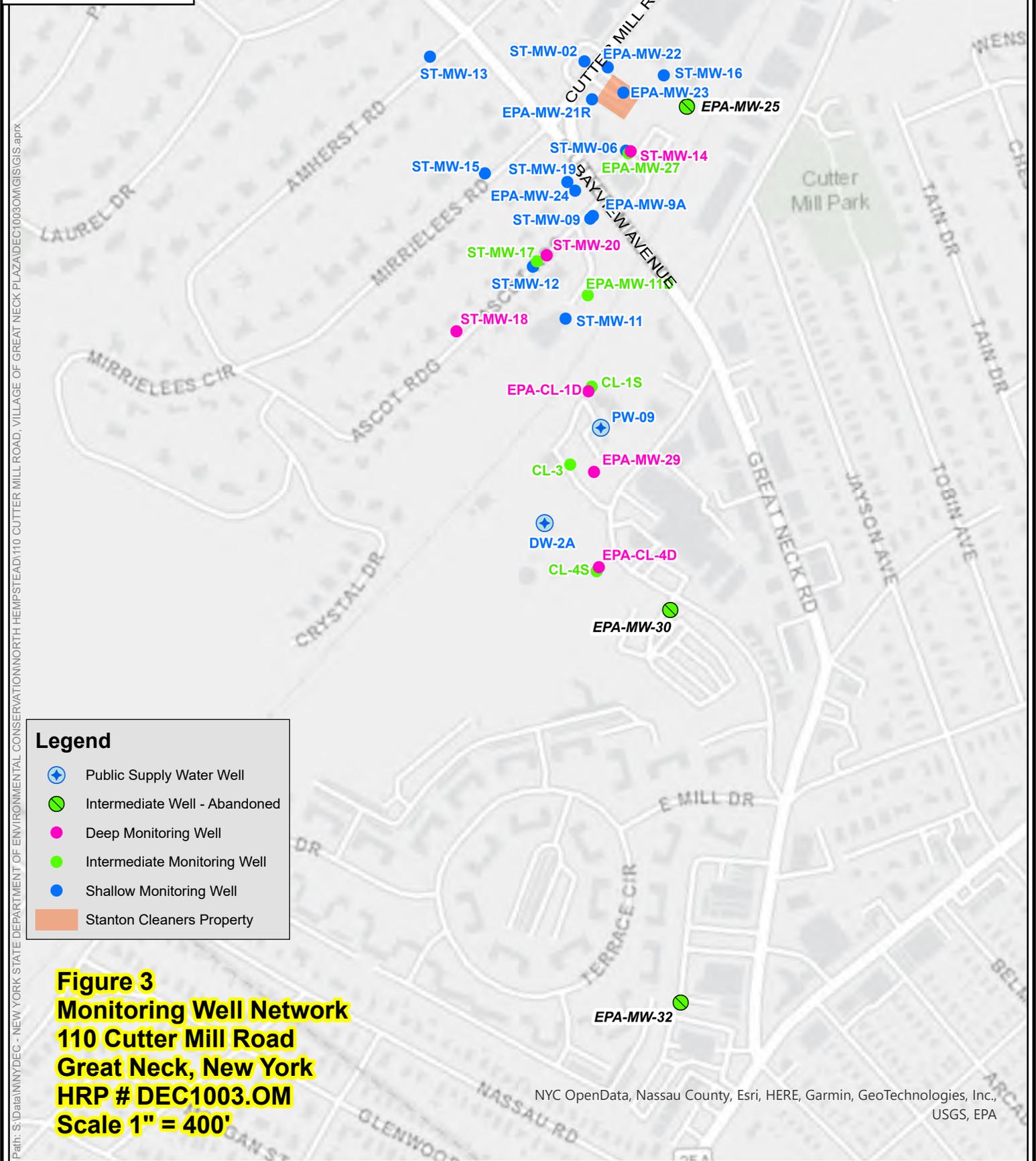


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**Legend**

- Public Supply Water Well
- Intermediate Well - Abandoned
- Deep Monitoring Well
- Intermediate Monitoring Well
- Shallow Monitoring Well
- Stanton Cleaners Property

**Figure 3**  
**Monitoring Well Network**  
**110 Cutter Mill Road**  
**Great Neck, New York**  
**HRP # DEC1003.OM**  
**Scale 1" = 400'**

# TABLES

Table 1  
SVE System - Analytical Results  
110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA, NY  
HRP# DEC1003.OM

		Lab Report No:	23E3882	23E3882
		Sample ID:	SVE-INF	SVE-EFF
		Date Collected:	5/25/2023	5/25/2023
Gasses				
Analyte	Unit			
1,1,1-Trichloroethane	µg/m <sup>3</sup>	< 11	< 0.55	
1,1,2,2-Tetrachloroethane	µg/m <sup>3</sup>	< 14	< 0.69	
1,1,2-Trichloroethane	µg/m <sup>3</sup>	< 11	< 0.55	
1,1,2-Trichlorotrifluoroethane (Freon 113)	µg/m <sup>3</sup>	< 61	< 3.1	
1,1-Dichloroethane	µg/m <sup>3</sup>	< 8.1	< 0.4	
1,1-Dichloroethene	µg/m <sup>3</sup>	< 7.9	< 0.4	
1,2,4-Trichlorobenzene	µg/m <sup>3</sup>	< 15	< 0.74	
1,2,4-Trimethylbenzene	µg/m <sup>3</sup>	< 9.8	<b>2.2</b>	
1,2-Dibromoethane (EDB) (ethylene dibromide)	µg/m <sup>3</sup>	< 15	< 0.77	
1,2-Dichlorobenzene	µg/m <sup>3</sup>	< 12	< 0.6	
1,2-Dichloroethane	µg/m <sup>3</sup>	< 8.1	< 0.4	
1,2-Dichloropropane	µg/m <sup>3</sup>	< 9.2	<b>4.2</b>	
1,2-Dichlorotetrafluoroethane (Freon 114)	µg/m <sup>3</sup>	< 14	< 0.7	
1,3 Butadiene	µg/m <sup>3</sup>	< 4.4	< 0.22	
1,3,5-trimethyl-benzene	µg/m <sup>3</sup>	< 9.8	<b>0.59</b>	
1,3-Dichlorobenzene	µg/m <sup>3</sup>	< 12	< 0.6	
1,4-Dichlorobenzene	µg/m <sup>3</sup>	< 12	< 0.6	
1,4-Dioxane	µg/m <sup>3</sup>	< 72	< 3.6	
1-Ethyl-4-methyl-benzene	µg/m <sup>3</sup>	< 9.8	<b>0.56</b>	
2-Butanone (MEK)	µg/m <sup>3</sup>	< 240	< 12	
2-Hexanone (Methyl butyl ketone/MBK)	µg/m <sup>3</sup>	< 8.2	<b>0.42</b>	
Acetone	µg/m <sup>3</sup>	< 190	<b>32</b>	
Benzene	µg/m <sup>3</sup>	< 6.4	<b>0.95</b>	
Benzyl chloride	µg/m <sup>3</sup>	< 10	< 0.52	
Bromodichloromethane	µg/m <sup>3</sup>	< 13	< 0.67	
Bromoform	µg/m <sup>3</sup>	< 21	< 1	
Bromomethane	µg/m <sup>3</sup>	< 7.8	< 0.39	
Carbon disulfide	µg/m <sup>3</sup>	< 62	< 3.1	
Carbon tetrachloride	µg/m <sup>3</sup>	< 13	< 0.63	
Chlorobenzene	µg/m <sup>3</sup>	< 9.2	< 0.46	
Chloroethane	µg/m <sup>3</sup>	< 5.3	< 0.26	
Chloroform	µg/m <sup>3</sup>	< 9.8	< 0.49	
Chloromethane	µg/m <sup>3</sup>	< 8.3	<b>0.99</b>	
cis-1,2-Dichloroethene	µg/m <sup>3</sup>	<b>150</b>	< 0.4	
cis-1,3-Dichloropropene	µg/m <sup>3</sup>	< 9.1	< 0.45	
Cyclohexane	µg/m <sup>3</sup>	< 6.9	< 0.34	
Dibromochloromethane	µg/m <sup>3</sup>	< 17	< 0.85	
Dichlorodifluoromethane	µg/m <sup>3</sup>	< 9.9	<b>1.5</b>	
Ethanol	µg/m <sup>3</sup>	<b>230</b>	<b>150</b>	
Ethyl Acetate	µg/m <sup>3</sup>	< 72	< 3.6	
Ethylbenzene	µg/m <sup>3</sup>	< 8.7	<b>1.3</b>	
Heptane	µg/m <sup>3</sup>	< 8.2	<b>1.1</b>	
Hexachloro-1,3-butadiene	µg/m <sup>3</sup>	< 21	< 1.1	
Hexane	µg/m <sup>3</sup>	< 280	<b>16</b>	
Isopropyl Alcohol	µg/m <sup>3</sup>	< 200	<b>12</b>	
m,p-Xylene	µg/m <sup>3</sup>	< 17	<b>5</b>	
Methyl isobutyl ketone (MIBK)	µg/m <sup>3</sup>	< 8.2	< 0.41	
Methylene chloride	µg/m <sup>3</sup>	<b>170</b>	<b>100</b>	
Methyltertbutyl ether	µg/m <sup>3</sup>	< 7.2	< 0.36	
Naphthalene	µg/m <sup>3</sup>	< 10	< 0.52	
o-Xylene	µg/m <sup>3</sup>	< 8.7	<b>1.8</b>	
Propene	µg/m <sup>3</sup>	< 140	< 6.9	
Styrene	µg/m <sup>3</sup>	< 8.5	< 0.43	
Tetrachloroethene	µg/m <sup>3</sup>	<b>7100</b>	<b>2</b>	
Tetrahydrofuran	µg/m <sup>3</sup>	< 59	< 2.9	
Toluene	µg/m <sup>3</sup>	<b>17</b>	<b>24</b>	
trans-1,2-Dichloroethene	µg/m <sup>3</sup>	<b>9.4</b>	<b>4</b>	
trans-1,3-Dichloropropene	µg/m <sup>3</sup>	< 9.1	< 0.45	
Trichloroethene	µg/m <sup>3</sup>	<b>200</b>	< 0.54	
Trichlorofluoromethane	µg/m <sup>3</sup>	< 45	< 2.2	
Vinyl acetate	µg/m <sup>3</sup>	< 140	< 7	
Vinyl chloride	µg/m <sup>3</sup>	< 5.1	< 0.26	

**Table 2: Soil Vapor Extraction System  
Summary of VOC Mass Removal  
Stanton Cleaners - NYSDEC Site # 130072  
110 Cutter Mill Road, Great Neck, NY**

Sample Date	Period (Days)	PCE Concentration (mg/m <sup>3</sup> )	TCE Concentration (mg/m <sup>3</sup> )	cis-1,2-DCE Concentration (mg/m <sup>3</sup> )	Flowrate (cfm)	Ave. PCE Concentration (mg/m <sup>3</sup> )	PCE Discharge (lbs)	Ave. TCE Concentration (mg/m <sup>3</sup> )	TCE Discharge (lbs)	cis-1,2-DCE Concentration (mg/m <sup>3</sup> )	cis-1,2-DCE Discharge (lbs)	Cumulative VOC Mass Removed (lbs)
3/20/2020	1	34.00	0.410	0.40	189	17.00	0.29	0.21	0.00	0.20	0.00	0
6/3/2020	75	10.00	0.280	0.40	189	22.00	28.03	0.35	0.44	0.40	0.00	28.47
9/1/2020	90	12.00	0.390	0.32	189	11.00	16.82	0.34	0.51	0.36	0.00	45.81
12/7/2020	97	5.30	0.160	0.15	186	8.65	14.03	0.28	0.45	0.235	0.00	60.28
12/24/2020	17	5.30	0.160	0.15	186	5.30	1.51	0.16	0.05	0.150	0.00	61.84
SVE Temporarily Shut Down												
3/18/2021	1	0.00	0.022	0.000	186	0.00	0.00	0.01	0.00	0.000	0.00	61.84
3/31/2021	13	0.00	0.022	0.000	186	0.00	0.00	0.02	0.00	0.00	0.00	61.84
6/30/2021	91	0.20	0.006	0.007	21.8	0.10	0.02	0.01	0.00	0.00	0.00	61.86
9/28/2021	90	1.00	0.047	0.044	20.07	0.60	0.10	0.03	0.00	0.03	0.00	61.96
12/20/2021	83	0.00	0.000	0.000	7.20	0.50	0.03	0.02	0.00	0.02	0.00	61.99
3/31/2022	101	5.80	0.170	0.170	23.36	2.90	0.62	0.09	0.02	0.09	0.00	62.62
4/26/2022	26	3.10	0.140	0.150	23.77	4.45	0.25	0.16	0.01	0.16	0.00	62.88
5/26/2022	30	3.50	0.120	0.120	20.78	3.30	0.18	0.13	0.01	0.14	0.00	63.07
6/22/2022	27	2.20	0.097	0.089	27.30	2.85	0.19	0.11	0.01	0.10	0.00	63.27
7/28/2022	36	12.00	0.360	0.260	21.48	7.10	0.49	0.23	0.02	0.17	0.00	63.78
10/25/2022	89	0.099	0.029	0.083	20.74	6.05	1.00	0.19	0.03	0.17	0.00	64.81
11/29/2022	35	0.56	0.070	0.095	21.19	0.33	0.02	0.05	0.00	0.09	0.00	64.84
12/19/2022	20	0.16	0.038	0.100	17.85	0.36	0.01	0.05	0.00	0.09	0.00	64.85
1/5/2023	17	0.44	0.037	0.074	22.04	0.30	0.01	0.04	0.00	0.17	0.00	64.86
2/15/2023	41	5.90	0.170	0.250	18.34	3.17	0.21	0.10	0.01	0.16	0.00	65.08
5/25/2023	99	7.10	0.200	0.150	15.60	6.50	0.90	0.19	0.03	0.20	0.00	66.01

**Notes:**

PCE = Tetrachloroethylene

TCE = Trichloroethylene

Cis-1,2-DCE = cis-1,2-dichloroethylene

cfm = cubic feet per minute

ave. = average

lbs = pounds

mg/m<sup>3</sup> = milligrams per cubic meter

SVE system was shut down between 12/24/2020 and 3/18/2021

SVE system was shut down between 11/04/22 and 11/29/2022 for carbon replacement

# APPENDIX A

## Daily Operation and Maintenance Reports







**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 04/25/23

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**Include (insert) figures with markups showing location of work and job progress**

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 04/25/23

---

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 04/25/23

**Site Photographs (Descriptions Below)**



Bollards installed to protect piping

Waste generated during the bollard installation

# DAILY INSPECTION REPORT

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 04/25/23

## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

## REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If Yes to <u>any</u> of 1-4 above:		
<ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		









**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 05/25/23

Interaction with Public, Property Owners, Media, etc.

**Include (insert) figures with markups showing location of work and job progress**

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 05/25/23

---

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 05/25/23

Site Photographs (Descriptions Below)	
	
Tag indicates that the fire extinguisher has been serviced in May 2023	
<b>Site Inspector(s):</b> David Adam	<b>Date:</b> 5/25/2023

# DAILY INSPECTION REPORT

Report No. \_\_\_\_\_ (Site Name) - NYSDEC Site No. 130072

Date: 05/25/23

## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

## REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If Yes to <u>any</u> of 1-4 above: <ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 05/25/23

**NUISANCE CHECKLIST**

Were there any community complaints related to work on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were there any odors detected on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Was noise outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were vibration readings outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible dust observed beyond the work perimeter on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was turbidity checked at the Montauk Highway outfall?	AM <input type="checkbox"/>	PM <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was the temporary fabric structure closed at the end of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
If yes, has Contractor been notified?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<u>Comments:</u>			





**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 06/29/23

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 06/29/23

---

**Include (insert) figures with markups showing location of work and job progress**

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 06/29/23

---

**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 06/29/23

Site Photographs (Descriptions Below)	
 <p>The photograph shows two bright yellow bollards with reflective white bands. They are positioned on a dark asphalt surface next to a white U-Haul truck. The truck has 'U-Haul.com' and a license plate '1022' visible. A concrete base is visible under one of the bollards. The background shows a tan building wall and some green foliage.</p>	
Bollards installed in April 2023	
<b>Site Inspector(s):</b> David Adam	<b>Date:</b> 6/29/2023

# DAILY INSPECTION REPORT

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 06/29/23

## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

## REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<p>If Yes to <u>any</u> of 1-4 above:</p> <ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		



# APPENDIX B

## SVE System Operation and Maintenance Reports

**Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log**

Date: 4-25-23  
 HRP #: DEC 1003.0M  
 Field Personnel: OJA

Pump	Flow (GPM)	Valve Open	
			<b>Data from Computer Screen System:</b>
Total Gallons Treated		<i>System Shut down</i>	
Discharge Rate			
Discharge Conductivity			
Discharge pH			
SVE Air Flow Rate (CFM)		<i>Display not working</i>	

Visual Digital Readouts from Catwalk
Discharge pH
Discharge Temperature
Discharge Conductivity

Flow Meter Reading
Flow Rate (GPM)
Total Gallons

meter display in 100 of gallons

Effluent Flow Meter Reading
Flow Rate
Total Gallons (GPH)

Weather: *Sunny 46°*

Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 4.25.23  
HRP #: DE-10030M

SVE/Blower Pre-Carbon*	FID			Multirae				VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709	0.6	0	0	20.9	0	0.0	59.8	12.0	51.6	40.4	24.67
Post-Blower Pre-Carbon*	5.706	24.8	0	0	20.9	0	0.0	55.8	70.545	53.8	31.7	10520
EPA-SVE-1 (shallow)	1.913											
EPA-SVE-1 (medium)	1.913											
EPA-SVE-2 (shallow)	1.913											
EPA-SVE-2 (medium)	1.913											
SS-A	1.913											
SVE-3A	1.913								9.0			
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913											
HSVE-1			0.0	0	20.9	0	0.0	44.9	5.5	53.2	32.1	71.90
HSVE-2			57.2	0	20.9	0	0.0	48.6	7.5	51.2	30.5	48.09
Background	N/A		19.7	0	20.9	0	0.0	49.2	8.5	51.2	31.9	18.36
			0.0	0	20.9	0	0.0	46		67	52.3	

0.0 ppm PID Effluent  
24" Vac at blower  
bleed slightly open  
44 Hz VFD  
System running upon arrival  
NO Sampling

	On/Off Prior to Monitoring	Date	On/Off After Monitoring	Date
SVE-1	Closed		Closed	
SVE-2 Combined	open		open	
SVE-3	open		open	
SVE-4	Closed		Closed	
EPA-SVE-04R/SSB(A)				
SS-A				
SS-8(B)				
SS-8(C)				
L1				
L2				
HSVE-1	open		open	
HSVE-2	open		open	

Equipment Calibrated by: DJA  
Air Readings Collected by: OJA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"

**Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log**

Date: 5-25-23

HRP #: DEC 1003.0M

Field Personnel: David Adam

Pump	Flow (GPM)	Valve Open	
			<b>Data from Computer Screen System:</b>
Total Gallons Treated			
Discharge Rate <i>System Shut down</i>			
Discharge Conductivity			
Discharge pH			
SVE Air Flow Rate (CFM) <i>Display Not Working</i>			

Visual Digital Readouts from Catwalk
Discharge pH
Discharge Temperature
Discharge Conductivity

Flow Meter Reading
Flow Rate (GPM)
Total Gallons

meter display in 100 of gallons

Effluent Flow Meter Reading
Flow Rate
Total Gallons (GPH)

Weather: *Sunny 51°F*

Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 5-25-23  
HRP #: DEC 10020m

	Pipe ID	FID						MultiRae					VelociCalc			
		VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow				
SVE-Influent	5.709		11.1	0	20.9	0	0.0	68.4	12.0	45.7	43.8	15.60				
Post-Blower Pre-Carbon*	5.706		14.7	0	20.9	0	0.0	64.5	0.564	44.7	40.0	13.56				
EPA-SVE-1 (shallow)	1.913															
EPA-SVE-1 (medium)	1.913															
EPA-SVE-2 (shallow)	1.913															
EPA-SVE-2 (medium)	1.913															
SS-A	1.913															
SVE-3A	1.913		moisture							11.0						
SVE-3B	1.913															
SVE-1 Combined	1.913															
SVE-2 Combined	1.913		0.0	0	20.9	0	0.0	59.6	6.4	42.5	39.5	68.97				
hSVE-1			44.8	0	20.9	0	0.0	59.8	8.9	45.7	36.9	49.23				
hSVE-2			11.3	0	20.9	0	0.0	59.9	11.0	44.3	39.9	19.48				
Background	N/A		0.0	0	20.9	0	0.0	51		45.2	35.9					

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	closed	closed
SVE-2 Combined	open	open
SVE-3	open	open
SVE-4	closed	closed
EPA-SVE-04R/SSB(A)	↓	↓
SS-A	↓	↓
SS-B(B)	↓	↓
SS-B(C)	↓	↓
L1	↓	↓
L2	↓	↓
hSVE-1	open	open
hSVE-2	open	open

0.0 ppm PID Effluent  
23.0" Vac at blower  
bleed slightly open  
44 Hz VFD

System running upon arrival  
Sampled SVE 1NF 6:58A  
" SVE EFF 6:47A

Equipment Calibrated by: OJA Air Readings Collected by: OJA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"

Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log

Date: 6-29-23  
 HRP #: DEC 1003 0m  
 Field Personnel: Dave Adam

Pump	Flow (GPM)	Valve Open	Data from Computer Screen System:
Total Gallons Treated			<i>System shut down</i>
Discharge Rate			
Discharge Conductivity			
Discharge pH			
SVE Air Flow Rate (CFM)			
			<i>Display not working</i>

Visual Digital Readouts from Catwalk	
Discharge pH	
Discharge Temperature	
Discharge Conductivity	

Flow Meter Reading	
Flow Rate (GPM)	
Total Gallons	

meter display in 100 of gallons

Effluent Flow Meter Reading	
Flow Rate	
Total Gallons (GPH)	

Weather: *partly cloudy 67°*

Notes:

Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 6-29-23  
HRP #: AEC 1003 0<sup>m</sup>

	Pipe ID	FID	MultiRae					VelociCalc				
		VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		20.2	0	20.9	0	0.0	81.1	10.0	65.6	59.9	21.92
Post-Blower Pre-Carbon*	5.706		38.0	0	20.9	0	0.0	79.4	0.582	63.6	57.2	90.20
EPA-SVE-1 (shallow)	1.913											
EPA-SVE-1 (medium)	1.913											
EPA-SVE-2 (shallow)	1.913											
EPA-SVE-2 (medium)	1.913											
SS-A	1.913											
SVE-3A	1.913		moisture ~~~~~						9.0	~~~~~		
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0.0	73.3	5.5	63.4	58.4	66.97
hSVE-1			84.0	0	20.9	0	0.0	71.4	6.5	62.6	58.3	48.6
hSVE-2			28.7	0	20.9	0	0.0	71.0	8.5	62.0	57.8	20.47
Background	N/A		0.0	0	20.9	0	0.0	70.5	~	63.9	57.7	~

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	closed	closed
SVE-2 Combined	open	open
SVE-3	open	open
SVE-4	closed	closed
EPA-SVE-04R/SSB(A)	↓	↓
SS-A		
SS-B(B)		
SS-B(C)		
L1		
L2	↓	↓
hSVE-1	open	open
hSVE-2	open	open

0.0 ppm PID Effluent  
24" Vac at blower  
bleed slightly open  
44 Hz VFD  
System running upon arrival

Equipment Calibrated by: DJA Air Readings Collected by: DJA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"

# APPENDIX C

## Groundwater Level Measurements

**Stanton Cleaners Area Superfund Site  
Water Level Data Summary**

Site: Stanton Cleaners Area Superfund Site

Date: 4-25-23

Location: 110 Cutter Mill Road, Great Neck, NY

Project #: DEC.1003.0M

Field Personnel: DJA, KG, CJL

Well ID	Depth to Water (feet)	Time (AM)	Notes
EPA-MW-11D	59.14	7:21	No Bolts
EPA-MW-21R	64.82	7:06	BHS, (1) tab broken.
EPA-MW-23	62.96	7:09	BHS - Bolt Holes Stripped
EPA-MW-26	57.71	7:18	No Bolts - Bolt holes asphalted in
EPA-MW-27	50.29	7:10	No Bolts
EPA-MW-9A	62.39	7:18	
ST-MW-11	59.39	7:24	No Bolts
ST-MW-12	70.02	7:30	No Bolts
ST-MW-13	84.81	7:24	BHS - (1) Bolt hole tab-broken
ST-MW-14	59.08	7:12	Bolt tab broken, ponded water
ST-MW-15	72.15	7:31	BHS
ST-MW-16	53.04	7:14	BHS
ST-MW-17	69.94	7:28	No Bolts
ST-MW-18	78.45	7:33	
ST-MW-19	64.34	7:15	No Bolts
ST-MW-20	76.22	7:26	No Bolts

# APPENDIX D

## Fire Safety Reports

Fire Safety Inspection Log  
 Stanton Dry Cleaners Site  
 NYSDEC Site No. 130072  
 110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items		
Item	Description	Result
1	Exit signs internally or externally illuminated	Yes
2	Smoke alarms tested and functioning	Yes
3	Water leaks/water damage observed inside building	No
4	Fire extinguishers within expiration or inspected annually	Yes
5	All fire extinguishers present	Yes
6	Electrical Breaker Panel Issues	No
7	Covers present on all junction boxes, electrical switches, and outlets	Yes
8	Any evidence of pests present inside building (rodents, insects, etc.)	No
9	Emergency lighting tested and functioning	Yes

Periodic System Testing and Inspection			
Item	Description	Frequency	Date Last Performed
10	Sprinkler system testing	Annual	
11	Battery powered emergency lighting tested	Annual	12-19-22
12	Fire Extinguishers annual inspection	Annual	5-12-22
13	Emergency Lighting Testing	Monthly	4-25-23

Inspected By: KG  
 Inspection Date: 4-25-23

Other Items Noted:

Fire Safety Inspection Log  
 Stanton Dry Cleaners Site  
 NYSDEC Site No. 130072  
 110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items			
Item	Description	Result	
1	Exit signs internally or externally illuminated	<input checked="" type="checkbox"/> Yes	No
2	Smoke alarms tested and functioning	<input checked="" type="checkbox"/> Yes	No
3	Water leaks/water damage observed inside building	Yes	<input checked="" type="checkbox"/> No
4	Fire extinguishers within expiration or inspected annually	<input checked="" type="checkbox"/> Yes	No
5	All fire extinguishers present	<input checked="" type="checkbox"/> Yes	No
6	Electrical Breaker Panel Issues	Yes	<input checked="" type="checkbox"/> No
7	Covers present on all junction boxes, electrical switches, and outlets	<input checked="" type="checkbox"/> Yes	No
8	Any evidence of pests present inside building (rodents, insects, etc.)	Yes	<input checked="" type="checkbox"/> No
9	Emergency lighting tested and functioning	<input checked="" type="checkbox"/> Yes	No

Periodic System Testing and Inspection				
Item	Description	Frequency	Date Last Performed	Date Due
10	Sprinkler system testing	Annual	—	—
11	Battery powered emergency lighting tested	Annual	12-19-22	12-19-23
12	Fire Extinguishers annual inspection	Annual	5-25-23	5-25-24
13	Emergency Lighting Testing	Monthly	5-25-23	

Inspected By: *DJA*

Inspection Date: *5-25-23*

Other Items Noted: *Coastal Fire Systems on-site for annual fire extinguisher inspection. All good.*

Fire Safety Inspection Log  
 Stanton Dry Cleaners Site  
 NYSDEC Site No. 130072  
 110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items		
Item	Description	Result
1	Exit signs internally or externally illuminated	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Smoke alarms tested and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Water leaks/water damage observed inside building	Yes <input checked="" type="checkbox"/> No
4	Fire extinguishers within expiration or inspected annually	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	All fire extinguishers present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	Electrical Breaker Panel Issues	Yes <input checked="" type="checkbox"/> No
7	Covers present on all junction boxes, electrical switches, and outlets	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8	Any evidence of pests present inside building (rodents, insects, etc.)	Yes <input checked="" type="checkbox"/> No
9	Emergency lighting tested and functioning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Periodic System Testing and Inspection				
Item	Description	Frequency	Date Last Performed	Date Due
10	Sprinkler system testing	Annual	—	—
11	Battery powered emergency lighting tested	Annual	12-19-22	12-19-23
12	Fire Extinguishers annual inspection	Annual	5-25-22	5-25-24
13	Emergency Lighting Testing	Monthly	6-29-23	

Inspected By: *Dave Adams*  
 Inspection Date: *6-29-23*  
 Other Items Noted:

# APPENDIX E

## Laboratory Analytical Reports

June 5, 2023

Payson Long  
NYDEC\_HRP Associates, Inc. - Farmington, CT  
197 Scott Swamp Road  
Farmington, CT 06032

Project Location: 110 Cattermill Rd, Great Neck, NY  
Client Job Number:  
Project Number: 130072  
Laboratory Work Order Number: 23E3882

Enclosed are results of analyses for samples as received by the laboratory on May 26, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy  
Project Manager

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NYDEC\_HRP Associates, Inc. - Farmington, CT  
197 Scott Swamp Road  
Farmington, CT 06032  
ATTN: Payson Long

REPORT DATE: 6/5/2023

PURCHASE ORDER NUMBER: 141716

PROJECT NUMBER: 130072

**ANALYTICAL SUMMARY**

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WORK ORDER NUMBER: 23E3882

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 110 Cattermill Rd, Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-INF	23E3882-01	Air		EPA TO-15	
SVE-EFF	23E3882-02	Air		EPA TO-15	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**EPA TO-15**

**Qualifications:**

**A-09**

Holding times and stability of samples taken in tedlar bags have not been determined

**Analyte & Samples(s) Qualified:**

23E3882-01[SVE-INF], 23E3882-02[SVE-EFF]

**L-05**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

**Analyte & Samples(s) Qualified:**

**2-Hexanone (MBK)**

23E3882-02[SVE-EFF], B342282-BS1

**Ethanol**

23E3882-02[SVE-EFF]

**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

**Analyte & Samples(s) Qualified:**

**Ethanol**

23E3882-01[SVE-INF], B342282-BS1, S088547-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley  
Reporting Specialist

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**ANALYTICAL RESULTS**

 Project Location: 110 Cattermill Rd, Great Neck, N  
 Date Received: 5/26/2023  
**Field Sample #: SVE-INF**  
**Sample ID: 23E3882-01**  
 Sample Matrix: Air  
 Sampled: 5/25/2023 06:58

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID:  
 Canister Size:  
 Flow Controller ID:  
 Sample Type:

**Work Order: 23E3882**  
 Initial Vacuum(in Hg):  
 Final Vacuum(in Hg):  
 Receipt Vacuum(in Hg):  
 Flow Controller Type:  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

**EPA TO-15**

Sample Flags: A-09

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	80		ND	190	40	6/3/23	1:34	CMR
Benzene	ND	2.0		ND	6.4	40	6/3/23	1:34	CMR
Benzyl chloride	ND	2.0		ND	10	40	6/3/23	1:34	CMR
Bromodichloromethane	ND	2.0		ND	13	40	6/3/23	1:34	CMR
Bromoform	ND	2.0		ND	21	40	6/3/23	1:34	CMR
Bromomethane	ND	2.0		ND	7.8	40	6/3/23	1:34	CMR
1,3-Butadiene	ND	2.0		ND	4.4	40	6/3/23	1:34	CMR
2-Butanone (MEK)	ND	80		ND	240	40	6/3/23	1:34	CMR
Carbon Disulfide	ND	20		ND	62	40	6/3/23	1:34	CMR
Carbon Tetrachloride	ND	2.0		ND	13	40	6/3/23	1:34	CMR
Chlorobenzene	ND	2.0		ND	9.2	40	6/3/23	1:34	CMR
Chloroethane	ND	2.0		ND	5.3	40	6/3/23	1:34	CMR
Chloroform	ND	2.0		ND	9.8	40	6/3/23	1:34	CMR
Chloromethane	ND	4.0		ND	8.3	40	6/3/23	1:34	CMR
Cyclohexane	ND	2.0		ND	6.9	40	6/3/23	1:34	CMR
Dibromochloromethane	ND	2.0		ND	17	40	6/3/23	1:34	CMR
1,2-Dibromoethane (EDB)	ND	2.0		ND	15	40	6/3/23	1:34	CMR
1,2-Dichlorobenzene	ND	2.0		ND	12	40	6/3/23	1:34	CMR
1,3-Dichlorobenzene	ND	2.0		ND	12	40	6/3/23	1:34	CMR
1,4-Dichlorobenzene	ND	2.0		ND	12	40	6/3/23	1:34	CMR
Dichlorodifluoromethane (Freon 12)	ND	2.0		ND	9.9	40	6/3/23	1:34	CMR
1,1-Dichloroethane	ND	2.0		ND	8.1	40	6/3/23	1:34	CMR
1,2-Dichloroethane	ND	2.0		ND	8.1	40	6/3/23	1:34	CMR
1,1-Dichloroethylene	ND	2.0		ND	7.9	40	6/3/23	1:34	CMR
cis-1,2-Dichloroethylene	38	2.0		150	7.9	40	6/3/23	1:34	CMR
trans-1,2-Dichloroethylene	2.4	2.0		9.4	7.9	40	6/3/23	1:34	CMR
1,2-Dichloropropane	ND	2.0		ND	9.2	40	6/3/23	1:34	CMR
cis-1,3-Dichloropropene	ND	2.0		ND	9.1	40	6/3/23	1:34	CMR
trans-1,3-Dichloropropene	ND	2.0		ND	9.1	40	6/3/23	1:34	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0		ND	14	40	6/3/23	1:34	CMR
1,4-Dioxane	ND	20		ND	72	40	6/3/23	1:34	CMR
Ethanol	120	80	V-06	230	150	40	6/3/23	1:34	CMR
Ethyl Acetate	ND	20		ND	72	40	6/3/23	1:34	CMR
Ethylbenzene	ND	2.0		ND	8.7	40	6/3/23	1:34	CMR
4-Ethyltoluene	ND	2.0		ND	9.8	40	6/3/23	1:34	CMR
Heptane	ND	2.0		ND	8.2	40	6/3/23	1:34	CMR
Hexachlorobutadiene	ND	2.0		ND	21	40	6/3/23	1:34	CMR

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**ANALYTICAL RESULTS**

 Project Location: 110 Cattermill Rd, Great Neck, N  
 Date Received: 5/26/2023  
**Field Sample #: SVE-INF**  
**Sample ID: 23E3882-01**  
 Sample Matrix: Air  
 Sampled: 5/25/2023 06:58

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID:  
 Canister Size:  
 Flow Controller ID:  
 Sample Type:

**Work Order: 23E3882**  
 Initial Vacuum(in Hg):  
 Final Vacuum(in Hg):  
 Receipt Vacuum(in Hg):  
 Flow Controller Type:  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

**EPA TO-15**

Sample Flags: A-09

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	80		ND	280	40	6/3/23	1:34	CMR
2-Hexanone (MBK)	ND	2.0		ND	8.2	40	6/3/23	1:34	CMR
Isopropanol	ND	80		ND	200	40	6/3/23	1:34	CMR
Methyl tert-Butyl Ether (MTBE)	ND	2.0		ND	7.2	40	6/3/23	1:34	CMR
Methylene Chloride	48	20		170	69	40	6/3/23	1:34	CMR
4-Methyl-2-pentanone (MIBK)	ND	2.0		ND	8.2	40	6/3/23	1:34	CMR
Naphthalene	ND	2.0		ND	10	40	6/3/23	1:34	CMR
Propene	ND	80		ND	140	40	6/3/23	1:34	CMR
Styrene	ND	2.0		ND	8.5	40	6/3/23	1:34	CMR
1,1,2,2-Tetrachloroethane	ND	2.0		ND	14	40	6/3/23	1:34	CMR
Tetrachloroethylene	1000	2.0		7100	14	40	6/3/23	1:34	CMR
Tetrahydrofuran	ND	20		ND	59	40	6/3/23	1:34	CMR
Toluene	4.6	2.0		17	7.5	40	6/3/23	1:34	CMR
1,2,4-Trichlorobenzene	ND	2.0		ND	15	40	6/3/23	1:34	CMR
1,1,1-Trichloroethane	ND	2.0		ND	11	40	6/3/23	1:34	CMR
1,1,2-Trichloroethane	ND	2.0		ND	11	40	6/3/23	1:34	CMR
Trichloroethylene	37	2.0		200	11	40	6/3/23	1:34	CMR
Trichlorofluoromethane (Freon 11)	ND	8.0		ND	45	40	6/3/23	1:34	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0		ND	61	40	6/3/23	1:34	CMR
1,2,4-Trimethylbenzene	ND	2.0		ND	9.8	40	6/3/23	1:34	CMR
1,3,5-Trimethylbenzene	ND	2.0		ND	9.8	40	6/3/23	1:34	CMR
Vinyl Acetate	ND	40		ND	140	40	6/3/23	1:34	CMR
Vinyl Chloride	ND	2.0		ND	5.1	40	6/3/23	1:34	CMR
m&p-Xylene	ND	4.0		ND	17	40	6/3/23	1:34	CMR
o-Xylene	ND	2.0		ND	8.7	40	6/3/23	1:34	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.5	70-130	6/3/23 1:34

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**ANALYTICAL RESULTS**

 Project Location: 110 Cattermill Rd, Great Neck, N  
 Date Received: 5/26/2023  
**Field Sample #: SVE-EFF**  
**Sample ID: 23E3882-02**  
 Sample Matrix: Air  
 Sampled: 5/25/2023 06:47

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID:  
 Canister Size:  
 Flow Controller ID:  
 Sample Type:

**Work Order: 23E3882**  
 Initial Vacuum(in Hg):  
 Final Vacuum(in Hg):  
 Receipt Vacuum(in Hg):  
 Flow Controller Type:  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

**EPA TO-15**

Sample Flags: A-09

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	13	4.0		32	9.5	2	6/3/23	0:55	CMR
Benzene	0.30	0.10		0.95	0.32	2	6/3/23	0:55	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	6/3/23	0:55	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	6/3/23	0:55	CMR
Bromoform	ND	0.10		ND	1.0	2	6/3/23	0:55	CMR
Bromomethane	ND	0.10		ND	0.39	2	6/3/23	0:55	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	6/3/23	0:55	CMR
2-Butanone (MEK)	ND	4.0		ND	12	2	6/3/23	0:55	CMR
Carbon Disulfide	ND	1.0		ND	3.1	2	6/3/23	0:55	CMR
Carbon Tetrachloride	ND	0.10		ND	0.63	2	6/3/23	0:55	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	6/3/23	0:55	CMR
Chloroethane	ND	0.10		ND	0.26	2	6/3/23	0:55	CMR
Chloroform	ND	0.10		ND	0.49	2	6/3/23	0:55	CMR
Chloromethane	0.48	0.20		0.99	0.41	2	6/3/23	0:55	CMR
Cyclohexane	ND	0.10		ND	0.34	2	6/3/23	0:55	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	6/3/23	0:55	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	6/3/23	0:55	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	6/3/23	0:55	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	6/3/23	0:55	CMR
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	6/3/23	0:55	CMR
Dichlorodifluoromethane (Freon 12)	0.30	0.10		1.5	0.49	2	6/3/23	0:55	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	6/3/23	0:55	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	6/3/23	0:55	CMR
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	6/3/23	0:55	CMR
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	6/3/23	0:55	CMR
trans-1,2-Dichloroethylene	1.0	0.10		4.0	0.40	2	6/3/23	0:55	CMR
1,2-Dichloropropane	0.90	0.10		4.2	0.46	2	6/3/23	0:55	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	6/3/23	0:55	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	6/3/23	0:55	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	6/3/23	0:55	CMR
1,4-Dioxane	ND	1.0		ND	3.6	2	6/3/23	0:55	CMR
Ethanol	82	4.0	L-05	150	7.5	2	6/3/23	0:55	CMR
Ethyl Acetate	ND	1.0		ND	3.6	2	6/3/23	0:55	CMR
Ethylbenzene	0.29	0.10		1.3	0.43	2	6/3/23	0:55	CMR
4-Ethyltoluene	0.11	0.10		0.56	0.49	2	6/3/23	0:55	CMR
Heptane	0.26	0.10		1.1	0.41	2	6/3/23	0:55	CMR
Hexachlorobutadiene	ND	0.10		ND	1.1	2	6/3/23	0:55	CMR

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**ANALYTICAL RESULTS**

 Project Location: 110 Cattermill Rd, Great Neck, N  
 Date Received: 5/26/2023  
**Field Sample #: SVE-EFF**  
**Sample ID: 23E3882-02**  
 Sample Matrix: Air  
 Sampled: 5/25/2023 06:47

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID:  
 Canister Size:  
 Flow Controller ID:  
 Sample Type:

**Work Order: 23E3882**  
 Initial Vacuum(in Hg):  
 Final Vacuum(in Hg):  
 Receipt Vacuum(in Hg):  
 Flow Controller Type:  
 Flow Controller Calibration  
 RPD Pre and Post-Sampling:

**EPA TO-15**

Sample Flags: A-09

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	4.6	4.0		16	14	2	6/3/23	0:55	CMR
2-Hexanone (MBK)	0.10	0.10	L-05	0.42	0.41	2	6/3/23	0:55	CMR
Isopropanol	5.0	4.0		12	9.8	2	6/3/23	0:55	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	6/3/23	0:55	CMR
Methylene Chloride	29	1.0		100	3.5	2	6/3/23	0:55	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	6/3/23	0:55	CMR
Naphthalene	ND	0.10		ND	0.52	2	6/3/23	0:55	CMR
Propene	ND	4.0		ND	6.9	2	6/3/23	0:55	CMR
Styrene	ND	0.10		ND	0.43	2	6/3/23	0:55	CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	6/3/23	0:55	CMR
Tetrachloroethylene	0.30	0.10		2.0	0.68	2	6/3/23	0:55	CMR
Tetrahydrofuran	ND	1.0		ND	2.9	2	6/3/23	0:55	CMR
Toluene	6.3	0.10		24	0.38	2	6/3/23	0:55	CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	6/3/23	0:55	CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	6/3/23	0:55	CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	6/3/23	0:55	CMR
Trichloroethylene	ND	0.10		ND	0.54	2	6/3/23	0:55	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	6/3/23	0:55	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	6/3/23	0:55	CMR
1,2,4-Trimethylbenzene	0.45	0.10		2.2	0.49	2	6/3/23	0:55	CMR
1,3,5-Trimethylbenzene	0.12	0.10		0.59	0.49	2	6/3/23	0:55	CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	6/3/23	0:55	CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	6/3/23	0:55	CMR
m&p-Xylene	1.2	0.20		5.0	0.87	2	6/3/23	0:55	CMR
o-Xylene	0.40	0.10		1.8	0.43	2	6/3/23	0:55	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.6	70-130	6/3/23 0:55

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**Sample Extraction Data**
**Prep Method:TO-15 Prep**
**Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23E3882-01 [SVE-INF]	B342282	1	1	N/A	1000	400	10	06/02/23
23E3882-02 [SVE-EFF]	B342282	1	1	N/A	1000	400	200	06/02/23

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## QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
<b>Batch B342282 - TO-15 Prep</b>											
<b>Blank (B342282-BLK1)</b>											
						Prepared & Analyzed: 06/02/23					
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Limit	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits				
<b>Batch B342282 - TO-15 Prep</b>												
<b>Blank (B342282-BLK1)</b>						Prepared & Analyzed: 06/02/23						
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.35										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	ND	0.035										
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.37</i>				<i>8.00</i>		<i>92.1</i>		<i>70-130</i>			
<b>LCS (B342282-BS1)</b>						Prepared & Analyzed: 06/02/23						
Acetone	5.30				5.00		106		70-130			
Benzene	5.85				5.00		117		70-130			
Benzyl chloride	6.47				5.00		129		70-130			
Bromodichloromethane	5.52				5.00		110		70-130			
Bromoform	5.08				5.00		102		70-130			
Bromomethane	4.93				5.00		98.5		70-130			
1,3-Butadiene	5.21				5.00		104		70-130			
2-Butanone (MEK)	5.19				5.00		104		70-130			
Carbon Disulfide	5.44				5.00		109		70-130			
Carbon Tetrachloride	4.99				5.00		99.7		70-130			
Chlorobenzene	4.96				5.00		99.2		70-130			
Chloroethane	5.46				5.00		109		70-130			
Chloroform	5.14				5.00		103		70-130			
Chloromethane	5.07				5.00		101		70-130			
Cyclohexane	6.08				5.00		122		70-130			
Dibromochloromethane	4.80				5.00		96.1		70-130			
1,2-Dibromoethane (EDB)	5.10				5.00		102		70-130			
1,2-Dichlorobenzene	4.65				5.00		93.1		70-130			
1,3-Dichlorobenzene	4.78				5.00		95.6		70-130			
1,4-Dichlorobenzene	4.72				5.00		94.3		70-130			
Dichlorodifluoromethane (Freon 12)	5.46				5.00		109		70-130			
1,1-Dichloroethane	5.10				5.00		102		70-130			
1,2-Dichloroethane	5.26				5.00		105		70-130			
1,1-Dichloroethylene	5.22				5.00		104		70-130			
cis-1,2-Dichloroethylene	5.17				5.00		103		70-130			
trans-1,2-Dichloroethylene	5.24				5.00		105		70-130			
1,2-Dichloropropane	5.63				5.00		113		70-130			

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**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	
<b>Batch B342282 - TO-15 Prep</b>										
<b>LCS (B342282-BS1)</b>					Prepared & Analyzed: 06/02/23					
cis-1,3-Dichloropropene	6.00				5.00		120	70-130		
trans-1,3-Dichloropropene	6.38				5.00		128	70-130		
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.76				5.00		95.1	70-130		
1,4-Dioxane	6.34				5.00		127	70-130		
Ethanol	5.93				5.00		119	70-130		V-06
Ethyl Acetate	5.05				5.00		101	70-130		
Ethylbenzene	6.06				5.00		121	70-130		
4-Ethyltoluene	6.26				5.00		125	70-130		
Heptane	6.15				5.00		123	70-130		
Hexachlorobutadiene	4.51				4.25		106	70-130		
Hexane	4.96				5.00		99.2	70-130		
2-Hexanone (MBK)	6.58				5.00		132 *	70-130		L-05
Isopropanol	4.50				5.00		90.0	70-130		
Methyl tert-Butyl Ether (MTBE)	5.59				5.00		112	70-130		
Methylene Chloride	4.85				5.00		96.9	70-130		
4-Methyl-2-pentanone (MIBK)	6.43				5.00		129	70-130		
Naphthalene	4.50				3.68		122	70-130		
Propene	4.77				5.00		95.4	70-130		
Styrene	6.20				5.00		124	70-130		
1,1,2,2-Tetrachloroethane	5.73				5.00		115	70-130		
Tetrachloroethylene	4.53				5.00		90.6	70-130		
Tetrahydrofuran	6.10				5.00		122	70-130		
Toluene	5.84				5.00		117	70-130		
1,2,4-Trichlorobenzene	4.40				3.90		113	70-130		
1,1,1-Trichloroethane	5.09				5.00		102	70-130		
1,1,2-Trichloroethane	5.48				5.00		110	70-130		
Trichloroethylene	5.48				5.00		110	70-130		
Trichlorofluoromethane (Freon 11)	4.67				5.00		93.5	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.55				5.00		90.9	70-130		
1,2,4-Trimethylbenzene	6.04				5.00		121	70-130		
1,3,5-Trimethylbenzene	6.02				5.00		120	70-130		
Vinyl Acetate	5.79				5.00		116	70-130		
Vinyl Chloride	5.34				5.00		107	70-130		
m&p-Xylene	12.7				10.0		127	70-130		
o-Xylene	6.32				5.00		126	70-130		
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.54</i>				<i>8.00</i>		<i>94.3</i>	<i>70-130</i>		

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**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
A-09	Holding times and stability of samples taken in tedlar bags have not been determined
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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**INTERNAL STANDARD AREA AND RT SUMMARY**
**EPA TO-15**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Initial Cal Check (S087880-ICV1)</b>			Lab File ID: G23A142005.D			Analyzed: 05/22/23 12:35			
Bromochloromethane (1)	1177814	8.294	1158082	8.295	102	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	2526889	10.069	2494103	10.069	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2419599	14.434	2397714	14.434	101	60 - 140	0.0000	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY**
**EPA TO-15**

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
<b>Calibration Check (S088547-CCV1)</b>			Lab File ID: G23A153009.D			Analyzed: 06/02/23 19:23			
Bromochloromethane (1)	1179591	8.288	1158082	8.295	102	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	2231344	10.062	2494103	10.069	89	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	2112102	14.433	2397714	14.434	88	60 - 140	-0.0010	+/-0.50	
<b>LCS (B342282-BS1)</b>			Lab File ID: G23A153010.D			Analyzed: 06/02/23 20:03			
Bromochloromethane (1)	1184733	8.294	1179591	8.288	100	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2255034	10.062	2231344	10.062	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2119847	14.427	2112102	14.433	100	60 - 140	-0.0060	+/-0.50	
<b>Blank (B342282-BLK1)</b>			Lab File ID: G23A153013.D			Analyzed: 06/02/23 22:11			
Bromochloromethane (1)	1110788	8.294	1179591	8.288	94	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2055914	10.069	2231344	10.062	92	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	1958625	14.434	2112102	14.433	93	60 - 140	0.0010	+/-0.50	
<b>SVE-EFF (23E3882-02)</b>			Lab File ID: G23A153017.D			Analyzed: 06/03/23 00:55			
Bromochloromethane (1)	1274177	8.288	1179591	8.288	108	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2436417	10.062	2231344	10.062	109	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2338544	14.427	2112102	14.433	111	60 - 140	-0.0060	+/-0.50	
<b>SVE-INF (23E3882-01)</b>			Lab File ID: G23A153018.D			Analyzed: 06/03/23 01:34			
Bromochloromethane (1)	1213285	8.294	1179591	8.288	103	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2270432	10.062	2231344	10.062	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2162569	14.427	2112102	14.433	102	60 - 140	-0.0060	+/-0.50	

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## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S088547-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.46	0.842918	0.9205007		9.2	30
Benzene	A	5.00	6.01	0.7637592	0.9181007		20.2	30
Benzyl chloride	A	5.00	6.35	0.8073339	1.025238		27.0	30
Bromodichloromethane	A	5.00	5.70	0.6340264	0.7222804		13.9	30
Bromoform	A	5.00	4.80	0.5011309	0.4809813		-4.0	30
Bromomethane	A	5.00	4.84	0.4077907	0.395139		-3.1	30
1,3-Butadiene	A	5.00	5.22	0.3749869	0.3915106		4.4	30
2-Butanone (MEK)	A	5.00	4.94	1.356654	1.340919		-1.2	30
Carbon Disulfide	A	5.00	5.67	1.498765	1.700549		13.5	30
Carbon Tetrachloride	A	5.00	5.01	0.539535	0.5401652		0.1	30
Chlorobenzene	A	5.00	5.02	0.7621755	0.7650168		0.4	30
Chloroethane	A	5.00	5.42	0.2218197	0.2404996		8.4	30
Chloroform	A	5.00	5.29	1.217612	1.288482		5.8	30
Chloromethane	A	5.00	5.08	0.4957722	0.5041829		1.7	30
Cyclohexane	A	5.00	5.91	0.2931361	0.3462258		18.1	30
Dibromochloromethane	A	5.00	4.70	0.6090453	0.5725951		-6.0	30
1,2-Dibromoethane (EDB)	A	5.00	5.24	0.5427769	0.568699		4.8	30
1,2-Dichlorobenzene	A	5.00	4.57	0.5821018	0.5319319		-8.6	30
1,3-Dichlorobenzene	A	5.00	4.82	0.6255462	0.6028095		-3.6	30
1,4-Dichlorobenzene	A	5.00	4.72	0.6180168	0.5832324		-5.6	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.58	1.160248	1.293906		11.5	30
1,1-Dichloroethane	A	5.00	5.10	1.08368	1.105393		2.0	30
1,2-Dichloroethane	A	5.00	5.29	0.8141384	0.8609588		5.8	30
1,1-Dichloroethylene	A	5.00	5.37	0.9011757	0.967142		7.3	30
cis-1,2-Dichloroethylene	A	5.00	5.42	0.7729613	0.8374564		8.3	30
trans-1,2-Dichloroethylene	A	5.00	5.22	0.8219112	0.8578824		4.4	30
1,2-Dichloropropane	A	5.00	5.70	0.3298189	0.3763307		14.1	30
cis-1,3-Dichloropropene	A	5.00	6.24	0.4150927	0.5181889		24.8	30
trans-1,3-Dichloropropene	A	5.00	6.33	0.3654657	0.4628443		26.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.96	1.209903	1.200371		-0.8	30
1,4-Dioxane	A	5.00	6.13	0.1479759	0.1813924		22.6	30
Ethanol	A	5.00	6.60	0.1349814	0.1782692		32.1	30 *
Ethyl Acetate	A	5.00	5.42	0.2012452	0.217944		8.3	30
Ethylbenzene	A	5.00	6.15	1.135348	1.396783		23.0	30
4-Ethyltoluene	A	5.00	6.03	1.109241	1.338497		20.7	30
Heptane	A	5.00	6.10	0.2586753	0.3154848		22.0	30
Hexachlorobutadiene	A	5.00	4.45	0.387821	0.3452364		-11.0	30
Hexane	A	5.00	4.82	0.8920789	0.8591249		-3.7	30

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## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S088547-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	6.35	0.7281651	0.924769		27.0	30
Isopropanol	A	5.00	5.23	1.000317	1.046532		4.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.42	1.287691	1.397173		8.5	30
Methylene Chloride	A	5.00	4.91	0.7800979	0.7657949		-1.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	6.09	0.7770459	0.946646		21.8	30
Naphthalene	A	5.00	5.14	0.8550023	0.8791144		2.8	30
Propene	A	5.00	4.67	0.5584422	0.5214933		-6.6	30
Styrene	A	5.00	6.15	0.6029259	0.7421354		23.1	30
1,1,2,2-Tetrachloroethane	A	5.00	5.71	0.8096179	0.9251152		14.3	30
Tetrachloroethylene	A	5.00	5.96	0.4009165	0.4776004		19.1	30
Tetrahydrofuran	A	5.00	5.68	0.1920565	0.218157		13.6	30
Toluene	A	5.00	5.92	0.9093073	1.075797		18.3	30
1,2,4-Trichlorobenzene	A	5.00	4.74	0.3643446	0.3452742		-5.2	30
1,1,1-Trichloroethane	A	5.00	5.40	0.5599026	0.6041625		7.9	30
1,1,2-Trichloroethane	A	5.00	5.50	0.3528872	0.3881744		10.0	30
Trichloroethylene	A	5.00	5.76	0.3564595	0.410568		15.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.62	1.116203	1.032312		-7.5	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.58	1.151585	1.054577		-8.4	30
1,2,4-Trimethylbenzene	A	5.00	6.20	0.8946339	1.109258		24.0	30
1,3,5-Trimethylbenzene	A	5.00	6.08	0.9396313	1.142069		21.5	30
Vinyl Acetate	A	5.00	5.35	1.381	1.477254		7.0	30
Vinyl Chloride	A	5.00	5.37	0.4775782	0.5131989		7.5	30
m&p-Xylene	A	10.0	12.8	0.8677866	1.113706		28.3	30
o-Xylene	A	5.00	6.38	0.8787838	1.120951		27.6	30

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

**CERTIFICATIONS**
**Certified Analyses included in this Report**

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

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39 Spruce Street  
East Longmeadow, MA 01078

Phone: 413-525-2332  
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Access COC's and Support Requests

HIRP Associates

Address: 197 SON Swamp Rd Farmington, CT

Phone:

Project Name: NYS site # 130072

Project Location: 110 CATTARAUGUS RD GREAT NECK, NY

Project Number: DEC 100300A

Project Manager: DECK BOY

Pace Quote Name/Number:

Invoice Recipient:

Sampled By: Dave Adams

Beginning Date/Time: 5/25/15

Client Sample ID / Description: 01 SVE - INF

02 SVE - EFF

Ending Date/Time: 6/17/15

Matrix Code: A

COMP/GRAB: J..

Conc Code: V

Requested Through Time: 10-Day

7-Day PFAS 10-Day (std)

Rush-Approval Required

1-Day 2-Day 3-Day 4-Day

Field Filtered Lab to Filter

Orthophosphate Samples

Field Filtered Lab to Filter

Data Delivery

Format: PDF EXCEL

Other: SOXHLET

CLP Like Data Plg Required:

Email To:

Fax To #:

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

Other: PWSID #

Project Entity

Government Federal City

Municipality 21 J Brownfield

MAWRA School MBTA

WRTA

Chromatogram

A/MA-LAP, LLC

Other

MA, MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

ANALYSIS REQUESTED

Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
A	V				X	
V					X	

1 Preservation Code

Courier Use Only  
Total Number Of:

VIALS \_\_\_\_\_  
GLASS \_\_\_\_\_  
PLASTIC \_\_\_\_\_  
BACTERIA \_\_\_\_\_  
ENCORE \_\_\_\_\_

Glassware in the fridge?  
Y N

Glassware in freezer? Y N

Prepackaged Coolers? Y N

\*Pace Analytical is not responsible for missing samples from prepacked coolers

1 Matrix Codes:  
GW = Ground Water  
WW = Waste Water  
DW = Drinking Water  
A = Air  
S = Soil  
SL = Sludge  
SOL = Solid  
O = Other (please define)

2 Preservation Codes:  
I = Iced  
H = HCL  
M = Methanol  
N = Nitric Acid  
S = Sulfuric Acid  
B = Sodium Bisulfate  
X = Sodium Hydroxide  
T = Sodium Thiosulfate  
O = Other (please define)

Client Comments: Tedlar bags NYS project site #130072 Bill directly to NYSDEC Payson Long P.M.

Special Requirements  
MA MCP Required  
MCP Certification Form Required  
CT RCP Required  
RCP Certification Form Required  
MA State DW Required

Please use the following codes to indicate possible sample concentration within the Conc Code column above:  
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

39 Spruce St.  
 East Longmeadow, MA. 01028  
 P: 413-525-2332  
 F: 413-525-6405  
 www.pacelabs.com

# Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing  
 – Using Acceptance Policy) Any False statement will be  
 brought to the attention of the Client – True or False



Client HRP ASSOCIATES / NYDEC  
 Project NYS site #130072  
 MCP/RCP Required \_\_\_\_\_  
 Deliverable Package Requirement CAT B  
 Location 110 CATERMILL RD GREAT NECK, NY  
 PWSID# (When Applicable) \_\_\_\_\_  
 Arrival Method COURIER  
 Received By / Date / Time CMH 5/26/23 1620  
 Back-Sheet By / Date / Time KMC 5/31/23 0930  
 Temperature Method \_\_\_\_\_ # \_\_\_\_\_  
 Temp < 6° C  Actual Temperature \_\_\_\_\_  
 Rush Samples: Yes /  No \_\_\_\_\_ Notify \_\_\_\_\_  
 Short Hold: Yes /  No \_\_\_\_\_ Notify \_\_\_\_\_

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE _____ TIME _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COC Included: (Check all included)

Client  Analysis  Sampler Name   
 Project  IDs  Collection Date/Time

**Notes regarding Samples/COC outside of SOP:**  
 \_\_\_\_\_  
 \_\_\_\_\_

Container	#	Size	Regulator	Duration	Accessories		
Summa Cans					Nut/Ferrule		IC Train
Tedlar Bags	2				Tubing		
TO-17 Tubes					T-Connector		Shipping Charges
Radiello					Syringe		
Pufs/ TO-11					Tedlar	2	

Can #'s	8	16	24	Reg's #'s	8	16	24
1	9	17	25	1	9	17	25
2	10	18	26	2	10	18	26
3	11	19	27	3	11	19	27
4	12	20	28	4	12	20	28
5	13	21	29	5	13	21	29
6	14	22	30	6	14	22	30
7	15	23	31	7	15	23	31
Unused Media	8	16	24	Pufs/TO-17's	8	16	24
1	9	17	25	1	9	17	25
2	10	18	26	2	10	18	26
3	11	19	27	3	11	19	27
4	12	20	28	4	12	20	28
5	13	21	29	5	13	21	29
6	14	22	30	6	14	22	30
7	15	23	31	7	15	23	31