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QUARTERLY OPERATIONS AND MAINTENANCE REPORT – FIRST QUARTER 2024

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

Issued On: April 29, 2024

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GENERAL INFORMATION

Project/Site Information:
Stanton Cleaners Area Superfund Site
110 Cutter Mill Road
Great Neck, NY 11021

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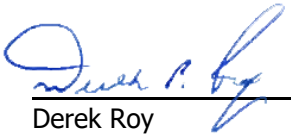
Project Manager: 

Derek Roy
Project Manager

1.0 INTRODUCTION

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 first quarter of 2024 (January through March 2024). 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

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 onsite 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.

In January 2024, as approved by the NYSDEC, the groundwater sampling frequency was changed from semi-annually to every 15 months, starting from the July 2023 groundwater sampling event.

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

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 monitoring the day-to-day active remediation system. 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 GWE&T System Annual SPDES 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 first quarter of 2024 on January 26, February 29, and March 15, 2024. 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 January 26, 2024. Concentrations of PCE were detected in the influent sample (SVE_INF) at 42 micrograms per cubic meter (µg/m^3). PCE was detected in the effluent sample (SVE_EFF) at a concentration of 1µg/m^3. Concentrations of TCE were detected in the influent sample at 40.0 µg/m^3 and were not detected above laboratory reporting limit (RL) in the effluent sample. Several non-chlorinated VOCs were detected in the effluent including 1,2-dichloropropane, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, acetone, benzene, chloroform, chloromethane, dichlorodifluoromethane, ethanol, ethylbenzene, isopropyl alcohol, m&p-xylene, o-xylene, methyl tert butyl ether, tetrahydrofuran, and toluene. Laboratory sample results are included on **Table 1**. The laboratory analytical reports are included in **Appendix C**.

Photoionization detector (PID) readings are collected at each influent leg of the SVE system during each monthly visit. The PID readings at hSVE-1 ranged between 0.0 to 0.5 parts per million (ppm); hSVE-2 ranged between 0.0 to 5.5 ppm; PID readings at SVE-3A were not able to be collected due to moisture buildup in the piping. The readings are recorded on each of the monthly monitoring logs.

The PID readings at the SVE system effluent during each monthly visit were recorded at 0.0 ppm, as recorded on the monthly monitoring logs.

The VelociCalc® meter recorded a flow rate of approximately 21.81 cfm at the SVE influent in January, 23.23 cfm in February, and 20.68 cfm in March 2024. Based on the data available, approximately 2.67 pounds (lb) of chlorinated VOCs (consisting primarily of PCE, TCE, and cis-1,2-DCE) were removed by the SVE system during this reporting period. The VOC mass removal for the first quarter of 2024 is summarized on **Table 2**.

4.0 MONITORING PROGRAM

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**).
- Groundwater sampling of the well network (conducted every fifteen months, starting July 2023) for analysis of VOCs via EPA Method 624.1, per and polyfluoroalkyl substances (PFAS) via Method 1633, and 1,4-dioxane via method 8270.
- Annual SVI sampling at the LIHA (January).
- Monitoring of the WAGNN supply well (discontinued following shutdown of the GWE&T system).

4.1 Plume Perimeter Monitoring

Monthly gauging was discontinued following the April 2023 O&M event since the gauging activities were conducted to monitor the inactive GWE&T system.

The locations and number of wells monitored were previously determined by the EPA based on the 2014 *Final Capture Zone Analysis Report*. **Figure 3** depicts the network of monitoring wells.

4.2 Groundwater Monitoring Well Repairs

No well repairs were conducted during the first quarter of 2024.

4.3 Groundwater Sampling

The next routine groundwater sampling event is scheduled for October 2024. **Table 3** summarizes the groundwater monitoring schedule.

4.4 Indoor Air Quality Sampling

Annual indoor air sampling at the LIHA was conducted on January 26-27, 2024. Three indoor air samples (two basement; one first floor), one outdoor air sample, and one duplicate indoor air sample were collected from the LIHA building using 6-liter Summa® canisters, equipped with 24-hour flow controllers, and submitted for the analysis of VOCs via USEPA Method TO-15.

The indoor air (IA) investigations were conducted in general accordance with the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006* (updated May 2017).

PCE was detected in samples IA1, IA2, IA3 and OA1 at concentrations (1.2, 1.0, 1.3, and 0.34 µg/m^3 respectively) below the NYSDOH Air Guidance Value of 30 µg/m^3. TCE was not detected in any samples above the laboratory reporting limits.

The following other compounds were detected in all or some of the samples: 1,2,4-trimethylbenzene, 1,3,5-trimethyl-benzene, 1,4-dichlorobenzene, 2-hexanone, acetone, benzene, carbon tetrachloride, chloroethane, chloroform, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, ethyl acetate, ethylbenzene, heptane, isopropyl alcohol, m,p-xylene, methyl isobutyl ketone (MIBK), naphthalene, o-xylene, styrene, tetrahydrofuran, toluene, and trichlorofluoromethane. Analytical results are summarized on **Table 4**.

4.5 Water Authority of Great Neck North Public Supply Well Monitoring

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

4.6 Fire Safety Inspection Tasks

Monthly fire inspections and emergency lighting testing were completed monthly during the first quarter of 2024. 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

Several O&M issues were identified when HRP assumed O&M responsibilities in January 2021. The following lists items that HRP has worked on during the reporting period or is working to address in 2024:

- 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.
- Fire safety inspections are performed monthly. During the February O&M event, the smoke detector in the main level office was found inoperable and was replaced with a new unit.

Maintenance issues and recommended solutions are part of ongoing O&M of the remediation systems in 2024.

6.0 FUTURE ACTIVITIES

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

- Continuance of monthly O&M and quarterly system sampling.
- The next annual groundwater sampling is scheduled to be completed in October 2024.

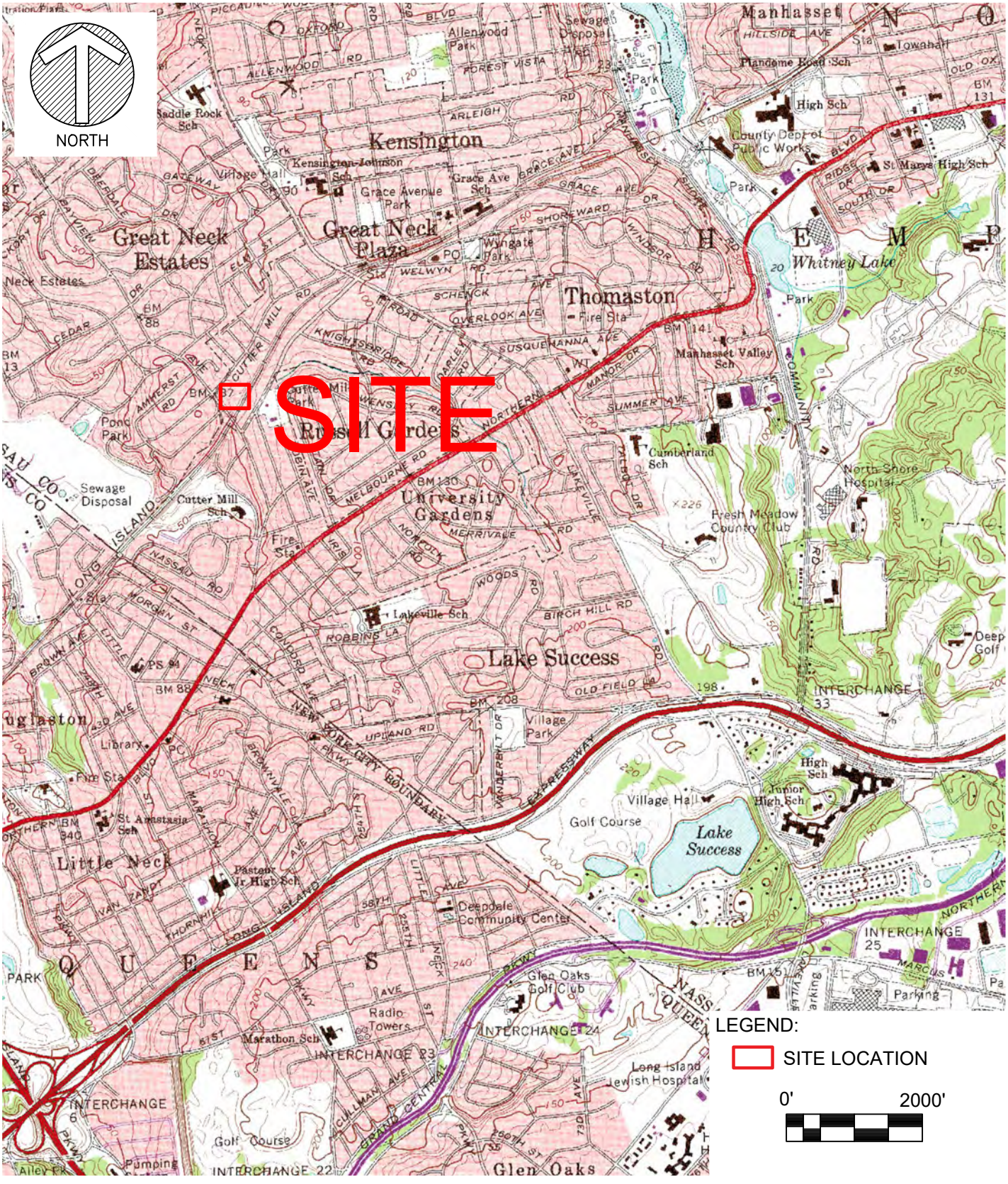
7.0 PROGRESS TOWARD CLEANUP OBJECTIVES

Based on review of O&M field notes and laboratory analysis of SVE-Influent samples analyzed by the laboratory, the SVE system removed approximately 2.67 lb of VOCs consisting primarily of PCE. The total cost of system O&M during this quarter was $15,610 (Tasks 3 through 6 of the WA). A cost per pound of vapor phase VOC removal is provided below.

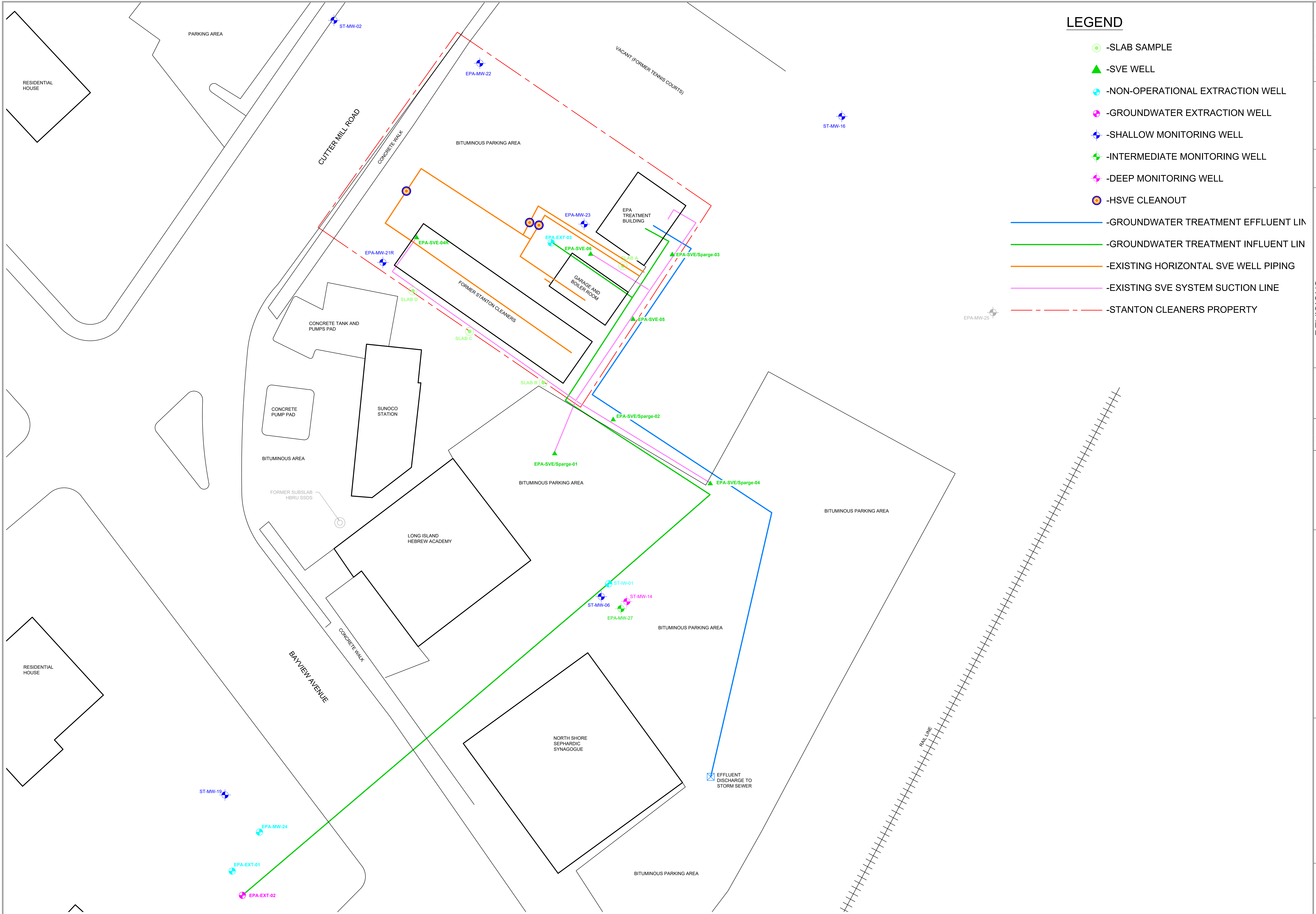
Quarterly Cost Summary					
Period	**Quarterly O&M Cost**	**VOC Mass Removed by SVE (lb)**	**VOC Mass Removed by GWE&T (lb)**	**Total VOC Mass Removed (lb)**	**Cost per Pound of VOC Removal**
1/1/2024 through 3/31/2024	$15,610	2.67	NA	2.67	$5,846

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 the second quarter of 2024 to maximize mass recovery.

FIGURES



HRP MOVE YOUR ENVIRONMENT FORWARD	**SITE LOCATION MAP**	1" = 2000' SCALE:	FIGURE **1**
	STANTON CLEANERS 110 CUTTER MILL ROAD GREAT NECK, NEW YORK 11021	05/13/2020 ISSUE DATE: DEC1003.OM PROJECT NUMBER:	



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REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED: DR	SCALE: AS NOTED
DRAWN: BOB/ASB	ISSUE DATE: 04/04/2022
REVIEWED: DR	PROJECT NUMBER: DEC1003.OM
APPROVED: DJF	SHEET SIZE: 24"x36"

P.E. SEAL

STANTON CLEANERS
110 CUTTER MILL ROAD
VILLAGE OF GREAT NECK PLAZA
NEW YORK

SITE PLAN

SHEET NO.
FIG. 2

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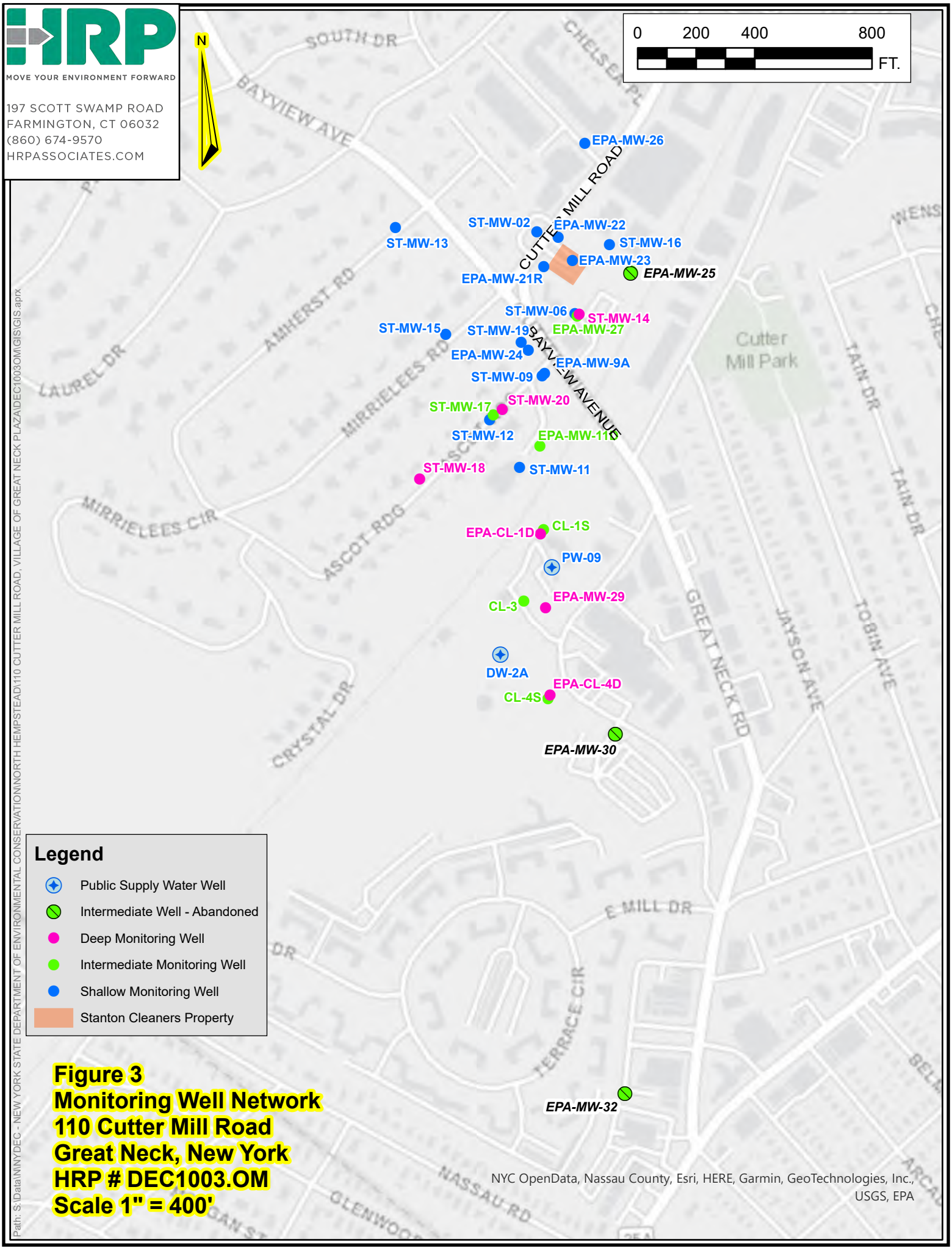

Legend

- 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'

NYC OpenData, Nassau County, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA

Path: S:\Data\NNYDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\NORTH HEMPSTEAD\110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA\DEC1003OM\GIS\GIS.aprx

TABLES

Table 1: Soil Vapor Extraction System - Analytical Results
Stanton Cleaners - NYSDEC Site #130072
110 Cutter Mill Road, Great Neck, NY

	ID:	SVE-EFF	SVE-INF
	Date Collected:	01/26/2024	01/26/2024
	Lab Report No:	24A2695	24A2695
	Sample Type:	N	N
Parameter	Units		
Gasses			
1,1-Dichloroethene	ug/m3	< 0.400	**0.450**
1,2,4-Trimethylbenzene	ug/m3	**0.590**	**0.790**
1,2-Dichloropropane	ug/m3	**0.850**	**0.670**
1,4-Dichlorobenzene	ug/m3	**0.630**	< 0.600
2-Butanone (MEK)	ug/m3	< 12.0	**16.0**
Acetone	ug/m3	**13.0**	**21.0**
Benzene	ug/m3	**0.570**	**1.00**
Carbon tetrachloride	ug/m3	< 0.630	**0.630**
Chloroform	ug/m3	**1.20**	**1.60**
Chloromethane	ug/m3	**0.680**	**1.10**
cis-1,2-Dichloroethene	ug/m3	< 0.400	**140**
Dichlorodifluoromethane	ug/m3	**1.00**	**2.80**
Ethanol	ug/m3	**130**	**180**
Ethylbenzene	ug/m3	**0.510**	**0.700**
Heptane	ug/m3	< 0.410	**0.550**
Isopropyl Alcohol	ug/m3	**11.0**	**12.0**
m,p-Xylene	ug/m3	**1.60**	**2.00**
Methyltertbutyl ether	ug/m3	**0.750**	< 0.360
o-Xylene	ug/m3	**0.620**	**0.790**
Tetrachloroethene	ug/m3	**1.00**	**42.0**
Tetrahydrofuran	ug/m3	**4.70**	**21.0**
Toluene	ug/m3	**7.00**	**7.50**
trans-1,2-Dichloroethene	ug/m3	< 0.400	**2.30**
Trichloroethene	ug/m3	< 0.540	**40.0**
Trichlorofluoromethane	ug/m3	< 2.20	< 2.20

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
D = Reported result is a diluted result
E = Reported result is estimated; value reported over verified calibration range
J = Value is estimated
NYSDOH = New York Department of Health
NP = not promulgated/ no applicable action level
U = Reported result is non-detected at the reporting limit
ug/m3 = micrograms per cubic meter

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^3)	TCE Concentration (mg/m^3)	cis-1,2-DCE Concentration (mg/m^3)	Flowrate (cfm)	Ave. PCE Concentration (mg/m^3)	PCE Discharge (lbs)	Ave. TCE Concentration (mg/m^3)	TCE Discharge (lbs)	cis-1,2-DCE Concentration (mg/m^3)	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
5/26/2023	100	7.10	0.200	0.150	15.60	6.50	0.91	0.19	0.03	0.20	0.00	66.02
8/29/2023	95	18.00	0.370	0.220	21.01	12.55	2.25	0.29	0.05	0.19	0.00	68.33
10/26/2023	58	29.00	0.470	0.270	22.25	23.50	2.73	0.42	0.05	0.25	0.00	71.10
1/26/2024	92	0.04	0.040	0.140	21.81	14.52	2.62	0.26	0.05	0.21	0.00	73.77

Notes:
PCE = Tetrachloroethylene
TCE = Trichloroethylene
Cis-1,2-DCE = cis-1,2-dichloroethylene
cfm = cubic feet per minute
ave. = average
lbs = pounds
mg/m^3 = milligrams per cubic meter
SVE system was shut down between 12/24/20 and 3/18/21
SVE system was shut down between 11/04/22 and 11/29/22 for carbon replacement
SVE system was shut down between 10/3/23 and 10/26/23 due to a broken SVE discharge line

Table 3: Well Monitoring Schedule

Stanton Cleaners Area Superfund Site

110 Cutter Mill Road, Great Neck, NY

Well ID	Groundwater Gauging (15 month cycle)	Groundwater Sampling (15 month cycle)
EPA-MW-9A	x	x
EPA-MW-11D	x	x
EPA-MW-21R	x	x
EPA-MW-23	x	x
EPA-MW-26	x	x
EPA-MW-27	x	x
ST-MW-11	x	x
ST-MW-12	x	x
ST-MW-13	x	x
ST-MW-14	x	x
ST-MW-15	x	x
ST-MW-16	x	x
ST-MW-17	x	x
ST-MW-18	x	x
ST-MW-19	x	x
ST-MW-20	x	x

Notes:

Groundwater sampling schedule changed to a 15 month cycle starting July 2023

Table 4: Long Island Hebrew Academy Indoor Air Sampling - Analytical Results
Stanton Cleaners - NYSDEC Site # 130072
110 Cutter Mill Road, Great Neck, NY

ID:		NYSDOH Air Guidance Values	NYSDOH Immediate Action Levels	LIHA-IA1 dup	LIHA-IA1	LIHA-IA2	LIHA-IA3	LIHA-OA1
Date Collected:				01/26/2024	01/26/2024	01/26/2024	01/26/2024	01/26/2024
Lab Report No:				24A2751	24A2751	24A2751	24A2751	24A2751
Sample Type:				FD	N	N	N	N
Parameter	Units							
Gasses								
1,2,4-Trimethylbenzene	ug/m3			**0.70 D**	**0.69 D**	**0.58 D**	**0.68 D**	**0.51 D**
1,3,5-trimethyl-benzene	ug/m3			**0.18 D**	< 0.17	< 0.17	**0.19 D**	< 0.17
1,4-Dichlorobenzene	ug/m3			< 0.21	< 0.21	< 0.21	**0.22 D**	< 0.21
2-Hexanone (Methyl butyl ketone/MBK)	ug/m3			**0.40 D**	< 0.14	**0.45 D**	**0.46 D**	< 0.14
Acetone	ug/m3			**24 D**	**23 D**	**25 D**	**21 D**	**16 D**
Benzene	ug/m3			**1.3 D**	**1.3 D**	**1.1 D**	< 0.11	**1.2 D**
Carbon tetrachloride	ug/m3			**0.50 D**	**0.49 D**	**0.42 D**	**0.47 D**	**0.44 D**
Chloroethane	ug/m3			< 0.092	< 0.092	< 0.092	< 0.092	**0.099 D**
Chloroform	ug/m3			**0.17 D**	< 0.17	**0.21 D**	**0.25 D**	< 0.17
Chloromethane	ug/m3			**1.2 D**	**1.1 D**	**1.0 D**	**1.2 D**	**1.1 D**
Cyclohexane	ug/m3			**0.34 D**	**0.36 D**	**0.35 D**	**0.38 D**	**0.35 D**
Dichlorodifluoromethane	ug/m3			**2.8 D**	**2.6 D**	**2.5 D**	**3.1 D**	**2.5 D**
Ethanol	ug/m3			**260 DE**	**250 DE**	**230 DE**	**310 DE**	**53 D**
Ethyl Acetate	ug/m3			**2.2 D**	< 1.3	< 1.3	**2.1 D**	< 1.3
Ethylbenzene	ug/m3			**0.55 D**	**0.51 D**	**0.46 D**	**0.52 D**	**0.49 D**
Heptane	ug/m3			**1.0 D**	**1.1 D**	**1.0 D**	**6.3 D**	**1.1 D**
Isopropyl Alcohol	ug/m3			**6.0 D**	**5.8 D**	**5.7 D**	**9.0 D**	**3.7 D**
m,p-Xylene	ug/m3			**1.6 D**	**1.5 D**	**1.3 D**	**1.4 D**	**1.4 D**
Methyl isobutyl ketone (MIBK)	ug/m3			< 0.14	**0.31 D**	< 0.14	< 0.14	< 0.14
Methylene chloride	ug/m3	60		< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Naphthalene	ug/m3			**0.24 D**	**0.24 D**	< 0.18	< 0.18	< 0.18
o-Xylene	ug/m3			**0.64 D**	**0.62 D**	**0.58 D**	**0.58 D**	**0.52 D**
Styrene	ug/m3			**1.9 D**	**1.8 D**	**0.87 D**	**0.73 D**	< 0.15
Tetrachloroethene	ug/m3	30	300	**1.1 D**	**1.2 D**	**1.0 D**	**1.3 D**	**0.34 D**
Tetrahydrofuran	ug/m3			**1.5 D**	**1.6 D**	**1.1 D**	< 1	**1.7 D**
Toluene	ug/m3			**3.2 D**	**3.1 D**	**2.8 D**	**3.2 D**	**4.0 D**
Trichloroethene	ug/m3	2	20	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Trichlorofluoromethane	ug/m3			**1.3 D**	**1.4 D**	**1.3 D**	**1.3 D**	**1.3 D**
Vinyl acetate	ug/m3			**2.9 D**	**2.7 D**	**4.3 D**	**3.7 D**	**2.6 D**

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NY DOH Soil Vapor Guidance
1	Parameter reported at a concentrations greater than NY DOH Soil Vapor Immediate Guidance
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory

Notes:
D = Reported result is a diluted result
E = Reported result is estimated; value reported over verified calibration range
J = Value is estimated
NYSDOH = New York Department of Health
NP = not promulgated/ no applicable action level
U = Reported result is non-detected at the reporting limit
ug/m3 = micrograms per cubic meter

APPENDIX A

Daily Operations and Maintenance Reports

DAILY INSPECTION REPORT

Report No. **(Site Name) - NYSDEC Site No. 130072** Date: 01/26/24

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D011107

Superintendent:

NYSDEC PM: P. Long

Consultant PM: D. Roy

Consultant Site Inspectors: Adam, Gandarillas

Site Location: Great Neck, New York

Weather Conditions				
General Description	Sunny	AM		PM
Temperature	43	AM		PM
Wind	E	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	6:30am	Departed Site:	**8:00am**

Start SVE System 6:40am. Conduct monthly O&M monitoring/safety inspections. Move empty drums and two well vaults from north side of building to inside storage shed.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
David Adam	HRP	Technician	1.50
Keith Gandarillas	HRP	Technician	1.50

Equipment Description	Contractor/Vendor	Quantity	Used
Mini Rae PID	HRP	1	1
TSI 9535 Anemometer	HRP	1	1
Mini Rae 4 gas meter	HRP	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

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

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not 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. • If it is 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

DAILY INSPECTION REPORT

Report No. **(Site Name) - NYSDEC Site No. 130072** Date: 02/29/24

NYSDEC Division of Environmental Remediation	**NYSDEC Contract No. D011107** Superintendent: NYSDEC PM: P. Long Consultant PM: D. Roy Consultant Site Inspectors: Adam
Site Location: Great Neck, New York	

Weather Conditions

General Description	Partly Cloudy	AM		PM
Temperature	29	AM		PM
Wind	WNW	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	6:30am	Departed Site:	**8:00am**

Conduct monthly O&M monitoring/safety inspections.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
David Adam	HRP	Technician	1.50

Equipment Description	Contractor/Vendor	Quantity	Used
Mini Rae PID	HRP	1	1
TSI 9535 Anemometer	HRP	1	1
Mini Rae 4 gas meter	HRP	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

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

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not 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. • If it is 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

Report No. (Site Name) - NYSDEC Site No. 130072 Date: 03/15/24

NYSDEC Division of Environmental Remediation				NYSDEC Contract No. D011107 Superintendent: NYSDEC PM: P. Long Consultant PM: D. Roy Consultant Site Inspectors: Adam
Site Location: West Islip, New York				
Weather Conditions				
General Description	Cloudy	AM		PM
Temperature	52	AM		PM
Wind	NE	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	6:10am	Departed Site:	**1:00pm**

Conduct monthly O&M. Meeting with DEC and EPA.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
David Adam	HRP	Technician	7.0

Equipment Description	Contractor/Vendor	Quantity	Used
Mini Rae PID	HRP	1	1
TSI 9535 Anemometer	HRP	1	1
Mini Rae 4 gas meter	HRP	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

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

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☒	No ☐
If Yes to <u>any</u> of 1-4 above: • 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. • 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

APPENDIX B

SVE System Operations and Maintenance Reports

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

Date: 1-26-24

HRP #:

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		0.0	0	20.9	0	0.0	48.8	18	34.2	34.1	21.81
Post-Blower Pre-Carbon*	5.706		1.0	0	20.9	0	0.0	46	0.530	68.7	37.5	95.88
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	~	~	~	~	15	~	~	~
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0.0	41.1	9.0	65.5	32.9	101.3
hSVE-1			0.5	0	20.9	0	0.0	43.4	16	62.5	32.9	2.72
hSVE-2			5.5	0	20.9	0	0.0	45	16	60.1	32.9	31.65
Background	N/A		0.0	0	20.9	0	0.0	43		95		

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	closed	closed
SVE-2 combined	open	Open
SVE-3 A	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 Effluent
27" at SVE blower
44Hz
bleed slightly open
System off upon arrival
Start system at 6:40A
Sample Effluent at 7:17A
Sample influent at 7:26A

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"

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

Date: 2-29-2024
HRP #: PBC 100901

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		0.0	0	20.9	0	0.0	46.6	14.5	46.6	18.4	23.23
Post-Blower Pre-Carbon*	5.706		0.3	0	20.9	0	0.0	37.8	0.577	45.5	13.9	78.60
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	—	—	—	13.0	—	—	—
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0.0	32.4	8.0	44.3	13.3	104.50
hSVE-1			0.0	0	20.9	0	0.0	36.2	13.0	44	16.1	5.44
hSVE-2			1.7	0	20.9	0	0.0	33.6	13.5	45	15.4	54.13
Background	N/A		0.0	0	20.9	0	0.0	29.0	—	56	16	—

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	closed	closed
SVE-2 Combined	open	open
SVE-3 A	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

0.0ppm Effluent
27" at blower
44 Hz
bleed slightly open
System ON 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"

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

Date: 3-15-24
HRP #: DEC 10030M

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		0.0	0	20.9	0	0	62.8	15	56.4	43.7	20.68
Post-Blower Pre-Carbon*	5.706		0.3	0	20.9	0	0	65.1	0.524	56.3	43.0	95.30
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				13.0			
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0	58.3	10.0	55.4	42.0	98.70
hSVE-1			0.0	0	20.9	0	0	58.9	12.5	55.6	41.8	4.11
hSVE-2			0.0	0	20.9	0	0	58.7	13.0	56.7	41.6	25.39
Background	N/A		0.0	0	20.9	0	0	52	—	78	—	—

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	Closed	Closed
SVE-2	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 Effluent
27" at SVE blower
44 Hz
bleed slightly open
System on upon arrival

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"

APPENDIX C
Laboratory Analytical Reports

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

February 6, 2024

Derek Roy
HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032

Project Location: 110 Cattern Rd, Great Neck, NY
Client Job Number:
Project Number: DEC1003.OM
Laboratory Work Order Number: 24A2695

Enclosed are results of analyses for samples as received by the laboratory on January 29, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager

Table of Contents

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

HRP Associates, Inc. (Private)
197 Scott Swamp Road
Farmington, CT 06032
ATTN: Derek Roy

REPORT DATE: 2/6/2024

PURCHASE ORDER NUMBER: S-CT-01131

PROJECT NUMBER: DEC1003.OM

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24A2695

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 Cattern Rd, Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE INF	24A2695-01	Air		EPA TO-15	
SVE EFF	24A2695-02	Air		EPA TO-15	

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

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:

24A2695-01[SVE INF], 24A2695-02[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:

Ethanol
24A2695-01[SVE INF], 24A2695-02[SVE EFF], B365108-BS1

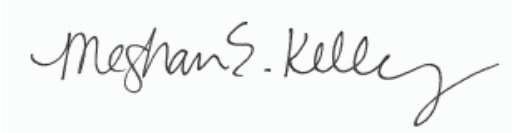
V-06

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

Analyte & Samples(s) Qualified:

Vinyl Acetate
B365108-BS1, S100032-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

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ANALYTICAL RESULTS

Project Location: 110 Cattern Rd, Great Neck, NY
Date Received: 1/29/2024
Field Sample #: SVE INF
Sample ID: 24A2695-01
Sample Matrix: Air
Sampled: 1/26/2024 07:26

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

Work Order: 24A2695
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 Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	8.8	4.0		21	9.5	2	1/31/24 21:40	CMR
Benzene	0.32	0.10		1.0	0.32	2	1/31/24 21:40	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	1/31/24 21:40	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	1/31/24 21:40	CMR
Bromoform	ND	0.10		ND	1.0	2	1/31/24 21:40	CMR
Bromomethane	ND	0.10		ND	0.39	2	1/31/24 21:40	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	1/31/24 21:40	CMR
2-Butanone (MEK)	5.3	4.0		16	12	2	1/31/24 21:40	CMR
Carbon Disulfide	ND	1.0		ND	3.1	2	1/31/24 21:40	CMR
Carbon Tetrachloride	0.10	0.10		0.63	0.63	2	1/31/24 21:40	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	1/31/24 21:40	CMR
Chloroethane	ND	0.10		ND	0.26	2	1/31/24 21:40	CMR
Chloroform	0.33	0.10		1.6	0.49	2	1/31/24 21:40	CMR
Chloromethane	0.55	0.20		1.1	0.41	2	1/31/24 21:40	CMR
Cyclohexane	ND	0.10		ND	0.34	2	1/31/24 21:40	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	1/31/24 21:40	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	1/31/24 21:40	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	1/31/24 21:40	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	1/31/24 21:40	CMR
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	1/31/24 21:40	CMR
Dichlorodifluoromethane (Freon 12)	0.56	0.10		2.8	0.49	2	1/31/24 21:40	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	1/31/24 21:40	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	1/31/24 21:40	CMR
1,1-Dichloroethylene	0.11	0.10		0.45	0.40	2	1/31/24 21:40	CMR
cis-1,2-Dichloroethylene	36	0.10		140	0.40	2	1/31/24 21:40	CMR
trans-1,2-Dichloroethylene	0.59	0.10		2.3	0.40	2	1/31/24 21:40	CMR
1,2-Dichloropropane	0.14	0.10		0.67	0.46	2	1/31/24 21:40	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	1/31/24 21:40	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	1/31/24 21:40	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	1/31/24 21:40	CMR
1,4-Dioxane	ND	1.0		ND	3.6	2	1/31/24 21:40	CMR
Ethanol	94	4.0	L-05	180	7.5	2	1/31/24 21:40	CMR
Ethyl Acetate	ND	1.0		ND	3.6	2	1/31/24 21:40	CMR
Ethylbenzene	0.16	0.10		0.70	0.43	2	1/31/24 21:40	CMR
4-Ethyltoluene	ND	0.10		ND	0.49	2	1/31/24 21:40	CMR
Heptane	0.13	0.10		0.55	0.41	2	1/31/24 21:40	CMR
Hexachlorobutadiene	ND	0.10		ND	1.1	2	1/31/24 21:40	CMR

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ANALYTICAL RESULTS

Project Location: 110 Cattern Rd, Great Neck, NY
Date Received: 1/29/2024
Field Sample #: SVE INF
Sample ID: 24A2695-01
Sample Matrix: Air
Sampled: 1/26/2024 07:26

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

Work Order: 24A2695
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 Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	4.0		ND	14	2	1/31/24 21:40	CMR
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	1/31/24 21:40	CMR
Isopropanol	4.9	4.0		12	9.8	2	1/31/24 21:40	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	1/31/24 21:40	CMR
Methylene Chloride	ND	1.0		ND	3.5	2	1/31/24 21:40	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	1/31/24 21:40	CMR
Naphthalene	ND	0.10		ND	0.52	2	1/31/24 21:40	CMR
Propene	ND	4.0		ND	6.9	2	1/31/24 21:40	CMR
Styrene	ND	0.10		ND	0.43	2	1/31/24 21:40	CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	1/31/24 21:40	CMR
Tetrachloroethylene	6.2	0.10		42	0.68	2	1/31/24 21:40	CMR
Tetrahydrofuran	7.1	1.0		21	2.9	2	1/31/24 21:40	CMR
Toluene	2.0	0.10		7.5	0.38	2	1/31/24 21:40	CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	1/31/24 21:40	CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	1/31/24 21:40	CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	1/31/24 21:40	CMR
Trichloroethylene	7.5	0.10		40	0.54	2	1/31/24 21:40	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	1/31/24 21:40	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	1/31/24 21:40	CMR
1,2,4-Trimethylbenzene	0.16	0.10		0.79	0.49	2	1/31/24 21:40	CMR
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	1/31/24 21:40	CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	1/31/24 21:40	CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	1/31/24 21:40	CMR
m&p-Xylene	0.47	0.20		2.0	0.87	2	1/31/24 21:40	CMR
o-Xylene	0.18	0.10		0.79	0.43	2	1/31/24 21:40	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	1/31/24 21:40

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ANALYTICAL RESULTS

Project Location: 110 Cattern Rd, Great Neck, NY
Date Received: 1/29/2024
Field Sample #: SVE EFF
Sample ID: 24A2695-02
Sample Matrix: Air
Sampled: 1/26/2024 07:17

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

Work Order: 24A2695
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 Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	5.4	4.0		13	9.5	2	1/31/24 22:07	CMR
Benzene	0.18	0.10		0.57	0.32	2	1/31/24 22:07	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	1/31/24 22:07	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	1/31/24 22:07	CMR
Bromoform	ND	0.10		ND	1.0	2	1/31/24 22:07	CMR
Bromomethane	ND	0.10		ND	0.39	2	1/31/24 22:07	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	1/31/24 22:07	CMR
2-Butanone (MEK)	ND	4.0		ND	12	2	1/31/24 22:07	CMR
Carbon Disulfide	ND	1.0		ND	3.1	2	1/31/24 22:07	CMR
Carbon Tetrachloride	ND	0.10		ND	0.63	2	1/31/24 22:07	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	1/31/24 22:07	CMR
Chloroethane	ND	0.10		ND	0.26	2	1/31/24 22:07	CMR
Chloroform	0.24	0.10		1.2	0.49	2	1/31/24 22:07	CMR
Chloromethane	0.33	0.20		0.68	0.41	2	1/31/24 22:07	CMR
Cyclohexane	ND	0.10		ND	0.34	2	1/31/24 22:07	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	1/31/24 22:07	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	1/31/24 22:07	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	1/31/24 22:07	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	1/31/24 22:07	CMR
1,4-Dichlorobenzene	0.10	0.10		0.63	0.60	2	1/31/24 22:07	CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.10		1.0	0.49	2	1/31/24 22:07	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	1/31/24 22:07	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	1/31/24 22:07	CMR
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	1/31/24 22:07	CMR
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	1/31/24 22:07	CMR
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	1/31/24 22:07	CMR
1,2-Dichloropropane	0.18	0.10		0.85	0.46	2	1/31/24 22:07	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	1/31/24 22:07	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	1/31/24 22:07	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	1/31/24 22:07	CMR
1,4-Dioxane	ND	1.0		ND	3.6	2	1/31/24 22:07	CMR
Ethanol	67	4.0	L-05	130	7.5	2	1/31/24 22:07	CMR
Ethyl Acetate	ND	1.0		ND	3.6	2	1/31/24 22:07	CMR
Ethylbenzene	0.12	0.10		0.51	0.43	2	1/31/24 22:07	CMR
4-Ethyltoluene	ND	0.10		ND	0.49	2	1/31/24 22:07	CMR
Heptane	ND	0.10		ND	0.41	2	1/31/24 22:07	CMR
Hexachlorobutadiene	ND	0.10		ND	1.1	2	1/31/24 22:07	CMR

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ANALYTICAL RESULTS

Project Location: 110 Cattern Rd, Great Neck, NY
Date Received: 1/29/2024
Field Sample #: SVE EFF
Sample ID: 24A2695-02
Sample Matrix: Air
Sampled: 1/26/2024 07:17

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

Work Order: 24A2695
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 Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	4.0		ND	14	2	1/31/24 22:07	CMR
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	1/31/24 22:07	CMR
Isopropanol	4.4	4.0		11	9.8	2	1/31/24 22:07	CMR
Methyl tert-Butyl Ether (MTBE)	0.21	0.10		0.75	0.36	2	1/31/24 22:07	CMR
Methylene Chloride	ND	1.0		ND	3.5	2	1/31/24 22:07	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	1/31/24 22:07	CMR
Naphthalene	ND	0.10		ND	0.52	2	1/31/24 22:07	CMR
Propene	ND	4.0		ND	6.9	2	1/31/24 22:07	CMR
Styrene	ND	0.10		ND	0.43	2	1/31/24 22:07	CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	1/31/24 22:07	CMR
Tetrachloroethylene	0.15	0.10		1.0	0.68	2	1/31/24 22:07	CMR
Tetrahydrofuran	1.6	1.0		4.7	2.9	2	1/31/24 22:07	CMR
Toluene	1.9	0.10		7.0	0.38	2	1/31/24 22:07	CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	1/31/24 22:07	CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	1/31/24 22:07	CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	1/31/24 22:07	CMR
Trichloroethylene	ND	0.10		ND	0.54	2	1/31/24 22:07	CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	1/31/24 22:07	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	1/31/24 22:07	CMR
1,2,4-Trimethylbenzene	0.12	0.10		0.59	0.49	2	1/31/24 22:07	CMR
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	1/31/24 22:07	CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	1/31/24 22:07	CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	1/31/24 22:07	CMR
m&p-Xylene	0.36	0.20		1.6	0.87	2	1/31/24 22:07	CMR
o-Xylene	0.14	0.10		0.62	0.43	2	1/31/24 22:07	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.2	70-130	1/31/24 22:07

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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
24A2695-01 [SVE INF]	B365108	1	1	N/A	1000	200	100	01/31/24
24A2695-02 [SVE EFF]	B365108	1	1	N/A	1000	200	100	01/31/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B365108 - TO-15 Prep											
Blank (B365108-BLK1)					Prepared & Analyzed: 01/31/24						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B365108 - TO-15 Prep											
Blank (B365108-BLK1)					Prepared & Analyzed: 01/31/24						
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*7.23*				*8.00*		*90.4*	*70-130*			
LCS (B365108-BS1)					Prepared & Analyzed: 01/31/24						
Acetone	5.11				5.00		102	70-130			
Benzene	5.25				5.00		105	70-130			
Benzyl chloride	5.40				5.00		108	70-130			
Bromodichloromethane	5.36				5.00		107	70-130			
Bromoform	5.22				5.00		104	70-130			
Bromomethane	5.55				5.00		111	70-130			
1,3-Butadiene	5.20				5.00		104	70-130			
2-Butanone (MEK)	4.75				5.00		95.1	70-130			
Carbon Disulfide	5.74				5.00		115	70-130			
Carbon Tetrachloride	4.31				5.00		86.1	70-130			
Chlorobenzene	5.18				5.00		104	70-130			
Chloroethane	5.12				5.00		102	70-130			
Chloroform	5.53				5.00		111	70-130			
Chloromethane	5.04				5.00		101	70-130			
Cyclohexane	5.02				5.00		100	70-130			
Dibromochloromethane	5.24				5.00		105	70-130			
1,2-Dibromoethane (EDB)	5.11				5.00		102	70-130			
1,2-Dichlorobenzene	5.18				5.00		104	70-130			
1,3-Dichlorobenzene	5.75				5.00		115	70-130			
1,4-Dichlorobenzene	5.67				5.00		113	70-130			
Dichlorodifluoromethane (Freon 12)	5.57				5.00		111	70-130			
1,1-Dichloroethane	5.36				5.00		107	70-130			
1,2-Dichloroethane	5.35				5.00		107	70-130			
1,1-Dichloroethylene	5.66				5.00		113	70-130			
cis-1,2-Dichloroethylene	5.12				5.00		102	70-130			
trans-1,2-Dichloroethylene	5.41				5.00		108	70-130			
1,2-Dichloropropane	5.41				5.00		108	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B365108 - TO-15 Prep												
LCS (B365108-BS1)					Prepared & Analyzed: 01/31/24							
cis-1,3-Dichloropropene	5.26				5.00		105		70-130			
trans-1,3-Dichloropropene	5.40				5.00		108		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.25				5.00		105		70-130			
1,4-Dioxane	5.30				5.00		106		70-130			
Ethanol	6.77				5.00		**135**	*	70-130			L-05
Ethyl Acetate	4.49				5.00		89.8		70-130			
Ethylbenzene	5.43				5.00		109		70-130			
4-Ethyltoluene	5.47				5.00		109		70-130			
Heptane	5.26				5.00		105		70-130			
Hexachlorobutadiene	4.57				4.25		108		70-130			
Hexane	5.19				5.00		104		70-130			
2-Hexanone (MBK)	5.48				5.00		110		70-130			
Isopropanol	5.12				5.00		102		70-130			
Methyl tert-Butyl Ether (MTBE)	5.26				5.00		105		70-130			
Methylene Chloride	5.17				5.00		103		70-130			
4-Methyl-2-pentanone (MIBK)	5.31				5.00		106		70-130			
Naphthalene	4.55				3.68		124		70-130			
Propene	4.57				5.00		91.4		70-130			
Styrene	5.25				5.00		105		70-130			
1,1,2,2-Tetrachloroethane	5.81				5.00		116		70-130			
Tetrachloroethylene	4.98				5.00		99.6		70-130			
Tetrahydrofuran	3.84				5.00		76.8		70-130			
Toluene	5.27				5.00		105		70-130			
1,2,4-Trichlorobenzene	4.46				3.90		114		70-130			
1,1,1-Trichloroethane	5.12				5.00		102		70-130			
1,1,2-Trichloroethane	5.78				5.00		116		70-130			
Trichloroethylene	5.14				5.00		103		70-130			
Trichlorofluoromethane (Freon 11)	5.48				5.00		110		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.40				5.00		108		70-130			
1,2,4-Trimethylbenzene	5.24				5.00		105		70-130			
1,3,5-Trimethylbenzene	5.44				5.00		109		70-130			
Vinyl Acetate	6.15				5.00		123		70-130			V-06
Vinyl Chloride	5.60				5.00		112		70-130			
m&p-Xylene	11.3				10.0		113		70-130			
o-Xylene	5.46				5.00		109		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.81*				*8.00*		*97.7*		*70-130*			

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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
Initial Cal Check (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	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
Calibration Check (S100032-CCV1)			Lab File ID: L24A031004.D			Analyzed: 01/31/24 13:05			
Bromochloromethane (1)	256425	2.864				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	719561	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	642108	5.196				60 - 140		+/-0.50	
LCS (B365108-BS1)			Lab File ID: L24A031005.D			Analyzed: 01/31/24 13:31			
Bromochloromethane (1)	254965	2.864	256425	2.864	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	710724	3.538	719561	3.538	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	638601	5.196	642108	5.196	99	60 - 140	0.0000	+/-0.50	
Blank (B365108-BLK1)			Lab File ID: L24A031008.D			Analyzed: 01/31/24 15:04			
Bromochloromethane (1)	252865	2.864	256425	2.864	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	650445	3.537	719561	3.538	90	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	600881	5.194	642108	5.196	94	60 - 140	-0.0020	+/-0.50	
SVE INF (24A2695-01)			Lab File ID: L24A031021.D			Analyzed: 01/31/24 21:40			
Bromochloromethane (1)	248345	2.864	256425	2.864	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	702144	3.538	719561	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	642145	5.195	642108	5.196	100	60 - 140	-0.0010	+/-0.50	
SVE EFF (24A2695-02)			Lab File ID: L24A031022.D			Analyzed: 01/31/24 22:07			
Bromochloromethane (1)	252287	2.87	256425	2.864	98	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	703059	3.538	719561	3.538	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	636746	5.196	642108	5.196	99	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S100032-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.90	1.122255	1.100754		-1.9	30
Benzene	A	5.00	5.23	0.7254293	0.7585803		4.6	30
Benzyl chloride	A	5.00	5.28	0.65192	0.6880861		5.5	30
Bromodichloromethane	A	5.00	5.43	0.5567047	0.60506		8.7	30
Bromoform	A	5.00	4.98	0.4926101	0.4908109		-0.4	30
Bromomethane	A	5.00	5.60	0.6308676	0.706134		11.9	30
1,3-Butadiene	A	5.00	5.25	0.551149	0.5791573		5.1	30
2-Butanone (MEK)	A	5.00	4.58	1.381604	1.264601		-8.5	30
Carbon Disulfide	A	5.00	5.58	2.063757	2.300949		11.5	30
Carbon Tetrachloride	A	5.00	4.68	0.5110368	0.4786563		-6.3	30
Chlorobenzene	A	5.00	5.34	0.7219812	0.7703252		6.7	30
Chloroethane	A	5.00	5.05	0.411751	0.4156849		1.0	30
Chloroform	A	5.00	5.48	1.439332	1.577288		9.6	30
Chloromethane	A	5.00	5.11	0.6101459	0.623908		2.3	30
Cyclohexane	A	5.00	4.90	0.3030286	0.2968677		-2.0	30
Dibromochloromethane	A	5.00	5.16	0.5644122	0.5823643		3.2	30
1,2-Dibromoethane (EDB)	A	5.00	5.19	0.5076449	0.5268447		3.8	30
1,2-Dichlorobenzene	A	5.00	4.99	0.6234765	0.6220262		-0.2	30
1,3-Dichlorobenzene	A	5.00	5.57	0.6267236	0.6980707		11.4	30
1,4-Dichlorobenzene	A	5.00	5.46	0.5801365	0.6338124		9.3	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.66	1.768079	2.000622		13.2	30
1,1-Dichloroethane	A	5.00	5.34	1.392824	1.488348		6.9	30
1,2-Dichloroethane	A	5.00	5.33	0.9772927	1.04202		6.6	30
1,1-Dichloroethylene	A	5.00	5.60	1.127187	1.262336		12.0	30
cis-1,2-Dichloroethylene	A	5.00	5.11	0.908952	0.9288891		2.2	30
trans-1,2-Dichloroethylene	A	5.00	5.40	1.128232	1.219151		8.1	30
1,2-Dichloropropane	A	5.00	5.37	0.2601948	0.2796038		7.5	30
cis-1,3-Dichloropropene	A	5.00	5.80	0.3962271	0.4597692		16.0	30
trans-1,3-Dichloropropene	A	5.00	5.06	0.3522842	0.356255		1.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.73	1.784687	2.043707		14.5	30
1,4-Dioxane	A	5.00	4.70	0.1742852	0.1636398		-6.1	30
Ethanol	A	5.00	5.10	0.1732414	0.1765319		1.9	30
Ethyl Acetate	A	5.00	4.32	0.2390169	0.206295		-13.7	30
Ethylbenzene	A	5.00	5.53	1.176902	1.301488		10.6	30
4-Ethyltoluene	A	5.00	5.21	1.247069	1.299283		4.2	30
Heptane	A	5.00	5.07	0.2286847	0.2319436		1.4	30
Hexachlorobutadiene	A	5.00	4.58	0.4755616	0.4357273		-8.4	30
Hexane	A	5.00	4.90	0.7442178	0.728865		-2.1	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S100032-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.75	0.5993899	0.6895762		15.0	30
Isopropanol	A	5.00	5.14	1.180699	1.212687		2.7	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.24	2.130891	2.233835		4.8	30
Methylene Chloride	A	5.00	5.22	0.8716214	0.909253		4.3	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.37	0.2414371	0.2594938		7.5	30
Naphthalene	A	5.00	4.34	0.954618	0.8294929		-13.1	30
Propene	A	5.00	4.40	0.4075236	0.358848		-11.9	30
Styrene	A	5.00	5.44	0.6680173	0.7261607		8.7	30
1,1,2,2-Tetrachloroethane	A	5.00	5.90	0.6838293	0.8070169		18.0	30
Tetrachloroethylene	A	5.00	5.10	0.4174566	0.425491		1.9	30
Tetrahydrofuran	A	5.00	4.11	0.9111963	0.7490939		-17.8	30
Toluene	A	5.00	5.29	0.9385805	0.9930541		5.8	30
1,2,4-Trichlorobenzene	A	5.00	4.39	0.3693275	0.3242669		-12.2	30
1,1,1-Trichloroethane	A	5.00	5.32	0.5075792	0.5404851		6.5	30
1,1,2-Trichloroethane	A	5.00	5.82	0.309655	0.3604154		16.4	30
Trichloroethylene	A	5.00	5.18	0.3356598	0.3477031		3.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.46	1.816743	1.985136		9.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.56	1.436582	1.598783		11.3	30
1,2,4-Trimethylbenzene	A	5.00	5.47	1.021302	1.117041		9.4	30
1,3,5-Trimethylbenzene	A	5.00	5.58	1.055296	1.176958		11.5	30
Vinyl Acetate	A	5.00	6.82	1.463541	1.996423		36.4	30 *
Vinyl Chloride	A	5.00	5.54	0.7105757	0.7878358		10.9	30
m&p-Xylene	A	10.0	11.4	0.9711506	1.107622		14.1	30
o-Xylene	A	5.00	5.67	0.9550518	1.082524		13.3	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
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	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

24A2695 TF

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	HRP Associates
Address:	197 Scott Swamp Rd Farmington, CT
Phone:	
Project Name:	NYS site #130072
Project Location:	110 Cuttermill Rd Great Neck, NY
Project Number:	OBC 10030M
Project Manager:	Derek Roy
Pace Quote Name/Number:	
Invoice Recipient:	Bill directly to HRP
Sampled By:	~~Derek Roy~~ KB

Requested Turnaround Time
7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

TO-15 Low Level

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE (Tedlar)
1	SVE INF	1-26-24	7:26A	grab	A						X
2	SVE EFF	"	7:17A	"	"						X

[2] 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 Cooler? Y / N

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

Relinquished by: (signature)		Date/Time: 1/29/24
Received by: (signature)		Date/Time: 1-29-24 0945
Relinquished by: (signature)		Date/Time: 1-29-24 1445
Received by: (signature)	55	Date/Time: 1/29/24 1445
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments: Tedlar bags NYS project site #130072

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

[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)

Lab Comments:

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.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client HRP Associates

Project NYS Site #130072

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location ICP Cutler Rd Great Neck, NY

PWSID# (When Applicable) MA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MSm 12/9/24 1445

Back-Sheet By / Date / Time LA 12/9/24 1458

Temperature Method gun #5

Temp ✓ < 6° C Actual Temperature 5.5

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Group	Size	Sample	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars	(Circle Amb/Clear)	16oz Amb/Clear																				
		8oz Amb/Clear																				
		4oz Amb/Clear																				
		2oz Amb/Clear																				
Ambers	1 Liter	Unpreserved																				
		HCL																				
		Sulfuric																				
	250mL	Sulfuric																				
		Phosphoric																				
		HCl																				
	100mL	Unpreserved																				
Plastics	1 Liter	Unpreserved																				
		Sulfuric																				
	500mL	Unpreserved																				
		Sulfuric																				
	250mL	Unpreserved																				
		Trizma																				
		Sulfuric																				
		Nitric																				
		NaOH																				
		Ammonium Acetate																				
		NaOH/Zinc																				
VOA Vials		Unpreserved																				
		HCl																				
		MeOH																				
		D.I. Water																				
		BiSulfate																				
Other / Fill in		Col/Bact																				
		Tedlar Bags	-	+																		

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February 5, 2024

Payson Long
NYDEC_HRP Associates, Inc. - Farmington, CT
197 Scott Swamp Road
Farmington, CT 06032

Project Location: 122 Cuttermill Rd, Great Neck, NY
Client Job Number:
Project Number: 130072
Laboratory Work Order Number: 24A2751

Enclosed are results of analyses for samples as received by the laboratory on January 29, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

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

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

REPORT DATE: 2/5/2024

PURCHASE ORDER NUMBER: 141716

PROJECT NUMBER: 130072

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24A2751

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

PROJECT LOCATION: 122 Cuttermill Rd, Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
LIHA-IA1	24A2751-01	Indoor air		EPA TO-15	
LIHA-IA1 dup	24A2751-02	Indoor air		EPA TO-15	
LIHA-IA2	24A2751-03	Indoor air		EPA TO-15	
LIHA-IA3	24A2751-04	Indoor air		EPA TO-15	
LIHA-OA1	24A2751-05	Ambient Air		EPA TO-15	
UNUSED	24A2751-06			-	

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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:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Ethanol
24A2751-01[LIHA-IA1], 24A2751-02[LIHA-IA1 dup], 24A2751-03[LIHA-IA2], 24A2751-04[LIHA-IA3]

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.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA1
Sample ID: 24A2751-01
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 1028
Canister Size: 6 liter
Flow Controller ID: 3500
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Acetone	9.8	1.4		23	3.3	0.698	1/30/24 18:54	KMC
Benzene	0.39	0.035		1.3	0.11	0.698	1/30/24 18:54	KMC
Benzyl chloride	ND	0.035		ND	0.18	0.698	1/30/24 18:54	KMC
Bromodichloromethane	ND	0.035		ND	0.23	0.698	1/30/24 18:54	KMC
Bromoform	ND	0.035		ND	0.36	0.698	1/30/24 18:54	KMC
Bromomethane	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
1,3-Butadiene	ND	0.035		ND	0.077	0.698	1/30/24 18:54	KMC
2-Butanone (MEK)	ND	1.4		ND	4.1	0.698	1/30/24 18:54	KMC
Carbon Disulfide	ND	0.35		ND	1.1	0.698	1/30/24 18:54	KMC
Carbon Tetrachloride	0.077	0.035		0.49	0.22	0.698	1/30/24 18:54	KMC
Chlorobenzene	ND	0.035		ND	0.16	0.698	1/30/24 18:54	KMC
Chloroethane	ND	0.035		ND	0.092	0.698	1/30/24 18:54	KMC
Chloroform	ND	0.035		ND	0.17	0.698	1/30/24 18:54	KMC
Chloromethane	0.51	0.070		1.1	0.14	0.698	1/30/24 18:54	KMC
Cyclohexane	0.11	0.035		0.36	0.12	0.698	1/30/24 18:54	KMC
Dibromochloromethane	ND	0.035		ND	0.30	0.698	1/30/24 18:54	KMC
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.698	1/30/24 18:54	KMC
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 18:54	KMC
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 18:54	KMC
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 18:54	KMC
Dichlorodifluoromethane (Freon 12)	0.53	0.035		2.6	0.17	0.698	1/30/24 18:54	KMC
1,1-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
1,2-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
1,2-Dichloropropane	ND	0.035		ND	0.16	0.698	1/30/24 18:54	KMC
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 18:54	KMC
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 18:54	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.24	0.698	1/30/24 18:54	KMC
1,4-Dioxane	ND	0.35		ND	1.3	0.698	1/30/24 18:54	KMC
Ethanol	130	1.4	E	250	2.6	0.698	1/30/24 18:54	KMC
Ethyl Acetate	ND	0.35		ND	1.3	0.698	1/30/24 18:54	KMC
Ethylbenzene	0.12	0.035		0.51	0.15	0.698	1/30/24 18:54	KMC
4-Ethyltoluene	ND	0.035		ND	0.17	0.698	1/30/24 18:54	KMC
Heptane	0.26	0.035		1.1	0.14	0.698	1/30/24 18:54	KMC
Hexachlorobutadiene	ND	0.035		ND	0.37	0.698	1/30/24 18:54	KMC

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA1
Sample ID: 24A2751-01
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 1028
Canister Size: 6 liter
Flow Controller ID: 3500
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.698	1/30/24 18:54	KMC
2-Hexanone (MBK)	ND	0.035		ND	0.14	0.698	1/30/24 18:54	KMC
Isopropanol	2.4	1.4		5.8	3.4	0.698	1/30/24 18:54	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.698	1/30/24 18:54	KMC
Methylene Chloride	ND	0.35		ND	1.2	0.698	1/30/24 18:54	KMC
4-Methyl-2-pentanone (MIBK)	0.077	0.035		0.31	0.14	0.698	1/30/24 18:54	KMC
Naphthalene	0.045	0.035		0.24	0.18	0.698	1/30/24 18:54	KMC
Propene	ND	1.4		ND	2.4	0.698	1/30/24 18:54	KMC
Styrene	0.43	0.035		1.8	0.15	0.698	1/30/24 18:54	KMC
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.698	1/30/24 18:54	KMC
Tetrachloroethylene	0.18	0.035		1.2	0.24	0.698	1/30/24 18:54	KMC
Tetrahydrofuran	0.53	0.35		1.6	1.0	0.698	1/30/24 18:54	KMC
Toluene	0.81	0.035		3.1	0.13	0.698	1/30/24 18:54	KMC
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.698	1/30/24 18:54	KMC
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 18:54	KMC
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 18:54	KMC
Trichloroethylene	ND	0.035		ND	0.19	0.698	1/30/24 18:54	KMC
Trichlorofluoromethane (Freon 11)	0.24	0.14		1.4	0.78	0.698	1/30/24 18:54	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.698	1/30/24 18:54	KMC
1,2,4-Trimethylbenzene	0.14	0.035		0.69	0.17	0.698	1/30/24 18:54	KMC
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.698	1/30/24 18:54	KMC
Vinyl Acetate	0.76	0.70		2.7	2.5	0.698	1/30/24 18:54	KMC
Vinyl Chloride	ND	0.035		ND	0.089	0.698	1/30/24 18:54	KMC
m&p-Xylene	0.34	0.070		1.5	0.30	0.698	1/30/24 18:54	KMC
o-Xylene	0.14	0.035		0.62	0.15	0.698	1/30/24 18:54	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.6	70-130	1/30/24 18:54

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA1 dup
Sample ID: 24A2751-02
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 1839
Canister Size: 6 liter
Flow Controller ID: 3622
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	10	1.4		24	3.3	0.698	1/30/24 19:27	KMC
Benzene	0.40	0.035		1.3	0.11	0.698	1/30/24 19:27	KMC
Benzyl chloride	ND	0.035		ND	0.18	0.698	1/30/24 19:27	KMC
Bromodichloromethane	ND	0.035		ND	0.23	0.698	1/30/24 19:27	KMC
Bromoform	ND	0.035		ND	0.36	0.698	1/30/24 19:27	KMC
Bromomethane	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
1,3-Butadiene	ND	0.035		ND	0.077	0.698	1/30/24 19:27	KMC
2-Butanone (MEK)	ND	1.4		ND	4.1	0.698	1/30/24 19:27	KMC
Carbon Disulfide	ND	0.35		ND	1.1	0.698	1/30/24 19:27	KMC
Carbon Tetrachloride	0.079	0.035		0.50	0.22	0.698	1/30/24 19:27	KMC
Chlorobenzene	ND	0.035		ND	0.16	0.698	1/30/24 19:27	KMC
Chloroethane	ND	0.035		ND	0.092	0.698	1/30/24 19:27	KMC
Chloroform	0.035	0.035		0.17	0.17	0.698	1/30/24 19:27	KMC
Chloromethane	0.58	0.070		1.2	0.14	0.698	1/30/24 19:27	KMC
Cyclohexane	0.098	0.035		0.34	0.12	0.698	1/30/24 19:27	KMC
Dibromochloromethane	ND	0.035		ND	0.30	0.698	1/30/24 19:27	KMC
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.698	1/30/24 19:27	KMC
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 19:27	KMC
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 19:27	KMC
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 19:27	KMC
Dichlorodifluoromethane (Freon 12)	0.57	0.035		2.8	0.17	0.698	1/30/24 19:27	KMC
1,1-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
1,2-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
1,2-Dichloropropane	ND	0.035		ND	0.16	0.698	1/30/24 19:27	KMC
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 19:27	KMC
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 19:27	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.24	0.698	1/30/24 19:27	KMC
1,4-Dioxane	ND	0.35		ND	1.3	0.698	1/30/24 19:27	KMC
Ethanol	140	1.4	E	260	2.6	0.698	1/30/24 19:27	KMC
Ethyl Acetate	0.61	0.35		2.2	1.3	0.698	1/30/24 19:27	KMC
Ethylbenzene	0.13	0.035		0.55	0.15	0.698	1/30/24 19:27	KMC
4-Ethyltoluene	ND	0.035		ND	0.17	0.698	1/30/24 19:27	KMC
Heptane	0.25	0.035		1.0	0.14	0.698	1/30/24 19:27	KMC
Hexachlorobutadiene	ND	0.035		ND	0.37	0.698	1/30/24 19:27	KMC

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA1 dup
Sample ID: 24A2751-02
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 1839
Canister Size: 6 liter
Flow Controller ID: 3622
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.698	1/30/24 19:27	KMC
2-Hexanone (MBK)	0.097	0.035		0.40	0.14	0.698	1/30/24 19:27	KMC
Isopropanol	2.4	1.4		6.0	3.4	0.698	1/30/24 19:27	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.698	1/30/24 19:27	KMC
Methylene Chloride	ND	0.35		ND	1.2	0.698	1/30/24 19:27	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.698	1/30/24 19:27	KMC
Naphthalene	0.046	0.035		0.24	0.18	0.698	1/30/24 19:27	KMC
Propene	ND	1.4		ND	2.4	0.698	1/30/24 19:27	KMC
Styrene	0.44	0.035		1.9	0.15	0.698	1/30/24 19:27	KMC
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.698	1/30/24 19:27	KMC
Tetrachloroethylene	0.16	0.035		1.1	0.24	0.698	1/30/24 19:27	KMC
Tetrahydrofuran	0.50	0.35		1.5	1.0	0.698	1/30/24 19:27	KMC
Toluene	0.84	0.035		3.2	0.13	0.698	1/30/24 19:27	KMC
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.698	1/30/24 19:27	KMC
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 19:27	KMC
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 19:27	KMC
Trichloroethylene	ND	0.035		ND	0.19	0.698	1/30/24 19:27	KMC
Trichlorofluoromethane (Freon 11)	0.23	0.14		1.3	0.78	0.698	1/30/24 19:27	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.698	1/30/24 19:27	KMC
1,2,4-Trimethylbenzene	0.14	0.035		0.70	0.17	0.698	1/30/24 19:27	KMC
1,3,5-Trimethylbenzene	0.036	0.035		0.18	0.17	0.698	1/30/24 19:27	KMC
Vinyl Acetate	0.82	0.70		2.9	2.5	0.698	1/30/24 19:27	KMC
Vinyl Chloride	ND	0.035		ND	0.089	0.698	1/30/24 19:27	KMC
m&p-Xylene	0.36	0.070		1.6	0.30	0.698	1/30/24 19:27	KMC
o-Xylene	0.15	0.035		0.64	0.15	0.698	1/30/24 19:27	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.0	70-130	1/30/24 19:27

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA2
Sample ID: 24A2751-03
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2172
Canister Size: 6 liter
Flow Controller ID: 3424
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	11	1.4		25	3.3	0.698	1/30/24 20:00	KMC
Benzene	0.36	0.035		1.1	0.11	0.698	1/30/24 20:00	KMC
Benzyl chloride	ND	0.035		ND	0.18	0.698	1/30/24 20:00	KMC
Bromodichloromethane	ND	0.035		ND	0.23	0.698	1/30/24 20:00	KMC
Bromoform	ND	0.035		ND	0.36	0.698	1/30/24 20:00	KMC
Bromomethane	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
1,3-Butadiene	ND	0.035		ND	0.077	0.698	1/30/24 20:00	KMC
2-Butanone (MEK)	ND	1.4		ND	4.1	0.698	1/30/24 20:00	KMC
Carbon Disulfide	ND	0.35		ND	1.1	0.698	1/30/24 20:00	KMC
Carbon Tetrachloride	0.067	0.035		0.42	0.22	0.698	1/30/24 20:00	KMC
Chlorobenzene	ND	0.035		ND	0.16	0.698	1/30/24 20:00	KMC
Chloroethane	ND	0.035		ND	0.092	0.698	1/30/24 20:00	KMC
Chloroform	0.043	0.035		0.21	0.17	0.698	1/30/24 20:00	KMC
Chloromethane	0.48	0.070		1.00	0.14	0.698	1/30/24 20:00	KMC
Cyclohexane	0.10	0.035		0.35	0.12	0.698	1/30/24 20:00	KMC
Dibromochloromethane	ND	0.035		ND	0.30	0.698	1/30/24 20:00	KMC
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.698	1/30/24 20:00	KMC
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 20:00	KMC
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 20:00	KMC
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 20:00	KMC
Dichlorodifluoromethane (Freon 12)	0.51	0.035		2.5	0.17	0.698	1/30/24 20:00	KMC
1,1-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
1,2-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
1,2-Dichloropropane	ND	0.035		ND	0.16	0.698	1/30/24 20:00	KMC
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 20:00	KMC
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 20:00	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.24	0.698	1/30/24 20:00	KMC
1,4-Dioxane	ND	0.35		ND	1.3	0.698	1/30/24 20:00	KMC
Ethanol	120	1.4	E	230	2.6	0.698	1/30/24 20:00	KMC
Ethyl Acetate	ND	0.35		ND	1.3	0.698	1/30/24 20:00	KMC
Ethylbenzene	0.11	0.035		0.46	0.15	0.698	1/30/24 20:00	KMC
4-Ethyltoluene	ND	0.035		ND	0.17	0.698	1/30/24 20:00	KMC
Heptane	0.25	0.035		1.0	0.14	0.698	1/30/24 20:00	KMC
Hexachlorobutadiene	ND	0.035		ND	0.37	0.698	1/30/24 20:00	KMC

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA2
Sample ID: 24A2751-03
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 2172
Canister Size: 6 liter
Flow Controller ID: 3424
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -29.5
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Hexane	ND	1.4		ND	4.9	0.698	1/30/24 20:00	KMC
2-Hexanone (MBK)	0.11	0.035		0.45	0.14	0.698	1/30/24 20:00	KMC
Isopropanol	2.3	1.4		5.7	3.4	0.698	1/30/24 20:00	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.698	1/30/24 20:00	KMC
Methylene Chloride	ND	0.35		ND	1.2	0.698	1/30/24 20:00	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.698	1/30/24 20:00	KMC
Naphthalene	ND	0.035		ND	0.18	0.698	1/30/24 20:00	KMC
Propene	ND	1.4		ND	2.4	0.698	1/30/24 20:00	KMC
Styrene	0.20	0.035		0.87	0.15	0.698	1/30/24 20:00	KMC
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.698	1/30/24 20:00	KMC
Tetrachloroethylene	0.15	0.035		1.0	0.24	0.698	1/30/24 20:00	KMC
Tetrahydrofuran	0.38	0.35		1.1	1.0	0.698	1/30/24 20:00	KMC
Toluene	0.75	0.035		2.8	0.13	0.698	1/30/24 20:00	KMC
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.698	1/30/24 20:00	KMC
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 20:00	KMC
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 20:00	KMC
Trichloroethylene	ND	0.035		ND	0.19	0.698	1/30/24 20:00	KMC
Trichlorofluoromethane (Freon 11)	0.23	0.14		1.3	0.78	0.698	1/30/24 20:00	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.698	1/30/24 20:00	KMC
1,2,4-Trimethylbenzene	0.12	0.035		0.58	0.17	0.698	1/30/24 20:00	KMC
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.698	1/30/24 20:00	KMC
Vinyl Acetate	1.2	0.70		4.3	2.5	0.698	1/30/24 20:00	KMC
Vinyl Chloride	ND	0.035		ND	0.089	0.698	1/30/24 20:00	KMC
m&p-Xylene	0.31	0.070		1.3	0.30	0.698	1/30/24 20:00	KMC
o-Xylene	0.13	0.035		0.58	0.15	0.698	1/30/24 20:00	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	1/30/24 20:00

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA3
Sample ID: 24A2751-04
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 1878
Canister Size: 6 liter
Flow Controller ID: 3425
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -5.5
Receipt Vacuum(in Hg): -6.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	8.8	1.4		21	3.3	0.698	1/30/24 20:33	KMC
Benzene	ND	0.035		ND	0.11	0.698	1/30/24 20:33	KMC
Benzyl chloride	ND	0.035		ND	0.18	0.698	1/30/24 20:33	KMC
Bromodichloromethane	ND	0.035		ND	0.23	0.698	1/30/24 20:33	KMC
Bromoform	ND	0.035		ND	0.36	0.698	1/30/24 20:33	KMC
Bromomethane	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
1,3-Butadiene	ND	0.035		ND	0.077	0.698	1/30/24 20:33	KMC
2-Butanone (MEK)	ND	1.4		ND	4.1	0.698	1/30/24 20:33	KMC
Carbon Disulfide	ND	0.35		ND	1.1	0.698	1/30/24 20:33	KMC
Carbon Tetrachloride	0.074	0.035		0.47	0.22	0.698	1/30/24 20:33	KMC
Chlorobenzene	ND	0.035		ND	0.16	0.698	1/30/24 20:33	KMC
Chloroethane	ND	0.035		ND	0.092	0.698	1/30/24 20:33	KMC
Chloroform	0.051	0.035		0.25	0.17	0.698	1/30/24 20:33	KMC
Chloromethane	0.56	0.070		1.2	0.14	0.698	1/30/24 20:33	KMC
Cyclohexane	0.11	0.035		0.38	0.12	0.698	1/30/24 20:33	KMC
Dibromochloromethane	ND	0.035		ND	0.30	0.698	1/30/24 20:33	KMC
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.698	1/30/24 20:33	KMC
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 20:33	KMC
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 20:33	KMC
1,4-Dichlorobenzene	0.036	0.035		0.22	0.21	0.698	1/30/24 20:33	KMC
Dichlorodifluoromethane (Freon 12)	0.62	0.035		3.1	0.17	0.698	1/30/24 20:33	KMC
1,1-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
1,2-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
1,2-Dichloropropane	ND	0.035		ND	0.16	0.698	1/30/24 20:33	KMC
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 20:33	KMC
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 20:33	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.24	0.698	1/30/24 20:33	KMC
1,4-Dioxane	ND	0.35		ND	1.3	0.698	1/30/24 20:33	KMC
Ethanol	160	1.4	E	310	2.6	0.698	1/30/24 20:33	KMC
Ethyl Acetate	0.59	0.35		2.1	1.3	0.698	1/30/24 20:33	KMC
Ethylbenzene	0.12	0.035		0.52	0.15	0.698	1/30/24 20:33	KMC
4-Ethyltoluene	ND	0.035		ND	0.17	0.698	1/30/24 20:33	KMC
Heptane	1.5	0.035		6.3	0.14	0.698	1/30/24 20:33	KMC
Hexachlorobutadiene	ND	0.035		ND	0.37	0.698	1/30/24 20:33	KMC

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-IA3
Sample ID: 24A2751-04
Sample Matrix: Indoor air
Sampled: 1/26/2024 07:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 1878
Canister Size: 6 liter
Flow Controller ID: 3425
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -5.5
Receipt Vacuum(in Hg): -6.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Hexane	ND	1.4		ND	4.9	0.698	1/30/24 20:33	KMC
2-Hexanone (MBK)	0.11	0.035		0.46	0.14	0.698	1/30/24 20:33	KMC
Isopropanol	3.7	1.4		9.0	3.4	0.698	1/30/24 20:33	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.698	1/30/24 20:33	KMC
Methylene Chloride	ND	0.35		ND	1.2	0.698	1/30/24 20:33	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.698	1/30/24 20:33	KMC
Naphthalene	ND	0.035		ND	0.18	0.698	1/30/24 20:33	KMC
Propene	ND	1.4		ND	2.4	0.698	1/30/24 20:33	KMC
Styrene	0.17	0.035		0.73	0.15	0.698	1/30/24 20:33	KMC
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.698	1/30/24 20:33	KMC
Tetrachloroethylene	0.19	0.035		1.3	0.24	0.698	1/30/24 20:33	KMC
Tetrahydrofuran	ND	0.35		ND	1.0	0.698	1/30/24 20:33	KMC
Toluene	0.85	0.035		3.2	0.13	0.698	1/30/24 20:33	KMC
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.698	1/30/24 20:33	KMC
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 20:33	KMC
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 20:33	KMC
Trichloroethylene	ND	0.035		ND	0.19	0.698	1/30/24 20:33	KMC
Trichlorofluoromethane (Freon 11)	0.24	0.14		1.3	0.78	0.698	1/30/24 20:33	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.698	1/30/24 20:33	KMC
1,2,4-Trimethylbenzene	0.14	0.035		0.68	0.17	0.698	1/30/24 20:33	KMC
1,3,5-Trimethylbenzene	0.038	0.035		0.19	0.17	0.698	1/30/24 20:33	KMC
Vinyl Acetate	1.1	0.70		3.7	2.5	0.698	1/30/24 20:33	KMC
Vinyl Chloride	ND	0.035		ND	0.089	0.698	1/30/24 20:33	KMC
m&p-Xylene	0.33	0.070		1.4	0.30	0.698	1/30/24 20:33	KMC
o-Xylene	0.13	0.035		0.58	0.15	0.698	1/30/24 20:33	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.4	70-130	1/30/24 20:33

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-OA1
Sample ID: 24A2751-05
Sample Matrix: Ambient Air
Sampled: 1/26/2024 07:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 1658
Canister Size: 6 liter
Flow Controller ID: 3732
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Acetone	6.6	1.4		16	3.3	0.698	1/30/24 21:07	KMC
Benzene	0.39	0.035		1.2	0.11	0.698	1/30/24 21:07	KMC
Benzyl chloride	ND	0.035		ND	0.18	0.698	1/30/24 21:07	KMC
Bromodichloromethane	ND	0.035		ND	0.23	0.698	1/30/24 21:07	KMC
Bromoform	ND	0.035		ND	0.36	0.698	1/30/24 21:07	KMC
Bromomethane	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
1,3-Butadiene	ND	0.035		ND	0.077	0.698	1/30/24 21:07	KMC
2-Butanone (MEK)	ND	1.4		ND	4.1	0.698	1/30/24 21:07	KMC
Carbon Disulfide	ND	0.35		ND	1.1	0.698	1/30/24 21:07	KMC
Carbon Tetrachloride	0.070	0.035		0.44	0.22	0.698	1/30/24 21:07	KMC
Chlorobenzene	ND	0.035		ND	0.16	0.698	1/30/24 21:07	KMC
Chloroethane	0.038	0.035		0.099	0.092	0.698	1/30/24 21:07	KMC
Chloroform	ND	0.035		ND	0.17	0.698	1/30/24 21:07	KMC
Chloromethane	0.53	0.070		1.1	0.14	0.698	1/30/24 21:07	KMC
Cyclohexane	0.10	0.035		0.35	0.12	0.698	1/30/24 21:07	KMC
Dibromochloromethane	ND	0.035		ND	0.30	0.698	1/30/24 21:07	KMC
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.698	1/30/24 21:07	KMC
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 21:07	KMC
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 21:07	KMC
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.698	1/30/24 21:07	KMC
Dichlorodifluoromethane (Freon 12)	0.52	0.035		2.5	0.17	0.698	1/30/24 21:07	KMC
1,1-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
1,2-Dichloroethane	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
1,2-Dichloropropane	ND	0.035		ND	0.16	0.698	1/30/24 21:07	KMC
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 21:07	KMC
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.698	1/30/24 21:07	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.24	0.698	1/30/24 21:07	KMC
1,4-Dioxane	ND	0.35		ND	1.3	0.698	1/30/24 21:07	KMC
Ethanol	28	1.4		53	2.6	0.698	1/30/24 21:07	KMC
Ethyl Acetate	ND	0.35		ND	1.3	0.698	1/30/24 21:07	KMC
Ethylbenzene	0.11	0.035		0.49	0.15	0.698	1/30/24 21:07	KMC
4-Ethyltoluene	ND	0.035		ND	0.17	0.698	1/30/24 21:07	KMC
Heptane	0.26	0.035		1.1	0.14	0.698	1/30/24 21:07	KMC
Hexachlorobutadiene	ND	0.035		ND	0.37	0.698	1/30/24 21:07	KMC

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ANALYTICAL RESULTS

Project Location: 122 Cuttermill Rd, Great Neck, N
Date Received: 1/29/2024
Field Sample #: LIHA-OA1
Sample ID: 24A2751-05
Sample Matrix: Ambient Air
Sampled: 1/26/2024 07:33

Sample Description/Location:
Sub Description/Location:
Canister ID: 1658
Canister Size: 6 liter
Flow Controller ID: 3732
Sample Type: 24 hr

Work Order: 24A2751
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	1.4		ND	4.9	0.698	1/30/24 21:07	KMC
2-Hexanone (MBK)	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
Isopropanol	1.5	1.4		3.7	3.4	0.698	1/30/24 21:07	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.698	1/30/24 21:07	KMC
Methylene Chloride	ND	0.35		ND	1.2	0.698	1/30/24 21:07	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.698	1/30/24 21:07	KMC
Naphthalene	ND	0.035		ND	0.18	0.698	1/30/24 21:07	KMC
Propene	ND	1.4		ND	2.4	0.698	1/30/24 21:07	KMC
Styrene	ND	0.035		ND	0.15	0.698	1/30/24 21:07	KMC
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.698	1/30/24 21:07	KMC
Tetrachloroethylene	0.050	0.035		0.34	0.24	0.698	1/30/24 21:07	KMC
Tetrahydrofuran	0.57	0.35		1.7	1.0	0.698	1/30/24 21:07	KMC
Toluene	1.1	0.035		4.0	0.13	0.698	1/30/24 21:07	KMC
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.698	1/30/24 21:07	KMC
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 21:07	KMC
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.698	1/30/24 21:07	KMC
Trichloroethylene	ND	0.035		ND	0.19	0.698	1/30/24 21:07	KMC
Trichlorofluoromethane (Freon 11)	0.23	0.14		1.3	0.78	0.698	1/30/24 21:07	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14		ND	1.1	0.698	1/30/24 21:07	KMC
1,2,4-Trimethylbenzene	0.10	0.035		0.51	0.17	0.698	1/30/24 21:07	KMC
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.698	1/30/24 21:07	KMC
Vinyl Acetate	0.75	0.70		2.6	2.5	0.698	1/30/24 21:07	KMC
Vinyl Chloride	ND	0.035		ND	0.089	0.698	1/30/24 21:07	KMC
m&p-Xylene	0.32	0.070		1.4	0.30	0.698	1/30/24 21:07	KMC
o-Xylene	0.12	0.035		0.52	0.15	0.698	1/30/24 21:07	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	1/30/24 21:07

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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
24A2751-01 [LIHA-IA1]	B364820	1.5	1	N/A	1000	200	430	01/30/24
24A2751-02 [LIHA-IA1 dup]	B364820	1.5	1	N/A	1000	200	430	01/30/24
24A2751-03 [LIHA-IA2]	B364820	1.5	1	N/A	1000	200	430	01/30/24
24A2751-04 [LIHA-IA3]	B364820	1.5	1	N/A	1000	200	430	01/30/24
24A2751-05 [LIHA-OA1]	B364820	1.5	1	N/A	1000	200	430	01/30/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B364820 - TO-15 Prep											
Blank (B364820-BLK1)					Prepared & Analyzed: 01/30/24						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									
Propene	ND	0.80									
Styrene	ND	0.020									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B364820 - TO-15 Prep											
Blank (B364820-BLK1)					Prepared & Analyzed: 01/30/24						
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*7.49*				*8.00*		*93.6*	*70-130*			
LCS (B364820-BS1)					Prepared & Analyzed: 01/30/24						
Acetone	4.81				5.00		96.3	70-130			
Benzene	4.94				5.00		98.8	70-130			
Benzyl chloride	4.99				5.00		99.9	70-130			
Bromodichloromethane	5.10				5.00		102	70-130			
Bromoform	4.92				5.00		98.4	70-130			
Bromomethane	5.34				5.00		107	70-130			
1,3-Butadiene	4.93				5.00		98.7	70-130			
2-Butanone (MEK)	4.37				5.00		87.4	70-130			
Carbon Disulfide	5.45				5.00		109	70-130			
Carbon Tetrachloride	4.15				5.00		82.9	70-130			
Chlorobenzene	4.95				5.00		99.1	70-130			
Chloroethane	4.94				5.00		98.8	70-130			
Chloroform	5.12				5.00		102	70-130			
Chloromethane	4.76				5.00		95.2	70-130			
Cyclohexane	4.83				5.00		96.7	70-130			
Dibromochloromethane	5.01				5.00		100	70-130			
1,2-Dibromoethane (EDB)	4.84				5.00		96.9	70-130			
1,2-Dichlorobenzene	4.75				5.00		95.1	70-130			
1,3-Dichlorobenzene	5.33				5.00		107	70-130			
1,4-Dichlorobenzene	5.31				5.00		106	70-130			
Dichlorodifluoromethane (Freon 12)	5.32				5.00		106	70-130			
1,1-Dichloroethane	5.09				5.00		102	70-130			
1,2-Dichloroethane	4.79				5.00		95.9	70-130			
1,1-Dichloroethylene	5.37				5.00		107	70-130			
cis-1,2-Dichloroethylene	4.84				5.00		96.8	70-130			
trans-1,2-Dichloroethylene	5.20				5.00		104	70-130			
1,2-Dichloropropane	5.20				5.00		104	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B364820 - TO-15 Prep											
LCS (B364820-BS1)					Prepared & Analyzed: 01/30/24						
cis-1,3-Dichloropropene	5.00				5.00		99.9	70-130			
trans-1,3-Dichloropropene	5.17				5.00		103	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.03				5.00		101	70-130			
1,4-Dioxane	5.00				5.00		100	70-130			
Ethanol	6.43				5.00		129	70-130			
Ethyl Acetate	4.03				5.00		80.5	70-130			
Ethylbenzene	5.11				5.00		102	70-130			
4-Ethyltoluene	5.10				5.00		102	70-130			
Heptane	4.87				5.00		97.5	70-130			
Hexachlorobutadiene	4.50				5.00		90.0	70-130			
Hexane	4.76				5.00		95.2	70-130			
2-Hexanone (MBK)	5.12				5.00		102	70-130			
Isopropanol	4.72				5.00		94.3	70-130			
Methyl tert-Butyl Ether (MTBE)	5.04				5.00		101	70-130			
Methylene Chloride	4.86				5.00		97.1	70-130			
4-Methyl-2-pentanone (MIBK)	4.90				5.00		98.0	70-130			
Naphthalene	4.31				5.00		86.2	70-130			
Propene	4.33				5.00		86.6	70-130			
Styrene	4.81				5.00		96.2	70-130			
1,1,2,2-Tetrachloroethane	5.46				5.00		109	70-130			
Tetrachloroethylene	4.79				5.00		95.8	70-130			
Tetrahydrofuran	4.49				5.00		89.8	70-130			
Toluene	4.98				5.00		99.5	70-130			
1,2,4-Trichlorobenzene	4.27				5.00		85.4	70-130			
1,1,1-Trichloroethane	4.87				5.00		97.3	70-130			
1,1,2-Trichloroethane	5.49				5.00		110	70-130			
Trichloroethylene	4.89				5.00		97.8	70-130			
Trichlorofluoromethane (Freon 11)	5.07				5.00		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.14				5.00		103	70-130			
1,2,4-Trimethylbenzene	5.03				5.00		101	70-130			
1,3,5-Trimethylbenzene	5.10				5.00		102	70-130			
Vinyl Acetate	5.81				5.00		116	70-130			
Vinyl Chloride	5.25				5.00		105	70-130			
m&p-Xylene	10.7				10.0		107	70-130			
o-Xylene	5.15				5.00		103	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.94*				*8.00*		*99.3*	*70-130*			

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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.
E	Reported result is estimated. Value reported over verified calibration range.

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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
Initial Cal Check (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	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
Calibration Check (S099909-CCV1)			Lab File ID: L24A030003.D			Analyzed: 01/30/24 10:10			
Bromochloromethane (1)	260856	2.865				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	738265	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	664095	5.196				60 - 140		+/-0.50	
LCS (B364820-BS1)			Lab File ID: L24A030004.D			Analyzed: 01/30/24 10:36			
Bromochloromethane (1)	269457	2.865	260856	2.865	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	737227	3.538	738265	3.538	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	662963	5.196	664095	5.196	100	60 - 140	0.0000	+/-0.50	
Blank (B364820-BLK1)			Lab File ID: L24A030007.D			Analyzed: 01/30/24 12:08			
Bromochloromethane (1)	267556	2.869	260856	2.865	103	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	693652	3.537	738265	3.538	94	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	639922	5.194	664095	5.196	96	60 - 140	-0.0020	+/-0.50	
LIHA-IA1 (24A2751-01)			Lab File ID: L24A030016.D			Analyzed: 01/30/24 18:54			
Bromochloromethane (1)	264465	2.864	260856	2.865	101	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	717291	3.538	738265	3.538	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	658494	5.195	664095	5.196	99	60 - 140	-0.0010	+/-0.50	
LIHA-IA1 dup (24A2751-02)			Lab File ID: L24A030017.D			Analyzed: 01/30/24 19:27			
Bromochloromethane (1)	265575	2.864	260856	2.865	102	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	736692	3.538	738265	3.538	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	661678	5.196	664095	5.196	100	60 - 140	0.0000	+/-0.50	
LIHA-IA2 (24A2751-03)			Lab File ID: L24A030018.D			Analyzed: 01/30/24 20:00			
Bromochloromethane (1)	268924	2.865	260856	2.865	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	733974	3.538	738265	3.538	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	689475	5.196	664095	5.196	104	60 - 140	0.0000	+/-0.50	
LIHA-IA3 (24A2751-04)			Lab File ID: L24A030019.D			Analyzed: 01/30/24 20:33			
Bromochloromethane (1)	265487	2.864	260856	2.865	102	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	764101	3.538	738265	3.538	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	667410	5.196	664095	5.196	100	60 - 140	0.0000	+/-0.50	

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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
LIHA-OA1 (24A2751-05)			Lab File ID: L24A030020.D			Analyzed: 01/30/24 21:07			
Bromochloromethane (1)	268790	2.87	260856	2.865	103	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	735670	3.538	738265	3.538	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	672825	5.196	664095	5.196	101	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S099909-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.95	1.122255	1.111902		-0.9	30
Benzene	A	5.00	5.18	0.7254293	0.7508155		3.5	30
Benzyl chloride	A	5.00	5.04	0.65192	0.6577107		0.9	30
Bromodichloromethane	A	5.00	5.21	0.5567047	0.5798113		4.2	30
Bromoform	A	5.00	4.96	0.4926101	0.4883783		-0.9	30
Bromomethane	A	5.00	5.70	0.6308676	0.718496		13.9	30
1,3-Butadiene	A	5.00	5.28	0.551149	0.5816972		5.5	30
2-Butanone (MEK)	A	5.00	4.42	1.381604	1.221155		-11.6	30
Carbon Disulfide	A	5.00	5.58	2.063757	2.303708		11.6	30
Carbon Tetrachloride	A	5.00	4.66	0.5110368	0.4763948		-6.8	30
Chlorobenzene	A	5.00	5.20	0.7219812	0.7503794		3.9	30
Chloroethane	A	5.00	5.21	0.411751	0.4287975		4.1	30
Chloroform	A	5.00	5.40	1.439332	1.554476		8.0	30
Chloromethane	A	5.00	5.23	0.6101459	0.6386052		4.7	30
Cyclohexane	A	5.00	4.84	0.3030286	0.2931674		-3.3	30
Dibromochloromethane	A	5.00	5.10	0.5644122	0.5753081		1.9	30
1,2-Dibromoethane (EDB)	A	5.00	5.18	0.5076449	0.5253995		3.5	30
1,2-Dichlorobenzene	A	5.00	4.88	0.6234765	0.60806		-2.5	30
1,3-Dichlorobenzene	A	5.00	5.21	0.6267236	0.653333		4.2	30
1,4-Dichlorobenzene	A	5.00	5.20	0.5801365	0.6036847		4.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.80	1.768079	2.05086		16.0	30
1,1-Dichloroethane	A	5.00	5.46	1.392824	1.519944		9.1	30
1,2-Dichloroethane	A	5.00	5.34	0.9772927	1.044616		6.9	30
1,1-Dichloroethylene	A	5.00	5.74	1.127187	1.293373		14.7	30
cis-1,2-Dichloroethylene	A	5.00	5.23	0.908952	0.9499617		4.5	30
trans-1,2-Dichloroethylene	A	5.00	5.40	1.128232	1.217861		7.9	30
1,2-Dichloropropane	A	5.00	5.28	0.2601948	0.2748238		5.6	30
cis-1,3-Dichloropropene	A	5.00	5.70	0.3962271	0.4521152		14.1	30
trans-1,3-Dichloropropene	A	5.00	4.87	0.3522842	0.3428579		-2.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.88	1.784687	2.099647		17.6	30
1,4-Dioxane	A	5.00	4.71	0.1742852	0.1641318		-5.8	30
Ethanol	A	5.00	5.22	0.1732414	0.1808507		4.4	30
Ethyl Acetate	A	5.00	4.14	0.2390169	0.1980618		-17.1	30
Ethylbenzene	A	5.00	5.36	1.176902	1.26055		7.1	30
4-Ethyltoluene	A	5.00	5.07	1.247069	1.264354		1.4	30
Heptane	A	5.00	4.93	0.2286847	0.2254345		-1.4	30
Hexachlorobutadiene	A	5.00	4.56	0.4755616	0.4341475		-8.7	30
Hexane	A	5.00	4.80	0.7442178	0.7145889		-4.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S099909-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.47	0.5993899	0.6562386		9.5	30
Isopropanol	A	5.00	5.14	1.180699	1.212967		2.7	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.36	2.130891	2.282988		7.1	30
Methylene Chloride	A	5.00	5.24	0.8716214	0.9131352		4.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.12	0.2414371	0.2471503		2.4	30
Naphthalene	A	5.00	4.16	0.954618	0.7943297		-16.8	30
Propene	A	5.00	4.48	0.4075236	0.3650873		-10.4	30
Styrene	A	5.00	5.31	0.6680173	0.7090142		6.1	30
1,1,2,2-Tetrachloroethane	A	5.00	5.65	0.6838293	0.7723907		13.0	30
Tetrachloroethylene	A	5.00	5.04	0.4174566	0.4206169		0.8	30
Tetrahydrofuran	A	5.00	3.94	0.9111963	0.7174349		-21.3	30
Toluene	A	5.00	5.08	0.9385805	0.9535527		1.6	30
1,2,4-Trichlorobenzene	A	5.00	4.18	0.3693275	0.3090835		-16.3	30
1,1,1-Trichloroethane	A	5.00	5.22	0.5075792	0.5302291		4.5	30
1,1,2-Trichloroethane	A	5.00	5.70	0.309655	0.3531157		14.0	30
Trichloroethylene	A	5.00	5.06	0.3356598	0.3393578		1.1	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.49	1.816743	1.994418		9.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.55	1.436582	1.594786		11.0	30
1,2,4-Trimethylbenzene	A	5.00	5.37	1.021302	1.096315		7.3	30
1,3,5-Trimethylbenzene	A	5.00	5.40	1.055296	1.140365		8.1	30
Vinyl Acetate	A	5.00	6.29	1.463541	1.840887		25.8	30
Vinyl Chloride	A	5.00	5.67	0.7105757	0.8060232		13.4	30
m&p-Xylene	A	10.0	11.2	0.9711506	1.083665		11.6	30
o-Xylene	A	5.00	5.51	0.9550518	1.053206		10.3	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
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	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Pace Analytical®

24A2751

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: HRP Associates Inc.
Address: 197 Scott Swamp Rd Farmington, CT 06032
Phone:
Project Name:
Project Location: 122 Cutter Mill Rd Great Neck, NY
Project Number: OEC 10020m
Project Manager: Derek Roy
Pace Quote Name/Number:
Invoice Recipient: Bill directly to HRP
Sampled By: DJA/KA

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [ ] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15 low level	" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	[✓] m³/min [✓] L/min	Code	[✓] Liters [ ] m³		Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
												Summa Can ID	Flow Controller ID
01	LIHA-IA1	1-25-24 7:51A	1-26-24 7:34A	1423	0.004	IA	6	X	30	7	5.3	1028	3500
02	LIHA-IA1 dup	1-25-24 7:51A	1-26-24 7:34A	1423					30	7	5.3	1839	3622
03	LIHA-IA2	1-25-24 7:50A	1-26-24 7:35A	1425					29.5	6	5.2	2172	3424
04	LIHA-IA3	1-25-24 7:54A	1-26-24 7:37A	1423					28.5	5.5	5.2	1878	3425
05	LIHA-OA1	1-25-24 7:52A	1-26-24 7:33A	1421		AMB			28	8	2.0	1658	3732

Comments: NYOEC project site # 130072

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

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 1/29/24
Received by: (signature)	Date/Time: 1/29-24 0940
Relinquished by: (signature)	Date/Time: 1/29 1445
Received by: (signature)	Date/Time: 1/29/24 1445
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[ ] CT RCP Required
RCP Certification Form Required
[ ] Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client HRP Associates Inc.

Project

MCP/RCP Required

Deliverable Package Requirement

Location 122 Cuttermill rd Great Neck, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time MCM 1129124 1445

Back-Sheet By / Date / Time KMC 1/30/24 1030

Temperature Method # ☐

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	6	6L	6	24hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s															
1	1028	5	1658	10		15		Regs #'s	5	3732	10		15		
2	1839	6		11		16		1	3500	6		11		16	
3	2172	7		12		17		2	3622	7		12		17	
4	1878	8		13		18		3	3424	8		13		18	
Unused Media		9		14		19		4	3425	9		14		19	
1	1959	4		9		14		Pufs/TO-17's		5		10		15	
2	3731	5		10		15		1		6		11		16	
3		6		11		16		2		7		12		17	
4		7		12		17		3		8		13		18	
		8		13		18		4		9		14		19	

Qualtrax ID: 127034

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

Periodic System Testing and Inspection				
Item	**Description**	**Frequency**	**Date Last Performed**	**Date Due**
10	Sprinkler system testing N/A	Annual		
11	Battery powered emergency lighting tested	Annual	12/21/23	12/21/24
12	Fire Extinguishers annual inspection	Annual	5/25/23	5/25/24
13	Emergency Lighting Testing	Monthly	1/24/24	

Inspected By: KG
Inspection Date: 1/26/24

Other Items Noted:

* Smoke detector in downstairs office not working

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

Periodic System Testing and Inspection				
Item	**Description**	**Frequency**	**Date Last Performed**	**Date Due**
10	Sprinkler system testing N/A	Annual		
11	Battery powered emergency lighting tested	Annual	12/21/23	12/21/24
12	Fire Extinguishers annual inspection	Annual	5/25/23	5/25/24
13	Emergency Lighting Testing	Monthly	2.29.24	

Inspected By: DJH
Inspection Date: 2.29.24

Other Items Noted: Replace smoke alarm in downstairs office

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

Periodic System Testing and Inspection				
Item	**Description**	**Frequency**	**Date Last Performed**	**Date Due**
10	Sprinkler system testing N/A	Annual		
11	Battery powered emergency lighting tested	Annual	12-21-23	12-21-24
12	Fire Extinguishers annual inspection	Annual	5/25/23	5/25/24
13	Emergency Lighting Testing	Monthly	3-15-24	

Inspected By: DJA
Inspection Date: 3-15-24

Other Items Noted: