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QUARTERLY OPERATION AND MAINTENANCE REPORT – SECOND QUARTER 2022

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, New York 12233
Contract #D009808

Prepared By:

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HRP #: DEC1003.OM

Issued On: July 29, 2022

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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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Report Date: 7/29/2022

Project Manager: _____

David Feinson
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 United States Environmental Protection Agency (US 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 Operations and Maintenance.
- 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 2nd quarter of 2022 (April through June 2022). 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 on-Site dry-cleaning processes were discharged, spilled, or leaked onto the ground behind the facility (U.S. Department of Health, 2004). The Site is located approximately 1,000 feet north of an active public water supply well field owned and operated by the Water Authority of Great Neck North (WAGNN). The Site is approximately ¼ acre 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 US 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 (3) 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 (2) wells. Use of the air sparge system was discontinued in December 2014. Per NYSDEC approval, the GWE&T system was shut

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

2.3 Site Cleanup Objectives

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

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

3.0 OPERATIONS AND MAINTENANCE PROGRAM

The operations and maintenance program for the Stanton Cleaners Area Superfund Site includes the following:

- Monthly inspections of the GWE&T system and SVE system.
- Quarterly sampling of SVE system influent and effluent. Samples are analyzed for VOCs via EPA method TO-15.
- Annually sampling of the system discharge point to the city sewer. Samples analyzed for state pollution discharge elimination system (SPDES) Equivalency Parameters.

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

3.1 Groundwater Extraction and Treatment System Operations and Maintenance

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

3.1.1 Groundwater Extraction and Treatment System Annual SPDES Sampling

Annual SPDES sampling of the groundwater extraction and treatment system was not completed during this quarter. No further sampling of effluent is planned for 2022 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), temperature, relative humidity, dew point, and vacuum pressure. 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.
- Background.

Monitoring of the SVE system occurred monthly during the 2nd quarter of 2022 on April 26, 2022, May 26, 2022, and June 22, 2022. The monthly sampling was performed in order to evaluate the operation of the system for optimization purposes. Quarterly sampling of the SVE system will resume during the 3rd quarter of 2022. Monthly monitoring logs are included in **Appendix B**.

Samples SVE_INF and SVE_EFF were collected from the influent and effluent, respectively, via SUMMA canisters and analyzed for VOCs by TO-15 during each monthly event. Concentrations of PCE ranged between 2,200 to 3,500 micrograms per cubic meter (µg/m^3) in the influent sample (SVE-INF). PCE was detected in the effluent sample (SVE-Eff) at 1.9 to 2.5 µg/m^3. Several non-chlorinated VOCs were detected in the influent and effluent including acetone, benzene, chloromethane, Freon 12, ethanol, ethyl acetate, ethylbenzene, isopropanol, tetrahydrofuran, toluene, and xylenes. A summary of the SVE influent and effluent sample results is included in **Table 1**. The laboratory analytical reports are included in **Appendix C**.

The Velocicalc meter recorded a flow rate range of 20.78 to 27.30 cubic feet per minute (cfm) at the SVE influent. Based on the data available, approximately 0.65 lbs. of chlorinated VOCs (consisting primarily of PCE, TCE, and cis-1,2-DCE) were removed by the SVE system during the 2nd quarter of 2022. The VOC mass removal for the 2nd quarter of 2022 is summarized on **Table 2**. The laboratory analytical reports are included in **Appendix C**.

In May 2022, system optimization was initiated and all the SVE wells (SVE-1-shallow, SVE-1-medium, SVE-2-shallow, SVE-2-medium, SSA, SVE-3A, SVE-3B, SVE-1-combined, SVE-2 combined, HSVE-1, and HSVE-2) were opened and operated for 1 month and a sample collected on June 22 from each location to assess the current mass recovery rates. Based on the June 2022 data, the majority of the chlorinated VOC concentrations in the SVE influent consists primarily of PCE. The sampling of the individual SVE wells indicates that the majority of the CVOC mass is being recovered from HSVE-1 (horizontal well located beneath the former Stanton Cleaners building) and SVE-3A (vertical well located behind the treatment building), where PCE concentrations were highest. The system will continue to operate over the next quarter primarily recovering mass from HSVE-1 and SVE-3A in an effort to optimize mass recovery.

4.0 MONITORING PROGRAM

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

- Quarterly operations and maintenance reports.
- Monthly gauging of 16 monitoring wells for water level.
- Semi-annual groundwater sampling of the well network for analysis of VOCs via EPA Method 8260.
- Annual soil vapor intrusion sampling at the LIHA.
- Monitoring of the WAGNN supply well.

4.1 Plume Perimeter Monitoring

Monitoring wells are gauged for water level on a monthly basis to assess capture zones around the groundwater extraction well EPA-EXT-02. **Figure 3** depicts the network of monitoring wells.

Monitoring wells were gauged monthly during the 2nd quarter of 2022. The locations and number of wells monitored were previously determined by the US EPA based on the 2014 *Final Capture Zone Analysis Report*. **Appendix D** includes the groundwater level measurements.

4.2 Groundwater Sampling

Semi-annual groundwater sampling was not conducted this quarter. The next routine semi-annual groundwater sampling event is scheduled for July 2022. **Table 3** summarizes the groundwater monitoring schedule.

4.3 Indoor Air Quality Sampling

Indoor air quality sampling was not conducted during this quarter. The next routine annual indoor air sampling event is scheduled for December 2022 at the LIHA.

4.4 Water Authority of Great Neck North Public Supply Well Monitoring

Monitoring of the WAGNN public supply well was not conducted during this quarter.

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 the outstanding items that HRP will address in 2022:

- Based on discussions with NYSDEC and NYSDOH, the GWE&T system was shut down in the 1st quarter of 2022; therefore, no repairs will be performed to address issues previously identified with the GWE&T system.
- Fire safety inspection are performed on a monthly basis. Inspection forms are maintained at the site, and copies are included in **Appendix E**. Certain issues were identified during the last inspection, including wind damage to the roof of the building. A contractor should be retained to perform the necessary building repairs.
- HRP performed an energy audit of the site in the 1st quarter of 2022. NYSDEC has approved implementation of HRP's energy audit recommendations, which include:
    - Installation of a variable frequency drive (VFD) for the SVE blower,
    - Installation of lighting controls, and
    - Installation of new thermostats with timer controls.

HRP will be working on implementing the above recommendations as part of ongoing O&M of the remediation systems in 2022.

6.0 FUTURE ACTIVITIES

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

- Routine monthly operations and maintenance activities will continue.
- Optimization of the SVE system will occur in the 3rd quarter 2022.
- Semi-annual groundwater sampling is scheduled to be completed in the 3rd quarter of 2022.

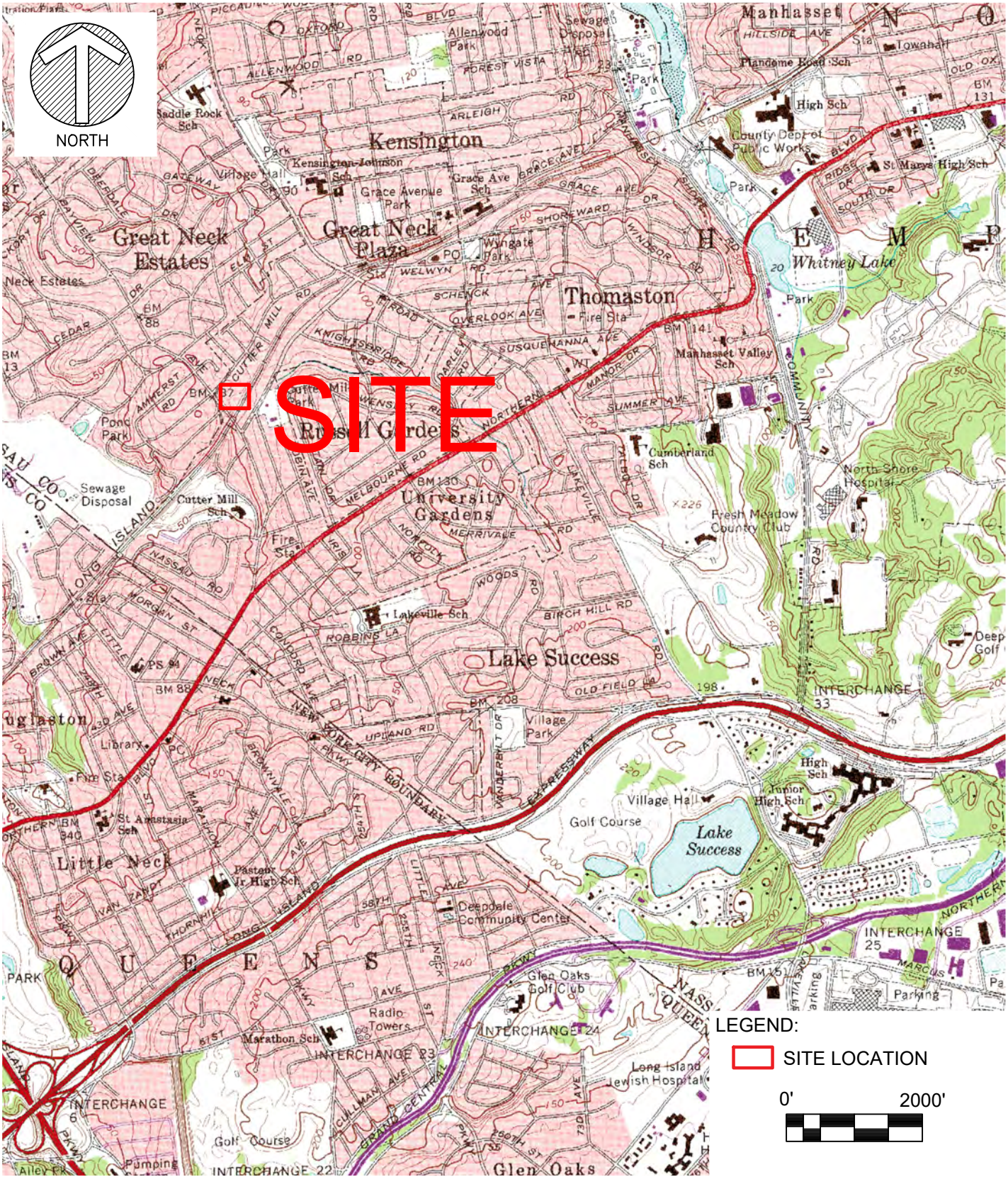
7.0 PROGRESS TOWARD CLEANUP OBJECTIVES

Based on review of O&M field notes and laboratory analysis of SVE-Influent samples analyzed by the laboratory, the SVE system removed approximately 0.65 lbs. of VOCs consisting primarily of PCE. The total cost of system O&M during this quarter was $16,311.97 (Tasks 1 through 4 of the WA). A cost per pound of VOC removal in both liquid and vapor phase is provided below.

Quarterly Cost Summary					
Period	**Quarterly O&M Cost**	**VOC Mass Removed by SVE (lbs)**	**VOC Mass Removed by GWE&T (lbs)**	**Total VOC Mass Removed (lbs)**	**Cost per Pound of VOC Removal**
4/1/2022 through 6/30/2022	$16,311.97	0.65	NA	0.65	Not applicable (<1lb removed)

Based on the analytical results and system flow rates, the SVE system recovered less contaminant than in previous years. HRP will perform system optimization actions through 2022 in order to maximize mass recovery by the SVE system.

FIGURES

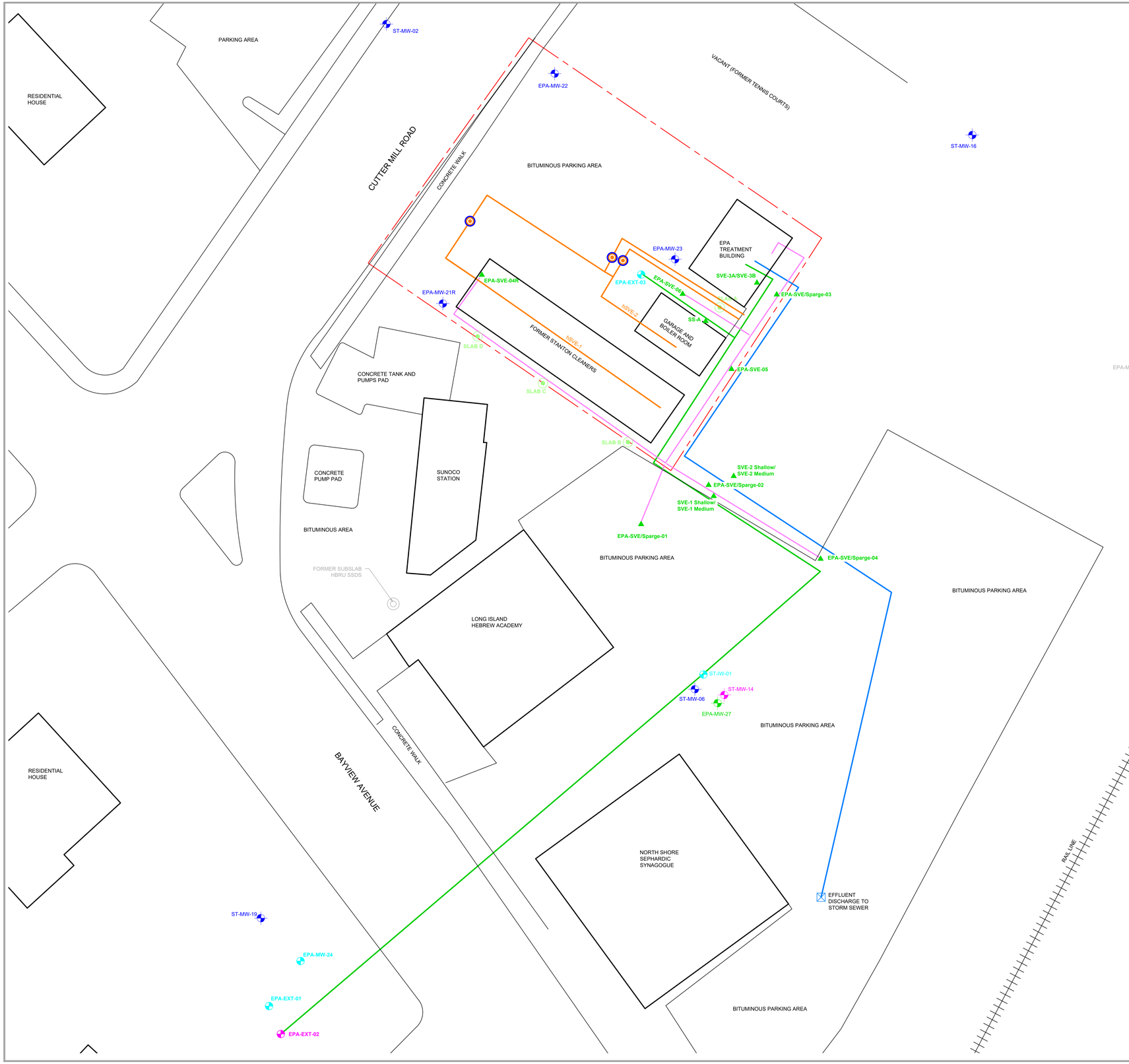


SITE LOCATION MAP

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

SCALE:	1" = 2000'
ISSUE DATE:	05/13/2020
PROJECT NUMBER:	DEC1003.OM

FIGURE
1



LEGEND

- -SLAB SAMPLE
- -SVE WELL
- -NON-OPERATIONAL EXTRACTION WELL
- -GROUNDWATER EXTRACTION WELL
- -SHALLOW MONITORING WELL
- -INTERMEDIATE MONITORING WELL
- -DEEP MONITORING WELL
- -HSVE CLEANOUT
- -GROUNDWATER TREATMENT EFFLUENT LINE
- -GROUNDWATER TREATMENT INFLUENT LINE
- -EXISTING HORIZONTAL SVE WELL PIPING
- -EXISTING SVE SYSTEM SUCTION LINE
- -STANTON CLEANERS PROPERTY

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NORTH

0 10' 20'

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED: DR	SCALE: AS NOTED				
DRAWN: BOB/ASB	ISSUE DATE: 04/04/2022	REVIEWED: DR	PROJECT NUMBER: DEC1003.0M	APPROVED: DJF	SHEET SIZE: 24"x36"

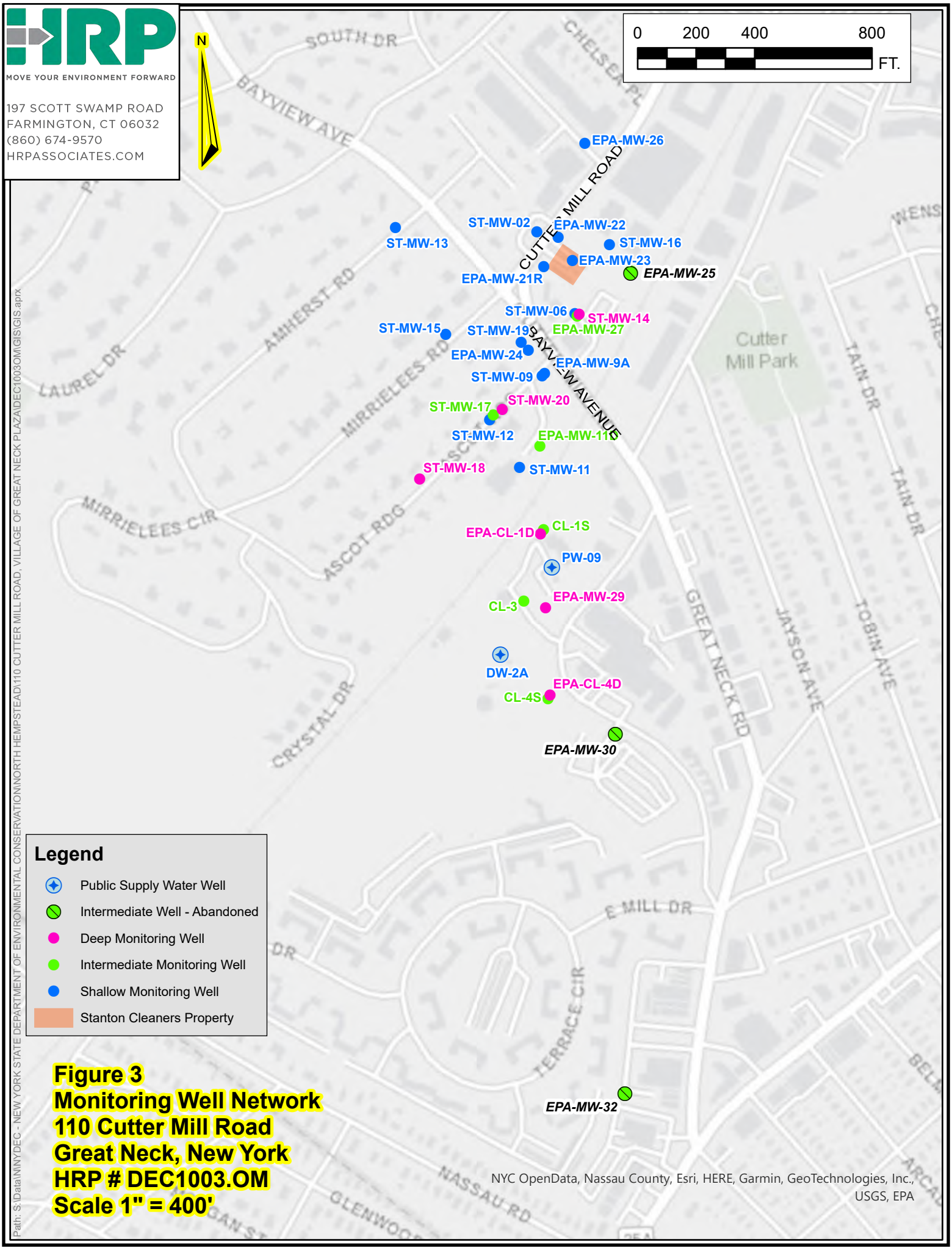
P.E. SEAL

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

SITE PLAN

SHEET NO.

FIG. 2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ST-MW-13
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EPA-MW-23
EPA-MW-25
EPA-MW-21R
ST-MW-06
ST-MW-14
ST-MW-15
ST-MW-19
EPA-MW-27
BAYVIEW AVENUE
EPA-MW-24
EPA-MW-9A
ST-MW-09
ST-MW-17
ST-MW-20
ST-MW-12
EPA-MW-11S
ST-MW-18
ST-MW-11
EPA-CL-1D
CL-1S
PW-09
CL-3
EPA-MW-29
DW-2A
EPA-CL-4D
CL-4S
EPA-MW-30
EPA-MW-32
Cutter Mill Park
SOUTH DR
BAYVIEW AVE
AMHERST RD
LAUREL DR
MIRRIELEES RD
MIRRIELEES CIR
ASCOT RDG
CRYSTAL DR
GREAT NECK RD
JAYSON AVE
TOBIN AVE
TAIN DR
E MILL DR
TERRACE CIR
NASSAU RD
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
SVE System - Analytical Results
110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA, NY
HRP# DEC1003.OM

Lab Report No:		22D2005	22E1991	22F1493	22D2005	22E1991	22F1493	22F1493	22F1493	22F1493	22F1493	22F1493	22F1493	22F1493	22F1493	22F1493
Sample Name:		SVE-Inf	SVE-INF	SVE-INF	SVE-Eff	SVE-EFF	SVE-EFF	HSVE-1	HSVE-2	SS-A	SVE-1 MEDIUM	SVE-1 SHALLOW	SVE-2 MEDIUM	SVE-2 SHALLOW	SVE-3A	SVE-3B
ID:		SVE-INF	SVE-INF	SVE-INF	SVE-EFF	SVE-EFF	SVE-EFF	HSVE-01	HSVE-02	SS-A	SVE-1 MEDIUM	SVE-1 SHALLOW	SVE-2 MEDIUM	SVE-2 SHALLOW	SVE-3A	SVE-3B
Date Collected:		4/26/2022	5/26/2022	6/22/2022	4/26/2022	5/26/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022	6/22/2022
	Unit															
VOCs																
1,2-Dichloroethane	ug/m3	**0.97**	**1.4**	< 4	**0.89**	**1.5**	**2**	< 0.81	< 4	**1.6**	**1.5**	**1.7**	**1.7**	**1.6**	**1.8**	**1.7**
1,2-Dichloropropane	ug/m3	**3.9**	**6**	**8.5**	**2.3**	**8.3**	**7.3**	< 0.92	< 4.6	**6.9**	**6.2**	**9.1**	**6.1**	**7.6**	**9.3**	**6.9**
2-Butanone (MEK)	ug/m3	< 24	< 24	< 120	< 24	< 24	< 24	**31**	**2000**	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Acetone	ug/m3	**29**	**23**	< 95	**33**	**20**	**66**	**23**	**320**	**32**	**31**	**32**	**34**	**31**	**32**	**42**
Benzene	ug/m3	< 0.64	**0.88**	< 3.2	< 0.64	< 0.64	**1.8**	**1.7**	< 3.2	**1.5**	**1.3**	**3**	**2**	**1.4**	**1.6**	**1.6**
Chloroform	ug/m3	< 0.98	< 0.98	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 4.9	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	**1.2**
Chloromethane	ug/m3	**1**	**1.1**	< 4.1	< 0.83	**0.93**	**1.2**	< 0.83	**7.7**	< 0.83	**1.3**	**1.3**	**1.2**	**1.5**	**1.1**	**1.1**
cis-1,2-Dichloroethene	ug/m3	**150**	**120**	**89**	< 0.79	< 0.79	< 0.79	**380**	**11**	**4.5**	< 0.79	< 0.79	< 0.79	< 0.79	**4.7**	**4.6**
Dichlorodifluoromethane	ug/m3	**2.6**	**3.1**	< 4.9	**3.1**	**2.3**	**3.2**	**2.4**	< 4.9	**2.3**	**2.4**	**2.3**	**2.3**	**2.2**	**2.3**	**4.9**
Ethanol	ug/m3	**330**	**480**	**220**	**760**	**510**	**640**	**200**	**190**	**200**	**240**	**290**	**240**	**220**	**160**	**300**
Ethylbenzene	ug/m3	< 0.87	< 0.87	< 4.3	< 0.87	< 0.87	**1.4**	< 0.87	< 4.3	**1.2**	**1.2**	**1.6**	**1.3**	**1.3**	**1.2**	**1.3**
Heptane	ug/m3	< 0.82	**1.4**	< 4.1	**0.92**	**1.2**	**2.7**	< 0.82	< 4.1	**1.2**	**1.2**	**1.6**	**1.2**	**1.2**	**0.97**	**1.3**
Isopropyl Alcohol	ug/m3	< 20	**22**	< 98	**51**	**21**	**150**	**25**	< 98	**39**	**28**	**29**	**53**	**53**	**34**	**67**
m,p-Xylene	ug/m3	< 1.7	**2.2**	< 8.7	**2.2**	**2.4**	**3.5**	< 1.7	< 8.7	**3.9**	**3.8**	**4.5**	**3.9**	**4**	**3.4**	**3.6**
Methyl isobutyl ketone (MIBK)	ug/m3	< 0.82	< 0.82	< 4.1	< 0.82	< 0.82	< 0.82	< 0.82	< 4.1	**1.5**	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82	< 0.82
o-Xylene	ug/m3	< 0.87	< 0.87	< 4.3	**1.1**	< 0.87	**1.8**	< 0.87	< 4.3	**1.6**	**1.7**	**2.1**	**1.8**	**1.7**	**1.6**	**1.7**
Styrene	ug/m3	< 0.85	< 3.4	< 4.3	**2**	< 3.4	**1.2**	< 0.85	< 4.3	**1.4**	**1.2**	**1.3**	**1.3**	**1.4**	**0.87**	**1.1**
Tetrachloroethene	ug/m3	**3100**	**3500**	**2200**	**1.9**	**1.9**	**2.5**	**1200**	**100**	**30**	**5.5**	**3.9**	**18**	**18**	**460**	**67**
Tetrahydrofuran	ug/m3	**10**	**8.4**	< 29	**6.6**	< 5.9	**11**	**20**	**9700**	< 5.9	< 5.9	**11**	< 5.9	**6.7**	**6.5**	**7.3**
Toluene	ug/m3	**23**	**29**	**33**	**19**	**39**	**36**	**2.5**	< 3.8	**32**	**30**	**41**	**32**	**35**	**39**	**32**
trans-1,2-Dichloroethene	ug/m3	**0.92**	**1**	< 4	< 0.79	< 0.79	< 0.79	**4.1**	< 4	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79
Trichloroethene	ug/m3	**140**	**120**	**97**	< 1.1	< 1.1	< 1.1	**200**	< 5.4	**4.1**	< 1.1	< 1.1	< 1.1	< 1.1	**9.4**	**4.1**
Vinyl chloride	ug/m3	< 0.51	< 0.51	< 2.6	< 0.51	< 0.51	**1.2**	< 0.51	< 2.6	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51

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:

µg/m3 = micrograms per cubic meter

VOCs = Volatile Organic Compounds

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

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 12/24/2020 and 3/18/2021

Table 3: Well Monitoring Schedule

Stanton Cleaners Area Superfund Site

110 Cutter Mill Road, Great Neck, NY

Well ID	Monthly Gauging	Semi-Annual Sampling
EPA-MW-9A	x	x
EPA-MW-11D	x	x
EPA-MW-21R	x	x
EPA-MW-22		
EPA-MW-23	x	x
EPA-MW-26	x	x
EPA-MW-27	x	x
ST-MW-02		
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
EPA-CL-4D		
CL-4S		

Note: Semi-annual sampling conducted in January and July

APPENDIX A

Daily Operation and Maintenance Reports

DAILY INSPECTION REPORT

Report No. **(Site Name) - NYSDEC Site No. _130072_** Date: 05/26/22

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D011107

Superintendent:

NYSDEC PM: P. Long

Consultant PM: D. Feinson

Consultant Site Inspectors: Adam,Gandarillas

Site Location: 110 Cuttermill Rd Great Neck, NY

Weather Conditions				
General Description	cloudy	AM		PM
Temperature	54	AM		PM
Wind	NW	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:	6:40am	Departed Site:	**8:30am**

Fire safety inspection, System monitoring. Note open all Closed SVE extraction well lines.

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
Keith Gandarillas	HRP	Technician	2.0
David Adam	HRP	Technician	2.0

Equipment Description	Contractor/Vendor	Quantity	Used
RAE PID 10.6ev	HRP	1	1

MiniRae 4 gas	HRP	1	1
TSI hotwire anemometer	HRP	1	1
Water level interface probe	HRP	1	1
MiniRae PID	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: 06/22/22

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D011107

Superintendent:

NYSDEC PM: P. Long

Consultant PM: D. Feinson

Consultant Site Inspectors: Adam, Labbe

Site Location: 110 Cuttermill Rd Great Neck, NY

Weather Conditions				
General Description	cloudy	AM		PM
Temperature	64	AM		PM
Wind	NW	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:	6:50am	Departed Site:	**10:10am**

Fire safety inspection, System monitoring. Sample extraction points.

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
Chris Labbe	HRP	Technician	3.4
David Adam	HRP	Technician	3.4

Equipment Description	Contractor/Vendor	Quantity	Used
RAE PID 10.6ev	HRP	1	1

MiniRae 4 gas	HRP	1	1
TSI hotwire anemometer	HRP	1	1
Water level interface probe	HRP	1	1
MiniRae PID	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:			

APPENDIX B

Soil Vapor Extraction System Operation and Maintenance Reports

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

Date: 4.26.22
HRP #: DEC1003-004

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		1.8	0	20.9	0	0	65.4	12.0	45.1	46.9	23.77
Post-Blower Pre-Carbon*	5.706		3.8	0	20.9	0	0	70.7	0.59	66.5	58.4	79.70
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											
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0	52.2	6.1	92.8	50.2	72.11
hSVE-1			11.3	0	20.9	0	0	54.6	9.4	88.1	48.4	49.3
hSVE-2			13.0	0	20.9	0	0	54.6	11.0	88.8	48.8	2.45
Background	N/A		0.0	0	20.9	0	0	52	—	76.4	46.8	—

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1 Combined	Closed	closed
SVE-2 Combined	Open 25%	Open 25%
SVE-3	↓	Closed
SVE-4		↓
EPA-SVE-04R/SSB(A)		
SS-A		
SS-B(B)		
SS-B(C)		
L1		
L2	↓	↓
hSVE-1	Open	open
hSVE-2	Open	open

Blower Vac. 28"

0.0 ppm PID after Carbon

Sampled SVE INF 8:15A

SVE EFF 8:26A

Collected samples in tedlar bags

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: 5-26-22
HRP #: OEC 10030m

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		82.1	0	20.9	0	0	72.1	10.5	56.9	49.8	20.78
Post-Blower Pre-Carbon*	5.706		4.7	0	20,9	0	0	77.2	0.748	66.0	54.5	82.18
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											
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20,9	0	0	64.2	6.5	66.2	51.6	71.52
hSVE-1			13.1	0	20,9	0	0	60,9	8.9	68.9	49.7	48.57
hSVE-2			12.1	0	20,9	0	0	61.4	11.0	68,9	50.2	2.31
Background	N/A		0.0	0	20.9	0	0	54	—	82	49	—

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1 Combined	Closed	open
SVE-2 Combined	open 25%	open
SVE-3 A	Closed	open
SVE-4 Shallow		open
~~EPA-SVE-04R/SSB(A)~~		
SS-A		open
~~SS-B(B)~~ SVE-3A		open
~~SS-B(C)~~ SVE-3B		open
~~L1~~ SVE-1 med.		open
~~L2~~ SVE-2 Shallow		open
hSVE-1	open	open
hSVE-2	open	open

SVE2 med

Blower Vac. 28"
0.0 ppm After carbon
Sampled SVE INF 7:04A
SVE Eff 6:58A

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: 6-22-22

HRP #: DEC 1003 OM

		FID	MultiRae					VelociCalc				
	Pipe ID	VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		0.8	0	20.9	0	0	78.2	8.0	64.2	61.8	27.70
Post-Blower Pre-Carbon*	5.706		1.6	8	20.9	0	0	75.4	0.925	73.1	57.5	94.32
EPA-SVE-1 (shallow)	1.913		0.8	8	20.9	0	0	66.0	5.0	78.6	60.0	0.45
EPA-SVE-1 (medium)	1.913		0.0	0	20.9	0	0	66.2	5.5	87.7	60.1	0.53
EPA-SVE-2 (shallow)	1.913		0.0	0	20.9	0	0	64.3	0.239	68.0	56.2	0.05
EPA-SVE-2 (medium)	1.913		0.0	0	20.9	0	0	67.0	0.179	66.4	56.3	0.08
SS-A	1.913		0.0	0	20.9	0	0	65.6	5.5	72.7	58.8	0.01
SVE-3A	1.913		0.0	0	20.9	0	0	65.2	3.0	76.3	60.1	79.23
SVE-3B	1.913		0.0	0	20.9	0	0	67.1	7.5	75.5	57.6	76.22
SVE-1 Combined	1.913		Water		IN	line						
SVE-2 Combined	1.913		0.0	0	20.9	0	0	67.1	3.75	73.5	63.4	24.61
hSVE-1			11.3	0	20.9	0	0	66.7	5.25	76.6	58.4	1.58
hSVE-2			3.3	0	20.9	0	0	66.7	5.0	74.3	57.0	28.97
Background	N/A		0	0	20.9	0	0	64	—	86	59.0	—

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1 Combined	Open	Open
SVE-2 Combined		
SVE-3 A		
SVE-1 shallow		
~~EPA-SVE-04R/SSB(A)~~		
SS-A		
~~SS-B(B)~~ SVE-1 Med		
~~SS-B(C)~~ SVE-2 shallow		
~~L1~~ SVE-2 Med		
~~L2~~ SVE-3B		
hSVE-1		
hSVE-2		

Blower Vac 28" 0.0 ppm PID after Carbon

Sample:

SVE-1 shallow 8:23A SVE-3B 9:07A
SVE-1 med. 8:29A
SVE-2 shallow 8:34A
SVE-2 med 8:38A
SS-A 8:51A
SVE-3A 9:14A
HSVE-01 9:34A
HSVE-02 9:46A

Equipment Calibrated by: DJA **Air Readings Collected by:** DJA

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

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

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

APPENDIX C
Laboratory Analytical Reports

con-test®
A Pace Analytical® Laboratory

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

May 2, 2022

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

Project Location: 110 Cattermill Rd., Great Neck, NY
Client Job Number:
Project Number: 130072
Laboratory Work Order Number: 22D2005

Enclosed are results of analyses for samples as received by the laboratory on April 27, 2022. 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: 5/2/2022

PURCHASE ORDER NUMBER: 141716

PROJECT NUMBER: 130072

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D2005

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

PROJECT LOCATION: 110 Cattermill Rd., Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-Inf	22D2005-01	Air		EPA TO-15	
SVE-Eff	22D2005-02	Air		EPA TO-15	

con-test®
A Pace Analytical® Laboratory

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.

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

EPA TO-15

Qualifications:

A-09

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

Analyte & Samples(s) Qualified:

22D2005-01[SVE-Inf], 22D2005-02[SVE-Eff]

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromoform
B307212-BS1

Bromomethane
B307212-BS1

L-03

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

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B307322-BLK1, B307322-BS1

Ethyl Acetate
B307322-BLK1, B307322-BS1

Isopropanol
B307322-BLK1, B307322-BS1

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:

1,2-Dichloro-1,1,2,2-tetrafluoroeth
B307212-BS1

Ethanol
B307322-BLK1, B307322-BS1

Trichlorofluoromethane (Freon 11)
B307212-BS1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B307322-BLK1, B307322-BS1, S071029-CCV1

V-05

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

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B307322-BLK1, B307322-BS1, S071029-CCV1

Ethyl Acetate
B307322-BLK1, B307322-BS1, S071029-CCV1

Naphthalene
B307322-BLK1, B307322-BS1, S071029-CCV1

V-06

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

Analyte & Samples(s) Qualified:

Ethanol
B307322-BLK1, B307322-BS1, S071029-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B307212-BS1, S070970-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Ethyl Acetate

B307322-BLK1, B307322-BS1, S071029-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Vinyl Acetate

B307322-BS1, S071029-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.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 110 Cattermill Rd., Great Neck, N
Date Received: 4/27/2022
Field Sample #: SVE-Inf
Sample ID: 22D2005-01
Sample Matrix: Air
Sampled: 4/26/2022 08:15

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

Work Order: 22D2005
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	12	8.0		29	19	4	4/28/22 17:33	TPH
Benzene	ND	0.20		ND	0.64	4	4/28/22 17:33	TPH
Benzyl chloride	ND	0.20		ND	1.0	4	4/28/22 17:33	TPH
Bromodichloromethane	ND	0.20		ND	1.3	4	4/28/22 17:33	TPH
Bromoform	ND	0.20		ND	2.1	4	4/28/22 17:33	TPH
Bromomethane	ND	0.20		ND	0.78	4	4/28/22 17:33	TPH
1,3-Butadiene	ND	0.20		ND	0.44	4	4/28/22 17:33	TPH
2-Butanone (MEK)	ND	8.0		ND	24	4	4/28/22 17:33	TPH
Carbon Disulfide	ND	2.0		ND	6.2	4	4/28/22 17:33	TPH
Carbon Tetrachloride	ND	0.20		ND	1.3	4	4/28/22 17:33	TPH
Chlorobenzene	ND	0.20		ND	0.92	4	4/28/22 17:33	TPH
Chloroethane	ND	0.20		ND	0.53	4	4/28/22 17:33	TPH
Chloroform	ND	0.20		ND	0.98	4	4/28/22 17:33	TPH
Chloromethane	0.50	0.40		1.0	0.83	4	4/28/22 17:33	TPH
Cyclohexane	ND	0.20		ND	0.69	4	4/28/22 17:33	TPH
Dibromochloromethane	ND	0.20		ND	1.7	4	4/28/22 17:33	TPH
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	4/28/22 17:33	TPH
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 17:33	TPH
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 17:33	TPH
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 17:33	TPH
Dichlorodifluoromethane (Freon 12)	0.53	0.20		2.6	0.99	4	4/28/22 17:33	TPH
1,1-Dichloroethane	ND	0.20		ND	0.81	4	4/28/22 17:33	TPH
1,2-Dichloroethane	0.24	0.20		0.97	0.81	4	4/28/22 17:33	TPH
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	4/28/22 17:33	TPH
cis-1,2-Dichloroethylene	38	0.20		150	0.79	4	4/28/22 17:33	TPH
trans-1,2-Dichloroethylene	0.23	0.20		0.92	0.79	4	4/28/22 17:33	TPH
1,2-Dichloropropane	0.84	0.20		3.9	0.92	4	4/28/22 17:33	TPH
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	4/28/22 17:33	TPH
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	4/28/22 17:33	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	4/28/22 17:33	TPH
1,4-Dioxane	ND	2.0		ND	7.2	4	4/28/22 17:33	TPH
Ethanol	180	8.0		330	15	4	4/28/22 17:33	TPH
Ethyl Acetate	ND	2.0		ND	7.2	4	4/28/22 17:33	TPH
Ethylbenzene	ND	0.20		ND	0.87	4	4/28/22 17:33	TPH
4-Ethyltoluene	ND	0.20		ND	0.98	4	4/28/22 17:33	TPH
Heptane	ND	0.20		ND	0.82	4	4/28/22 17:33	TPH
Hexachlorobutadiene	ND	0.20		ND	2.1	4	4/28/22 17:33	TPH

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ANALYTICAL RESULTS

Project Location: 110 Cattermill Rd., Great Neck, N
Date Received: 4/27/2022
Field Sample #: SVE-Inf
Sample ID: 22D2005-01
Sample Matrix: Air
Sampled: 4/26/2022 08:15

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

Work Order: 22D2005
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	8.0		ND	28	4	4/28/22 17:33	TPH
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	4/28/22 17:33	TPH
Isopropanol	ND	8.0		ND	20	4	4/28/22 17:33	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	4/28/22 17:33	TPH
Methylene Chloride	ND	2.0		ND	6.9	4	4/28/22 17:33	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	4/28/22 17:33	TPH
Naphthalene	ND	0.20		ND	1.0	4	4/28/22 17:33	TPH
Propene	ND	8.0		ND	14	4	4/28/22 17:33	TPH
Styrene	ND	0.20		ND	0.85	4	4/28/22 17:33	TPH
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	4/28/22 17:33	TPH
Tetrachloroethylene	460	1.0		3100	6.8	20	4/29/22 21:08	BRF
Tetrahydrofuran	3.4	2.0		10	5.9	4	4/28/22 17:33	TPH
Toluene	6.2	0.20		23	0.75	4	4/28/22 17:33	TPH
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	4/28/22 17:33	TPH
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	4/28/22 17:33	TPH
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	4/28/22 17:33	TPH
Trichloroethylene	25	0.20		140	1.1	4	4/28/22 17:33	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	4/28/22 17:33	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	4/28/22 17:33	TPH
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	4/28/22 17:33	TPH
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	4/28/22 17:33	TPH
Vinyl Acetate	ND	4.0		ND	14	4	4/28/22 17:33	TPH
Vinyl Chloride	ND	0.20		ND	0.51	4	4/28/22 17:33	TPH
m&p-Xylene	ND	0.40		ND	1.7	4	4/28/22 17:33	TPH
o-Xylene	ND	0.20		ND	0.87	4	4/28/22 17:33	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	78.7	70-130	4/29/22 21:08
4-Bromofluorobenzene (1)	104	70-130	4/28/22 17:33

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ANALYTICAL RESULTS

Project Location: 110 Cattermill Rd., Great Neck, N
Date Received: 4/27/2022
Field Sample #: SVE-Eff
Sample ID: 22D2005-02
Sample Matrix: Air
Sampled: 4/26/2022 08:26

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

Work Order: 22D2005
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	14	8.0		33	19	4	4/28/22 18:13	TPH
Benzene	ND	0.20		ND	0.64	4	4/28/22 18:13	TPH
Benzyl chloride	ND	0.20		ND	1.0	4	4/28/22 18:13	TPH
Bromodichloromethane	ND	0.20		ND	1.3	4	4/28/22 18:13	TPH
Bromoform	ND	0.20		ND	2.1	4	4/28/22 18:13	TPH
Bromomethane	ND	0.20		ND	0.78	4	4/28/22 18:13	TPH
1,3-Butadiene	ND	0.20		ND	0.44	4	4/28/22 18:13	TPH
2-Butanone (MEK)	ND	8.0		ND	24	4	4/28/22 18:13	TPH
Carbon Disulfide	ND	2.0		ND	6.2	4	4/28/22 18:13	TPH
Carbon Tetrachloride	ND	0.20		ND	1.3	4	4/28/22 18:13	TPH
Chlorobenzene	ND	0.20		ND	0.92	4	4/28/22 18:13	TPH
Chloroethane	ND	0.20		ND	0.53	4	4/28/22 18:13	TPH
Chloroform	ND	0.20		ND	0.98	4	4/28/22 18:13	TPH
Chloromethane	ND	0.40		ND	0.83	4	4/28/22 18:13	TPH
Cyclohexane	ND	0.20		ND	0.69	4	4/28/22 18:13	TPH
Dibromochloromethane	ND	0.20		ND	1.7	4	4/28/22 18:13	TPH
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	4/28/22 18:13	TPH
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 18:13	TPH
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 18:13	TPH
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	4/28/22 18:13	TPH
Dichlorodifluoromethane (Freon 12)	0.62	0.20		3.1	0.99	4	4/28/22 18:13	TPH
1,1-Dichloroethane	ND	0.20		ND	0.81	4	4/28/22 18:13	TPH
1,2-Dichloroethane	0.22	0.20		0.89	0.81	4	4/28/22 18:13	TPH
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	4/28/22 18:13	TPH
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	4/28/22 18:13	TPH
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	4/28/22 18:13	TPH
1,2-Dichloropropane	0.50	0.20		2.3	0.92	4	4/28/22 18:13	TPH
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	4/28/22 18:13	TPH
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	4/28/22 18:13	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	4/28/22 18:13	TPH
1,4-Dioxane	ND	2.0		ND	7.2	4	4/28/22 18:13	TPH
Ethanol	410	8.0		760	15	4	4/28/22 18:13	TPH
Ethyl Acetate	ND	2.0		ND	7.2	4	4/28/22 18:13	TPH
Ethylbenzene	ND	0.20		ND	0.87	4	4/28/22 18:13	TPH
4-Ethyltoluene	ND	0.20		ND	0.98	4	4/28/22 18:13	TPH
Heptane	0.22	0.20		0.92	0.82	4	4/28/22 18:13	TPH
Hexachlorobutadiene	ND	0.20		ND	2.1	4	4/28/22 18:13	TPH

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ANALYTICAL RESULTS

Project Location: 110 Cattermill Rd., Great Neck, N
Date Received: 4/27/2022
Field Sample #: SVE-Eff
Sample ID: 22D2005-02
Sample Matrix: Air
Sampled: 4/26/2022 08:26

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

Work Order: 22D2005
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	8.0		ND	28	4	4/28/22 18:13	TPH
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	4/28/22 18:13	TPH
Isopropanol	21	8.0		51	20	4	4/28/22 18:13	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	4/28/22 18:13	TPH
Methylene Chloride	ND	2.0		ND	6.9	4	4/28/22 18:13	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	4/28/22 18:13	TPH
Naphthalene	ND	0.20		ND	1.0	4	4/28/22 18:13	TPH
Propene	ND	8.0		ND	14	4	4/28/22 18:13	TPH
Styrene	0.48	0.20		2.0	0.85	4	4/28/22 18:13	TPH
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	4/28/22 18:13	TPH
Tetrachloroethylene	0.28	0.20		1.9	1.4	4	4/28/22 18:13	TPH
Tetrahydrofuran	2.2	2.0		6.6	5.9	4	4/28/22 18:13	TPH
Toluene	5.0	0.20		19	0.75	4	4/28/22 18:13	TPH
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	4/28/22 18:13	TPH
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	4/28/22 18:13	TPH
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	4/28/22 18:13	TPH
Trichloroethylene	ND	0.20		ND	1.1	4	4/28/22 18:13	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	4/28/22 18:13	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	4/28/22 18:13	TPH
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	4/28/22 18:13	TPH
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	4/28/22 18:13	TPH
Vinyl Acetate	ND	4.0		ND	14	4	4/28/22 18:13	TPH
Vinyl Chloride	ND	0.20		ND	0.51	4	4/28/22 18:13	TPH
m&p-Xylene	0.50	0.40		2.2	1.7	4	4/28/22 18:13	TPH
o-Xylene	0.26	0.20		1.1	0.87	4	4/28/22 18:13	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	4/28/22 18:13

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Sample Extraction Data

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22D2005-01 [SVE-Inf]	B307212	1	1	N/A	1000	400	100	04/28/22
22D2005-02 [SVE-Eff]	B307212	1	1	N/A	1000	400	100	04/28/22

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22D2005-01RE1 [SVE-Inf]	B307322	1	1	N/A	1000	200	10	04/29/22

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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 B307212 - TO-15 Prep											
Blank (B307212-BLK1)					Prepared & Analyzed: 04/28/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B307212 - TO-15 Prep												
Blank (B307212-BLK1)					Prepared & Analyzed: 04/28/22							
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.35										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	ND	0.035										
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*8.28*				*8.00*		*103*		*70-130*			
LCS (B307212-BS1)					Prepared & Analyzed: 04/28/22							
Acetone	5.44				5.00		109		70-130			
Benzene	4.41				5.00		88.2		70-130			
Benzyl chloride	5.53				5.00		111		70-130			
Bromodichloromethane	4.53				5.00		90.7		70-130			
Bromoform	6.58				5.00		**132**	*	70-130			L-01
Bromomethane	7.45				5.00		**149**	*	70-130			L-01, V-20
1,3-Butadiene	5.65				5.00		113		70-130			
2-Butanone (MEK)	4.78				5.00		95.5		70-130			
Carbon Disulfide	5.80				5.00		116		70-130			
Carbon Tetrachloride	5.09				5.00		102		70-130			
Chlorobenzene	4.96				5.00		99.1		70-130			
Chloroethane	6.39				5.00		128		70-130			
Chloroform	5.27				5.00		105		70-130			
Chloromethane	5.62				5.00		112		70-130			
Cyclohexane	4.13				5.00		82.6		70-130			
Dibromochloromethane	5.52				5.00		110		70-130			
1,2-Dibromoethane (EDB)	4.78				5.00		95.6		70-130			
1,2-Dichlorobenzene	5.48				5.00		110		70-130			
1,3-Dichlorobenzene	5.67				5.00		113		70-130			
1,4-Dichlorobenzene	5.57				5.00		111		70-130			
Dichlorodifluoromethane (Freon 12)	6.14				5.00		123		70-130			
1,1-Dichloroethane	5.03				5.00		101		70-130			
1,2-Dichloroethane	4.91				5.00		98.2		70-130			
1,1-Dichloroethylene	5.11				5.00		102		70-130			
cis-1,2-Dichloroethylene	4.67				5.00		93.3		70-130			
trans-1,2-Dichloroethylene	4.76				5.00		95.2		70-130			
1,2-Dichloropropane	4.00				5.00		79.9		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 B307212 - TO-15 Prep												
LCS (B307212-BS1)					Prepared & Analyzed: 04/28/22							
cis-1,3-Dichloropropene	3.99				5.00		79.8		70-130			
trans-1,3-Dichloropropene	4.17				5.00		83.5		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	6.61				5.00		**132**	*	70-130			L-05
1,4-Dioxane	4.68				5.00		93.6		70-130			
Ethanol	4.80				5.00		96.0		70-130			
Ethyl Acetate	5.58				5.00		112		70-130			
Ethylbenzene	4.75				5.00		95.0		70-130			
4-Ethyltoluene	5.16				5.00		103		70-130			
Heptane	4.06				5.00		81.2		70-130			
Hexachlorobutadiene	5.32				5.00		106		70-130			
Hexane	5.10				5.00		102		70-130			
2-Hexanone (MBK)	4.14				5.00		82.8		70-130			
Isopropanol	4.52				5.00		90.4		70-130			
Methyl tert-Butyl Ether (MTBE)	4.99				5.00		99.8		70-130			
Methylene Chloride	4.79				5.00		95.9		70-130			
4-Methyl-2-pentanone (MIBK)	4.00				5.00		79.9		70-130			
Naphthalene	4.84				5.00		96.8		70-130			
Propene	5.39				5.00		108		70-130			
Styrene	4.91				5.00		98.1		70-130			
1,1,2,2-Tetrachloroethane	4.67				5.00		93.4		70-130			
Tetrachloroethylene	5.09				5.00		102		70-130			
Tetrahydrofuran	5.07				5.00		101		70-130			
Toluene	4.75				5.00		94.9		70-130			
1,2,4-Trichlorobenzene	5.29				5.00		106		70-130			
1,1,1-Trichloroethane	4.34				5.00		86.9		70-130			
1,1,2-Trichloroethane	4.79				5.00		95.9		70-130			
Trichloroethylene	4.34				5.00		86.9		70-130			
Trichlorofluoromethane (Freon 11)	6.67				5.00		**133**	*	70-130			L-05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.02				5.00		120		70-130			
1,2,4-Trimethylbenzene	4.98				5.00		99.6		70-130			
1,3,5-Trimethylbenzene	5.05				5.00		101		70-130			
Vinyl Acetate	4.41				5.00		88.2		70-130			
Vinyl Chloride	6.01				5.00		120		70-130			
m&p-Xylene	9.63				10.0		96.3		70-130			
o-Xylene	4.89				5.00		97.7		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.68*				*8.00*		*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 B307322 - TO-15 Prep											
Blank (B307322-BLK1)					Prepared & Analyzed: 04/29/22						
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									L-05, V-06
Ethyl Acetate	ND	0.20									L-03, V-05,
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									L-03
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									V-05
Propene	ND	0.80									

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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 B307322 - TO-15 Prep											
Blank (B307322-BLK1)					Prepared & Analyzed: 04/29/22						
Styrene	ND	0.020									
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									L-03, V-04,
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)	*7.02*				*8.00*		*87.7*	*70-130*			
LCS (B307322-BS1)					Prepared & Analyzed: 04/29/22						
Acetone	4.06				5.00		81.3	70-130			
Benzene	5.05				5.00		101	70-130			
Benzyl chloride	4.30				5.00		86.0	70-130			
Bromodichloromethane	5.05				5.00		101	70-130			
Bromoform	5.45				5.00		109	70-130			
Bromomethane	5.14				5.00		103	70-130			
1,3-Butadiene	4.79				5.00		95.8	70-130			
2-Butanone (MEK)	4.04				5.00		80.8	70-130			
Carbon Disulfide	4.42				5.00		88.4	70-130			
Carbon Tetrachloride	4.76				5.00		95.3	70-130			
Chlorobenzene	5.29				5.00		106	70-130			
Chloroethane	5.49				5.00		110	70-130			
Chloroform	4.75				5.00		94.9	70-130			
Chloromethane	4.89				5.00		97.8	70-130			
Cyclohexane	4.77				5.00		95.3	70-130			
Dibromochloromethane	5.36				5.00		107	70-130			
1,2-Dibromoethane (EDB)	5.36				5.00		107	70-130			
1,2-Dichlorobenzene	5.00				5.00		100	70-130			
1,3-Dichlorobenzene	5.39				5.00		108	70-130			
1,4-Dichlorobenzene	4.93				5.00		98.6	70-130			
Dichlorodifluoromethane (Freon 12)	4.72				5.00		94.3	70-130			
1,1-Dichloroethane	4.80				5.00		96.0	70-130			
1,2-Dichloroethane	4.44				5.00		88.7	70-130			
1,1-Dichloroethylene	4.55				5.00		90.9	70-130			
cis-1,2-Dichloroethylene	4.51				5.00		90.2	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 B307322 - TO-15 Prep												
LCS (B307322-BS1)					Prepared & Analyzed: 04/29/22							
trans-1,2-Dichloroethylene	4.59				5.00		91.8		70-130			
1,2-Dichloropropane	5.03				5.00		101		70-130			
cis-1,3-Dichloropropene	4.98				5.00		99.6		70-130			
trans-1,3-Dichloropropene	4.82				5.00		96.5		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.75				5.00		95.0		70-130			
1,4-Dioxane	4.82				5.00		96.4		70-130			
Ethanol	6.78				5.00		**136**	*	70-130			L-05, V-06
Ethyl Acetate	2.95				5.00		**59.0**	*	70-130			L-03, V-05,
Ethylbenzene	4.95				5.00		99.0		70-130			
4-Ethyltoluene	4.89				5.00		97.8		70-130			
Heptane	4.95				5.00		99.0		70-130			
Hexachlorobutadiene	3.55				5.00		71.0		70-130			
Hexane	4.68				5.00		93.6		70-130			
2-Hexanone (MBK)	5.04				5.00		101		70-130			
Isopropanol	3.40				5.00		**68.1**	*	70-130			L-03
Methyl tert-Butyl Ether (MTBE)	3.87				5.00		77.4		70-130			
Methylene Chloride	4.11				5.00		82.3		70-130			
4-Methyl-2-pentanone (MIBK)	5.06				5.00		101		70-130			
Naphthalene	3.59				5.00		71.7		70-130			V-05
Propene	5.20				5.00		104		70-130			
Styrene	5.08				5.00		102		70-130			
1,1,2,2-Tetrachloroethane	5.74				5.00		115		70-130			
Tetrachloroethylene	4.79				5.00		95.8		70-130			
Tetrahydrofuran	3.83				5.00		76.6		70-130			
Toluene	5.02				5.00		100		70-130			
1,2,4-Trichlorobenzene	2.90				5.00		**57.9**	*	70-130			L-03, V-04,
1,1,1-Trichloroethane	4.47				5.00		89.3		70-130			
1,1,2-Trichloroethane	5.44				5.00		109		70-130			
Trichloroethylene	4.80				5.00		96.0		70-130			
Trichlorofluoromethane (Freon 11)	4.64				5.00		92.7		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.60				5.00		91.9		70-130			
1,2,4-Trimethylbenzene	4.65				5.00		93.1		70-130			
1,3,5-Trimethylbenzene	5.06				5.00		101		70-130			
Vinyl Acetate	5.95				5.00		119		70-130			V-36
Vinyl Chloride	5.33				5.00		107		70-130			
m&p-Xylene	10.5				10.0		105		70-130			
o-Xylene	5.17				5.00		103		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.69*				*8.00*		*96.1*		*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-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
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-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" 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 (S062606-ICV1)			Lab File ID: J21A232023.D			Analyzed: 08/21/21 02:04			
Bromochloromethane (1)	152325	2.866	150879	2.863	101	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	700372	3.471	694423	3.468	101	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	652377	5.056	641566	5.057	102	60 - 140	-0.0010	+/-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
Initial Cal Check (S070426-ICV1)			Lab File ID: G22A104022.D			Analyzed: 04/15/22 00:54			
Bromochloromethane (1)	1864849	8.485	1814308	8.485	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3396119	10.259	3274776	10.259	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3122096	14.63	3056122	14.63	102	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 (S070970-CCV1)			Lab File ID: G22A118004.D			Analyzed: 04/28/22 11:23			
Bromochloromethane (1)	1485980	8.485	1814308	8.485	82	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3282219	10.259	3274776	10.259	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2937711	14.63	3056122	14.63	96	60 - 140	0.0000	+/-0.50	
LCS (B307212-BS1)			Lab File ID: G22A118005.D			Analyzed: 04/28/22 12:03			
Bromochloromethane (1)	1495167	8.485	1485980	8.485	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3342145	10.259	3282219	10.259	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3019777	14.63	2937711	14.63	103	60 - 140	0.0000	+/-0.50	
Blank (B307212-BLK1)			Lab File ID: G22A118010.D			Analyzed: 04/28/22 15:32			
Bromochloromethane (1)	1426137	8.491	1485980	8.485	96	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3139899	10.259	3282219	10.259	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2816295	14.63	2937711	14.63	96	60 - 140	0.0000	+/-0.50	
SVE-Inf (22D2005-01)			Lab File ID: G22A118013.D			Analyzed: 04/28/22 17:33			
Bromochloromethane (1)	1463888	8.485	1485980	8.485	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3196052	10.259	3282219	10.259	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2930795	14.63	2937711	14.63	100	60 - 140	0.0000	+/-0.50	
SVE-Eff (22D2005-02)			Lab File ID: G22A118014.D			Analyzed: 04/28/22 18:13			
Bromochloromethane (1)	1474636	8.485	1485980	8.485	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3256949	10.259	3282219	10.259	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2956864	14.63	2937711	14.63	101	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

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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
Calibration Check (S071029-CCV1)			Lab File ID: J22A119004.D			Analyzed: 04/29/22 08:18			
Bromochloromethane (1)	148771	2.854	150879	2.863	99	60 - 140	-0.0090	+/-0.50	
1,4-Difluorobenzene (1)	632820	3.462	694423	3.468	91	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	560025	5.05	641566	5.057	87	60 - 140	-0.0070	+/-0.50	
LCS (B307322-BS1)			Lab File ID: J22A119005.D			Analyzed: 04/29/22 08:43			
Bromochloromethane (1)	145866	2.857	148771	2.854	98	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	629042	3.465	632820	3.462	99	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	543878	5.054	560025	5.05	97	60 - 140	0.0040	+/-0.50	
Blank (B307322-BLK1)			Lab File ID: J22A119009.D			Analyzed: 04/29/22 10:29			
Bromochloromethane (1)	144801	2.844	148771	2.854	97	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	583782	3.456	632820	3.462	92	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	516504	5.047	560025	5.05	92	60 - 140	-0.0030	+/-0.50	
SVE-Inf (22D2005-01RE1)			Lab File ID: J22A119032.D			Analyzed: 04/29/22 21:08			
Bromochloromethane (1)	140278	2.844	148771	2.854	94	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	565706	3.456	632820	3.462	89	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	509590	5.05	560025	5.05	91	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S070970-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.98	0.9627142	0.9586272		-0.4	30	
Benzene	A	5.00	3.97	0.9673924	0.7676377		-20.6	30	
Benzyl chloride	A	5.00	5.04	1.020517	1.029208		0.9	30	
Bromodichloromethane	A	5.00	4.08	0.7088833	0.579156		-18.3	30	
Bromoform	A	5.00	6.02	0.4161769	0.5007763		20.3	30	
Bromomethane	A	5.00	6.70	0.3787841	0.5078324		34.1	30	*
1,3-Butadiene	A	5.00	5.34	0.4187761	0.4471016		6.8	30	
2-Butanone (MEK)	A	5.00	4.17	1.530296	1.275756		-16.6	30	
Carbon Disulfide	A	5.00	4.97	1.573446	1.56443		-0.6	30	
Carbon Tetrachloride	A	5.00	4.60	0.5079007	0.4671615		-8.0	30	
Chlorobenzene	A	5.00	4.57	0.8200497	0.7497184		-8.6	30	
Chloroethane	A	5.00	5.55	0.2543488	0.282435		11.0	30	
Chloroform	A	5.00	4.75	1.27954	1.216502		-4.9	30	
Chloromethane	A	5.00	5.15	0.5506086	0.5666607		2.9	30	
Cyclohexane	A	5.00	3.63	0.4116652	0.2990811		-27.3	30	
Dibromochloromethane	A	5.00	5.03	0.5601445	0.5630457		0.5	30	
1,2-Dibromoethane (EDB)	A	5.00	4.45	0.597506	0.5314636		-11.1	30	
1,2-Dichlorobenzene	A	5.00	5.02	0.6077766	0.6108593		0.5	30	
1,3-Dichlorobenzene	A	5.00	5.19	0.6641816	0.6896569		3.8	30	
1,4-Dichlorobenzene	A	5.00	5.05	0.6520986	0.6584631		1.0	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	5.31	1.22902	1.305843		6.3	30	
1,1-Dichloroethane	A	5.00	4.45	1.204909	1.071385		-11.1	30	
1,2-Dichloroethane	A	5.00	4.36	0.8878476	0.7748917		-12.7	30	
1,1-Dichloroethylene	A	5.00	4.52	1.020229	0.9227021		-9.6	30	
cis-1,2-Dichloroethylene	A	5.00	4.17	0.9049676	0.7545857		-16.6	30	
trans-1,2-Dichloroethylene	A	5.00	4.24	0.925489	0.7841225		-15.3	30	
1,2-Dichloropropane	A	5.00	3.58	0.4332879	0.3100108		-28.5	30	
cis-1,3-Dichloropropene	A	5.00	3.71	0.5982938	0.4439065		-25.8	30	
trans-1,3-Dichloropropene	A	5.00	3.72	0.5325488	0.396094		-25.6	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	6.38	1.144034	1.45911		27.5	30	
1,4-Dioxane	A	5.00	4.01	0.186424	0.1494106		-19.9	30	
Ethanol	A	5.00	5.14	0.1988086	0.2042289		2.7	30	
Ethyl Acetate	A	5.00	4.73	0.1966074	0.1861667		-5.3	30	
Ethylbenzene	A	5.00	4.32	1.461224	1.26316		-13.6	30	
4-Ethyltoluene	A	5.00	4.60	1.416927	1.305071		-7.9	30	
Heptane	A	5.00	3.67	0.3500786	0.2567955		-26.6	30	
Hexachlorobutadiene	A	5.00	5.25	0.3611528	0.3788925		4.9	30	
Hexane	A	5.00	4.49	0.8594496	0.7442157		-10.2	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S070970-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	3.76	0.9888817	0.7428151		-24.9	30
Isopropanol	A	5.00	4.96	1.152415	1.142961		-0.8	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.41	1.586632	1.398819		-11.8	30
Methylene Chloride	A	5.00	4.34	0.8371906	0.727423		-13.1	30
4-Methyl-2-pentanone (MIBK)	A	5.00	3.65	0.9980745	0.7278339		-27.1	30
Naphthalene	A	5.00	4.54	1.038849	0.9436267		-9.2	30
Propene	A	5.00	5.06	0.5367406	0.5430975		1.2	30
Styrene	A	5.00	4.39	0.8178933	0.7186564		-12.1	30
1,1,2,2-Tetrachloroethane	A	5.00	4.35	0.9927304	0.8645588		-12.9	30
Tetrachloroethylene	A	5.00	4.62	0.4134848	0.38185		-7.7	30
Tetrahydrofuran	A	5.00	4.48	0.2687059	0.2406407		-10.4	30
Toluene	A	5.00	4.26	1.150729	0.9814509		-14.7	30
1,2,4-Trichlorobenzene	A	5.00	5.15	0.4001094	0.4121353		3.0	30
1,1,1-Trichloroethane	A	5.00	4.08	0.6090453	0.4971037		-18.4	30
1,1,2-Trichloroethane	A	5.00	4.30	0.4085413	0.3512656		-14.0	30
Trichloroethylene	A	5.00	3.93	0.4149349	0.3263032		-21.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.04	1.067097	1.290119		20.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.42	1.019497	1.105053		8.4	30
1,2,4-Trimethylbenzene	A	5.00	4.58	1.162167	1.063587		-8.5	30
1,3,5-Trimethylbenzene	A	5.00	4.58	1.19084	1.090106		-8.5	30
Vinyl Acetate	A	5.00	4.14	1.948888	1.612446		-17.3	30
Vinyl Chloride	A	5.00	5.41	0.5517783	0.5973206		8.3	30
m&p-Xylene	A	10.0	8.81	1.138071	1.002952		-11.9	30
o-Xylene	A	5.00	4.41	1.176972	1.038725		-11.7	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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CONTINUING CALIBRATION CHECK

EPA TO-15

S071029-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	3.76	1.013483	0.7622776		-24.8	30	
Benzene	A	5.00	5.09	0.5773346	0.5882292		1.9	30	
Benzyl chloride	A	5.00	3.91	0.5662092	0.442526		-21.8	30	
Bromodichloromethane	A	5.00	4.70	0.4493554	0.4224038		-6.0	30	
Bromoform	A	5.00	4.97	0.6972692	0.6936633		-0.5	30	
Bromomethane	A	5.00	4.70	0.795872	0.7479415		-6.0	30	
1,3-Butadiene	A	5.00	4.53	0.4907101	0.4447426		-9.4	30	
2-Butanone (MEK)	A	5.00	3.89	1.40087	1.088804		-22.3	30	
Carbon Disulfide	A	5.00	3.84	1.998984	1.535288		-23.2	30	
Carbon Tetrachloride	A	5.00	4.49	0.5188025	0.4662861		-10.1	30	
Chlorobenzene	A	5.00	4.84	0.7193	0.6963946		-3.2	30	
Chloroethane	A	5.00	5.02	0.3795632	0.3808484		0.3	30	
Chloroform	A	5.00	4.42	1.888134	1.670358		-11.5	30	
Chloromethane	A	5.00	4.57	0.5417118	0.4951933		-8.6	30	
Cyclohexane	A	5.00	4.37	0.265344	0.2320609		-12.5	30	
Dibromochloromethane	A	5.00	5.00	0.6098379	0.6093442		-0.08	30	
1,2-Dibromoethane (EDB)	A	5.00	4.90	0.4553549	0.4460172		-2.1	30	
1,2-Dichlorobenzene	A	5.00	4.58	0.757862	0.6941833		-8.4	30	
1,3-Dichlorobenzene	A	5.00	4.90	0.7367625	0.7216621		-2.0	30	
1,4-Dichlorobenzene	A	5.00	4.44	0.7493582	0.6646446		-11.3	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.36	2.185662	1.904317		-12.9	30	
1,1-Dichloroethane	A	5.00	4.33	1.41636	1.227616		-13.3	30	
1,2-Dichloroethane	A	5.00	3.97	1.131436	0.8979815		-20.6	30	
1,1-Dichloroethylene	A	5.00	4.04	1.038306	0.8390237		-19.2	30	
cis-1,2-Dichloroethylene	A	5.00	4.27	1.058854	0.9048107		-14.5	30	
trans-1,2-Dichloroethylene	A	5.00	4.18	1.144971	0.9578641		-16.3	30	
1,2-Dichloropropane	A	5.00	4.60	0.2035658	0.187276		-8.0	30	
cis-1,3-Dichloropropene	A	5.00	4.69	0.3153762	0.2956013		-6.3	30	
trans-1,3-Dichloropropene	A	5.00	4.50	0.2855395	0.257246		-9.9	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.68	2.0897	1.957338		-6.3	30	
1,4-Dioxane	A	5.00	4.40	0.1348394	0.1185399		-12.1	30	
Ethanol	A	5.00	6.91	0.1363511	0.1884883		38.2	30	*
Ethyl Acetate	A	5.00	2.58	0.2996362	0.1546753		-48.4	30	*
Ethylbenzene	A	5.00	4.50	1.068394	0.9616628		-10.0	30	
4-Ethyltoluene	A	5.00	4.51	1.191921	1.074201		-9.9	30	
Heptane	A	5.00	4.67	0.1598388	0.1494062		-6.5	30	
Hexachlorobutadiene	A	5.00	3.56	1.05506	0.751655		-28.8	30	
Hexane	L	5.00	4.15	0.7820405	0.5980305		-17.0	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S071029-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	4.69	0.3105363	0.2913441		-6.2	30	
Isopropanol	A	5.00	3.88	1.087458	0.8428094		-22.5	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	3.58	2.400388	1.721099		-28.3	30	
Methylene Chloride	A	5.00	3.72	0.6720844	0.5001835		-25.6	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	4.71	0.141787	0.1334446		-5.9	30	
Naphthalene	A	5.00	3.47	1.049522	0.7278846		-30.6	30	*
Propene	A	5.00	4.86	0.4575591	0.444463		-2.9	30	
Styrene	A	5.00	4.70	0.6387272	0.6004589		-6.0	30	
1,1,2,2-Tetrachloroethane	A	5.00	5.39	0.5691929	0.6133869		7.8	30	
Tetrachloroethylene	A	5.00	4.49	0.5934671	0.5332219		-10.2	30	
Tetrahydrofuran	A	5.00	3.59	0.811293	0.5832212		-28.1	30	
Toluene	A	5.00	4.54	0.8381161	0.7610632		-9.2	30	
1,2,4-Trichlorobenzene	A	5.00	2.87	0.5285083	0.3033265		-42.6	30	*
1,1,1-Trichloroethane	A	5.00	4.38	0.4533588	0.3975323		-12.3	30	
1,1,2-Trichloroethane	A	5.00	4.86	0.2953724	0.2873415		-2.7	30	
Trichloroethylene	A	5.00	4.65	0.2950588	0.2742012		-7.1	30	
Trichlorofluoromethane (Freon 11)	A	5.00	4.25	2.216429	1.884744		-15.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.22	1.637043	1.381764		-15.6	30	
1,2,4-Trimethylbenzene	A	5.00	4.31	1.051818	0.9069424		-13.8	30	
1,3,5-Trimethylbenzene	A	5.00	4.62	1.056033	0.9748908		-7.7	30	
Vinyl Acetate	A	5.00	5.72	1.072956	1.227497		14.4	30	
Vinyl Chloride	A	5.00	4.92	0.6636142	0.652525		-1.7	30	
m&p-Xylene	A	10.0	9.79	0.8662275	0.8477979		-2.1	30	
o-Xylene	A	5.00	4.72	0.8477905	0.8006243		-5.6	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	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22D2005

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CHAIN OF CUSTODY RECORD

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Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	HRP Associates
Address:	192 Scott Swamp Rd Farmington, CT
Phone:	
Project Name:	NYS site #130072
Project Location:	110 Cutterrill Rd Great Neck, NY
Project Number:	DEC 10030m
Project Manager:	Dave Feinson
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Dave Adam

Regulated Compliance Time
7-Day [X] 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 [ ] Cellar

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	TO-15 low level
01	SVE - INF	4/26/22	8:15A	grab	A						1	X
02	SVE - EFF	4/26/22	8:26A	↓	↓						1	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

[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)

Relinquished by: (signature)	Date/Time: 4/27/22 15:19	Client Comments: Tedlar bags NYS project site #130072 Bill directly to NYSDEC p.m. Payson Long Pace lab PM Buddy Beanes
Received by: (signature)	Date/Time: 4/27/22 3:00 pm	
Relinquished by: (signature)	Date/Time: 4/27/22 6pm	
Received by: (signature)	Date/Time: 4/27/22 8:00	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
RL
Criteria

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

Lab Comments:

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

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client HRP

Received By PLF Date 4/27/22 Time 1800

How were the samples received? In Cooler ____ On Ice ____ No Ice ____ In Box T Ambient ____ Melted Ice ____

Were samples within Temperature Compliance? 2-6°C NA By Gun # ____ Actual Temp - ____ By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ____

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? NA

Are there Trip Blanks? F Is there enough Volume? T

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

Can #'s					Reg #'s				
Unused Media					Pufs/TO-17's				

Comments:

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June 8, 2022

David Feinson
NYDEC_HRP Associates, Inc. - Farmington, CT
197 Scott Swamp Road
Farmington, CT 06032

Project Location: 110 Cuttermill Rd., Great Neck, NY
Client Job Number:
Project Number: 130072
Laboratory Work Order Number: 22E1991

Enclosed are results of analyses for samples as received by the laboratory on May 27, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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NYDEC_HRP Associates, Inc. - Farmington, CT
197 Scott Swamp Road
Farmington, CT 06032
ATTN: David Feinson

REPORT DATE: 6/8/2022

PURCHASE ORDER NUMBER: 141716

PROJECT NUMBER: 130072

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22E1991

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 Cuttermill Rd., Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-Inf	22E1991-01	Air		EPA TO-15	
SVE-Eff	22E1991-02	Air		EPA TO-15	

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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:

A-09

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

Analyte & Samples(s) Qualified:

22E1991-01[SVE-Inf], 22E1991-02[SVE-Eff], 22E1991-02RE1[SVE-Eff]

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
22E1991-01[SVE-Inf], 22E1991-02[SVE-Eff], B310207-BLK1, B310207-BS1, S072440-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.

Lisa A. Worthington
Technical Representative

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ANALYTICAL RESULTS

Project Location: 110 Cuttermill Rd., Great Neck, N
Date Received: 5/27/2022
Field Sample #: SVE-Inf
Sample ID: 22E1991-01
Sample Matrix: Air
Sampled: 5/26/2022 07:04

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

Work Order: 22E1991
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	9.8	8.0		23	19	4	6/6/22 17:12	BRF
Benzene	0.28	0.20		0.88	0.64	4	6/6/22 17:12	BRF
Benzyl chloride	ND	0.20		ND	1.0	4	6/6/22 17:12	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/6/22 17:12	BRF
Bromoform	ND	0.20		ND	2.1	4	6/6/22 17:12	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/6/22 17:12	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/6/22 17:12	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/6/22 17:12	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/6/22 17:12	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/6/22 17:12	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/6/22 17:12	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/6/22 17:12	BRF
Chloroform	ND	0.20		ND	0.98	4	6/6/22 17:12	BRF
Chloromethane	0.53	0.40		1.1	0.83	4	6/6/22 17:12	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/6/22 17:12	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/6/22 17:12	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/6/22 17:12	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 17:12	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 17:12	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 17:12	BRF
Dichlorodifluoromethane (Freon 12)	0.62	0.20		3.1	0.99	4	6/6/22 17:12	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/6/22 17:12	BRF
1,2-Dichloroethane	0.35	0.20		1.4	0.81	4	6/6/22 17:12	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/6/22 17:12	BRF
cis-1,2-Dichloroethylene	32	0.20		120	0.79	4	6/6/22 17:12	BRF
trans-1,2-Dichloroethylene	0.25	0.20		1.00	0.79	4	6/6/22 17:12	BRF
1,2-Dichloropropane	1.3	0.20		6.0	0.92	4	6/6/22 17:12	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/6/22 17:12	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/6/22 17:12	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/6/22 17:12	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/6/22 17:12	BRF
Ethanol	260	40		480	75	20	6/6/22 17:50	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/6/22 17:12	BRF
Ethylbenzene	ND	0.20		ND	0.87	4	6/6/22 17:12	BRF
4-Ethyltoluene	ND	0.80		ND	3.9	4	6/6/22 17:12	BRF
Heptane	0.34	0.20		1.4	0.82	4	6/6/22 17:12	BRF
Hexachlorobutadiene	ND	0.20	V-05	ND	2.1	4	6/6/22 17:12	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cuttermill Rd., Great Neck, N
Date Received: 5/27/2022
Field Sample #: SVE-Inf
Sample ID: 22E1991-01
Sample Matrix: Air
Sampled: 5/26/2022 07:04

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

Work Order: 22E1991
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	8.0		ND	28	4	6/6/22 17:12	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/6/22 17:12	BRF
Isopropanol	8.9	8.0		22	20	4	6/6/22 17:12	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/6/22 17:12	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/6/22 17:12	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/6/22 17:12	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/6/22 17:12	BRF
Propene	ND	8.0		ND	14	4	6/6/22 17:12	BRF
Styrene	ND	0.80		ND	3.4	4	6/6/22 17:12	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/6/22 17:12	BRF
Tetrachloroethylene	510	1.0		3500	6.8	20	6/6/22 17:50	BRF
Tetrahydrofuran	2.8	2.0		8.4	5.9	4	6/6/22 17:12	BRF
Toluene	7.7	0.20		29	0.75	4	6/6/22 17:12	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/6/22 17:12	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/6/22 17:12	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/6/22 17:12	BRF
Trichloroethylene	22	0.20		120	1.1	4	6/6/22 17:12	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/6/22 17:12	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/6/22 17:12	BRF
1,2,4-Trimethylbenzene	ND	0.80		ND	3.9	4	6/6/22 17:12	BRF
1,3,5-Trimethylbenzene	ND	0.80		ND	3.9	4	6/6/22 17:12	BRF
Vinyl Acetate	ND	4.0		ND	14	4	6/6/22 17:12	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/6/22 17:12	BRF
m&p-Xylene	0.51	0.40		2.2	1.7	4	6/6/22 17:12	BRF
o-Xylene	ND	0.20		ND	0.87	4	6/6/22 17:12	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	6/6/22 17:50
4-Bromofluorobenzene (1)	97.1	70-130	6/6/22 17:12

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ANALYTICAL RESULTS

Project Location: 110 Cuttermill Rd., Great Neck, N
Date Received: 5/27/2022
Field Sample #: SVE-Eff
Sample ID: 22E1991-02
Sample Matrix: Air
Sampled: 5/26/2022 06:58

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

Work Order: 22E1991
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	8.4	8.0		20	19	4	6/6/22 18:30	BRF
Benzene	ND	0.20		ND	0.64	4	6/6/22 18:30	BRF
Benzyl chloride	ND	0.20		ND	1.0	4	6/6/22 18:30	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/6/22 18:30	BRF
Bromoform	ND	0.20		ND	2.1	4	6/6/22 18:30	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/6/22 18:30	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/6/22 18:30	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/6/22 18:30	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/6/22 18:30	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/6/22 18:30	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/6/22 18:30	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/6/22 18:30	BRF
Chloroform	ND	0.20		ND	0.98	4	6/6/22 18:30	BRF
Chloromethane	0.45	0.40		0.93	0.83	4	6/6/22 18:30	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/6/22 18:30	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/6/22 18:30	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/6/22 18:30	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 18:30	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 18:30	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/6/22 18:30	BRF
Dichlorodifluoromethane (Freon 12)	0.46	0.20		2.3	0.99	4	6/6/22 18:30	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/6/22 18:30	BRF
1,2-Dichloroethane	0.36	0.20		1.5	0.81	4	6/6/22 18:30	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/6/22 18:30	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/6/22 18:30	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/6/22 18:30	BRF
1,2-Dichloropropane	1.8	0.20		8.3	0.92	4	6/6/22 18:30	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/6/22 18:30	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/6/22 18:30	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/6/22 18:30	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/6/22 18:30	BRF
Ethanol	270	40		510	75	20	6/7/22 19:31	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/6/22 18:30	BRF
Ethylbenzene	ND	0.20		ND	0.87	4	6/6/22 18:30	BRF
4-Ethyltoluene	ND	0.80		ND	3.9	4	6/6/22 18:30	BRF
Heptane	0.30	0.20		1.2	0.82	4	6/6/22 18:30	BRF
Hexachlorobutadiene	ND	0.20	V-05	ND	2.1	4	6/6/22 18:30	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cuttermill Rd., Great Neck, N
Date Received: 5/27/2022
Field Sample #: SVE-Eff
Sample ID: 22E1991-02
Sample Matrix: Air
Sampled: 5/26/2022 06:58

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

Work Order: 22E1991
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	8.0		ND	28	4	6/6/22 18:30	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/6/22 18:30	BRF
Isopropanol	8.6	8.0		21	20	4	6/6/22 18:30	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/6/22 18:30	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/6/22 18:30	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/6/22 18:30	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/6/22 18:30	BRF
Propene	ND	8.0		ND	14	4	6/6/22 18:30	BRF
Styrene	ND	0.80		ND	3.4	4	6/6/22 18:30	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/6/22 18:30	BRF
Tetrachloroethylene	0.28	0.20		1.9	1.4	4	6/6/22 18:30	BRF
Tetrahydrofuran	ND	2.0		ND	5.9	4	6/6/22 18:30	BRF
Toluene	10	0.20		39	0.75	4	6/6/22 18:30	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/6/22 18:30	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/6/22 18:30	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/6/22 18:30	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/6/22 18:30	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/6/22 18:30	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/6/22 18:30	BRF
1,2,4-Trimethylbenzene	ND	0.80		ND	3.9	4	6/6/22 18:30	BRF
1,3,5-Trimethylbenzene	ND	0.80		ND	3.9	4	6/6/22 18:30	BRF
Vinyl Acetate	ND	4.0		ND	14	4	6/6/22 18:30	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/6/22 18:30	BRF
m&p-Xylene	0.55	0.40		2.4	1.7	4	6/6/22 18:30	BRF
o-Xylene	ND	0.20		ND	0.87	4	6/6/22 18:30	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	86.5	70-130	6/7/22 19:31
4-Bromofluorobenzene (1)	101	70-130	6/6/22 18:30

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Sample Extraction Data

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22E1991-01 [SVE-Inf]	B310207	1	1	N/A	1000	400	100	06/06/22
22E1991-01RE1 [SVE-Inf]	B310207	1	1	N/A	1000	400	20	06/06/22
22E1991-02 [SVE-Eff]	B310207	1	1	N/A	1000	400	100	06/06/22

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22E1991-02RE1 [SVE-Eff]	B310210	1	1	N/A	1000	200	10	06/07/22

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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 B310207 - TO-15 Prep											
Blank (B310207-BLK1)					Prepared & Analyzed: 06/06/22						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									V-05
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B310207 - TO-15 Prep											
Blank (B310207-BLK1)					Prepared & Analyzed: 06/06/22						
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.35									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.70									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.08*				*8.00*		*101*	*70-130*			
LCS (B310207-BS1)					Prepared & Analyzed: 06/06/22						
Acetone	4.89				5.00		97.8	70-130			
Benzene	4.65				5.00		93.0	70-130			
Benzyl chloride	5.32				5.00		106	70-130			
Bromodichloromethane	4.32				5.00		86.4	70-130			
Bromoform	4.63				5.00		92.7	70-130			
Bromomethane	5.04				5.00		101	70-130			
1,3-Butadiene	4.77				5.00		95.4	70-130			
2-Butanone (MEK)	4.82				5.00		96.4	70-130			
Carbon Disulfide	4.88				5.00		97.6	70-130			
Carbon Tetrachloride	4.76				5.00		95.2	70-130			
Chlorobenzene	4.36				5.00		87.2	70-130			
Chloroethane	4.69				5.00		93.8	70-130			
Chloroform	5.00				5.00		99.9	70-130			
Chloromethane	4.35				5.00		87.0	70-130			
Cyclohexane	5.37				5.00		107	70-130			
Dibromochloromethane	4.56				5.00		91.3	70-130			
1,2-Dibromoethane (EDB)	4.69				5.00		93.8	70-130			
1,2-Dichlorobenzene	4.95				5.00		99.0	70-130			
1,3-Dichlorobenzene	5.03				5.00		101	70-130			
1,4-Dichlorobenzene	5.18				5.00		104	70-130			
Dichlorodifluoromethane (Freon 12)	5.45				5.00		109	70-130			
1,1-Dichloroethane	4.71				5.00		94.2	70-130			
1,2-Dichloroethane	5.19				5.00		104	70-130			
1,1-Dichloroethylene	5.06				5.00		101	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
trans-1,2-Dichloroethylene	5.03				5.00		101	70-130			
1,2-Dichloropropane	4.31				5.00		86.1	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 B310207 - TO-15 Prep											
LCS (B310207-BS1)					Prepared & Analyzed: 06/06/22						
cis-1,3-Dichloropropene	4.88				5.00		97.5	70-130			
trans-1,3-Dichloropropene	5.25				5.00		105	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.81				5.00		96.2	70-130			
1,4-Dioxane	5.57				5.00		111	70-130			
Ethanol	5.22				5.00		104	70-130			
Ethyl Acetate	5.12				5.00		102	70-130			
Ethylbenzene	5.61				5.00		112	70-130			
4-Ethyltoluene	5.47				5.00		109	70-130			
Heptane	4.83				5.00		96.6	70-130			
Hexachlorobutadiene	3.85				5.00		77.0	70-130			V-05
Hexane	4.98				5.00		99.5	70-130			
2-Hexanone (MBK)	4.97				5.00		99.4	70-130			
Isopropanol	4.13				5.00		82.6	70-130			
Methyl tert-Butyl Ether (MTBE)	5.86				5.00		117	70-130			
Methylene Chloride	4.50				5.00		89.9	70-130			
4-Methyl-2-pentanone (MIBK)	4.71				5.00		94.2	70-130			
Naphthalene	5.48				5.00		110	70-130			
Propene	4.45				5.00		89.1	70-130			
Styrene	5.45				5.00		109	70-130			
1,1,2,2-Tetrachloroethane	4.12				5.00		82.3	70-130			
Tetrachloroethylene	4.83				5.00		96.6	70-130			
Tetrahydrofuran	5.77				5.00		115	70-130			
Toluene	5.47				5.00		109	70-130			
1,2,4-Trichlorobenzene	4.90				5.00		98.0	70-130			
1,1,1-Trichloroethane	4.30				5.00		86.0	70-130			
1,1,2-Trichloroethane	4.42				5.00		88.3	70-130			
Trichloroethylene	4.93				5.00		98.6	70-130			
Trichlorofluoromethane (Freon 11)	5.28				5.00		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.83				5.00		96.7	70-130			
1,2,4-Trimethylbenzene	5.35				5.00		107	70-130			
1,3,5-Trimethylbenzene	5.41				5.00		108	70-130			
Vinyl Acetate	4.81				5.00		96.2	70-130			
Vinyl Chloride	4.56				5.00		91.2	70-130			
m&p-Xylene	11.9				10.0		119	70-130			
o-Xylene	5.85				5.00		117	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.12*				*8.00*		*102*	*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 B310210 - TO-15 Prep											
Blank (B310210-BLK1)					Prepared & Analyzed: 06/07/22						
Ethanol	ND	0.80									
Surrogate: 4-Bromofluorobenzene (1)	*7.23*				*8.00*		*90.4*	*70-130*			
LCS (B310210-BS1)					Prepared & Analyzed: 06/07/22						
Ethanol	4.58				5.00		91.6	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.69*				*8.00*		*96.2*	*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
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low 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 (S069304-ICV1)			Lab File ID: K22A075019.D			Analyzed: 03/16/22 23:55			
Bromochloromethane (1)	104138	2.987	102745	2.987	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	315817	3.584	303801	3.579	104	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	233658	5.159	223280	5.159	105	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
Initial Cal Check (S072065-ICV1)			Lab File ID: G22A144022.D			Analyzed: 05/24/22 21:40			
Bromochloromethane (1)	1256331	8.479	1268674	8.485	99	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3475998	10.259	3495969	10.259	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3109272	14.63	3089177	14.63	101	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S072440-CCV1)			Lab File ID: G22A157004.D			Analyzed: 06/06/22 09:23			
Bromochloromethane (1)	1094766	8.491	1268674	8.485	86	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3418896	10.265	3495969	10.259	98	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	3028896	14.63	3089177	14.63	98	60 - 140	0.0000	+/-0.50	
LCS (B310207-BS1)			Lab File ID: G22A157008.D			Analyzed: 06/06/22 12:10			
Bromochloromethane (1)	1077061	8.479	1094766	8.491	98	60 - 140	-0.0120	+/-0.50	
1,4-Difluorobenzene (1)	3379606	10.259	3418896	10.265	99	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2982241	14.63	3028896	14.63	98	60 - 140	0.0000	+/-0.50	
Blank (B310207-BLK1)			Lab File ID: G22A157012.D			Analyzed: 06/06/22 15:09			
Bromochloromethane (1)	993001	8.497	1094766	8.491	91	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3038429	10.265	3418896	10.265	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2782560	14.63	3028896	14.63	92	60 - 140	0.0000	+/-0.50	
SVE-Inf (22E1991-01)			Lab File ID: G22A157015.D			Analyzed: 06/06/22 17:12			
Bromochloromethane (1)	1059395	8.485	1094766	8.491	97	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3128274	10.259	3418896	10.265	91	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	3033138	14.63	3028896	14.63	100	60 - 140	0.0000	+/-0.50	
SVE-Inf (22E1991-01RE1)			Lab File ID: G22A157016.D			Analyzed: 06/06/22 17:50			
Bromochloromethane (1)	1008140	8.503	1094766	8.491	92	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	3080391	10.271	3418896	10.265	90	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2882139	14.63	3028896	14.63	95	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
SVE-Eff (22E1991-02)			Lab File ID: G22A157017.D			Analyzed: 06/06/22 18:30			
Bromochloromethane (1)	1056642	8.479	1094766	8.491	97	60 - 140	-0.0120	+/-0.50	
1,4-Difluorobenzene (1)	3132370	10.259	3418896	10.265	92	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2972269	14.63	3028896	14.63	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 (S072442-CCV1)			Lab File ID: K22A158004.D			Analyzed: 06/07/22 12:06			
Bromochloromethane (1)	98768	2.992	102745	2.987	96	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	267375	3.584	303801	3.579	88	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	193138	5.164	223280	5.159	87	60 - 140	0.0050	+/-0.50	
LCS (B310210-BS1)			Lab File ID: K22A158005.D			Analyzed: 06/07/22 12:37			
Bromochloromethane (1)	98062	2.996	98768	2.992	99	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	266799	3.588	267375	3.584	100	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	195048	5.164	193138	5.164	101	60 - 140	0.0000	+/-0.50	
Blank (B310210-BLK1)			Lab File ID: K22A158008.D			Analyzed: 06/07/22 14:22			
Bromochloromethane (1)	98693	2.992	98768	2.992	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	242777	3.584	267375	3.584	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	181609	5.163	193138	5.164	94	60 - 140	-0.0010	+/-0.50	
SVE-Eff (22E1991-02RE1)			Lab File ID: K22A158017.D			Analyzed: 06/07/22 19:31			
Bromochloromethane (1)	90673	2.996	98768	2.992	92	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	219819	3.588	267375	3.584	82	60 - 140	0.0040	+/-0.50	
Chlorobenzene-d5 (1)	165618	5.163	193138	5.164	86	60 - 140	-0.0010	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S072440-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.70	1.151493	1.083167		-5.9	30
Benzene	A	5.00	4.64	0.7332017	0.6800825		-7.2	30
Benzyl chloride	A	5.00	4.69	0.8139827	0.7640978		-6.1	30
Bromodichloromethane	A	5.00	4.29	0.6420887	0.5514599		-14.1	30
Bromoform	A	5.00	4.41	0.5736496	0.5061113		-11.8	30
Bromomethane	A	5.00	5.13	0.6308906	0.6470716		2.6	30
1,3-Butadiene	A	5.00	4.95	0.4964754	0.4915768		-1.0	30
2-Butanone (MEK)	A	5.00	4.62	1.307552	1.206795		-7.7	30
Carbon Disulfide	A	5.00	4.62	2.084846	1.925229		-7.7	30
Carbon Tetrachloride	A	5.00	4.74	0.5519968	0.5235552		-5.2	30
Chlorobenzene	A	5.00	4.33	0.8673951	0.7519191		-13.3	30
Chloroethane	A	5.00	4.72	0.3476824	0.3282484		-5.6	30
Chloroform	A	5.00	5.01	1.689144	1.692221		0.2	30
Chloromethane	A	5.00	4.29	0.7054116	0.6051646		-14.2	30
Cyclohexane	A	5.00	5.32	0.2611425	0.2778342		6.4	30
Dibromochloromethane	A	5.00	4.52	0.6525782	0.5895719		-9.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.66	0.5460525	0.5086854		-6.8	30
1,2-Dichlorobenzene	A	5.00	4.54	0.5533656	0.5025372		-9.2	30
1,3-Dichlorobenzene	A	5.00	4.72	0.6446225	0.6081936		-5.7	30
1,4-Dichlorobenzene	A	5.00	4.80	0.593266	0.5691579		-4.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.50	1.883984	2.071657		10.0	30
1,1-Dichloroethane	A	5.00	4.67	1.346209	1.257794		-6.6	30
1,2-Dichloroethane	A	5.00	5.10	0.9859284	1.006066		2.0	30
1,1-Dichloroethylene	A	5.00	4.93	1.099842	1.083841		-1.5	30
cis-1,2-Dichloroethylene	A	5.00	5.17	0.8418185	0.8704969		3.4	30
trans-1,2-Dichloroethylene	A	5.00	4.91	0.9140014	0.8973797		-1.8	30
1,2-Dichloropropane	A	5.00	4.31	0.2819467	0.2429332		-13.8	30
cis-1,3-Dichloropropene	A	5.00	5.04	0.3748223	0.3776475		0.8	30
trans-1,3-Dichloropropene	A	5.00	5.09	0.3349989	0.3407392		1.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.10	1.887877	1.925827		2.0	30
1,4-Dioxane	A	5.00	4.71	0.1293352	0.1217563		-5.9	30
Ethanol	A	5.00	3.99	0.2262248	0.1806779		-20.1	30
Ethyl Acetate	A	5.00	4.89	0.2082657	0.203714		-2.2	30
Ethylbenzene	A	5.00	5.65	1.036502	1.170471		12.9	30
4-Ethyltoluene	A	5.00	5.31	1.10029	1.168133		6.2	30
Heptane	A	5.00	4.87	0.204423	0.1991071		-2.6	30
Hexachlorobutadiene	A	5.00	3.28	0.4702012	0.3081566		-34.5	30 *
Hexane	A	5.00	4.99	0.8402901	0.8174635		-0.3	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S072440-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.63	0.5190239	0.4809742		-7.3	30
Isopropanol	A	5.00	4.25	1.331902	1.131122		-15.1	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.83	1.485856	1.731211		16.5	30
Methylene Chloride	A	5.00	4.47	0.8718752	0.7790786		-10.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.62	0.5280853	0.4883041		-7.5	30
Naphthalene	A	5.00	4.23	0.8097238	0.6852625		-15.4	30
Propene	A	5.00	4.60	0.6694116	0.6164737		-7.9	30
Styrene	A	5.00	5.38	0.6161769	0.6625685		7.5	30
1,1,2,2-Tetrachloroethane	A	5.00	3.94	0.8728764	0.6882951		-21.1	30
Tetrachloroethylene	A	5.00	4.86	0.4248838	0.4128707		-2.8	30
Tetrahydrofuran	A	5.00	5.55	0.2426183	0.2692418		11.0	30
Toluene	A	5.00	5.48	0.8496792	0.9304687		9.5	30
1,2,4-Trichlorobenzene	A	5.00	3.75	0.3770874	0.2828796		-25.0	30
1,1,1-Trichloroethane	A	5.00	4.46	0.5826866	0.5201557		-10.7	30
1,1,2-Trichloroethane	A	5.00	4.33	0.3885097	0.3367955		-13.3	30
Trichloroethylene	A	5.00	4.86	0.336337	0.3269991		-2.8	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.40	1.696458	1.830784		7.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.89	1.596114	1.561731		-2.2	30
1,2,4-Trimethylbenzene	A	5.00	5.19	0.8998802	0.9337924		3.8	30
1,3,5-Trimethylbenzene	A	5.00	5.25	0.9666427	1.015219		5.0	30
Vinyl Acetate	A	5.00	4.83	1.605446	1.552248		-3.3	30
Vinyl Chloride	A	5.00	4.50	0.7512303	0.6768131		-9.9	30
m&p-Xylene	A	10.0	11.8	0.8167711	0.9612392		17.7	30
o-Xylene	A	5.00	5.75	0.8322358	0.9578164		15.1	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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CONTINUING CALIBRATION CHECK

EPA TO-15

S072442-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Ethanol	A	5.00	4.58	0.2348114	0.2152276		-8.3	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	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22E1991

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 Cattermill Rd Great Neck, NY
Project Number:	OBC 1003 bmp
Project Manager:	Dave Feinson
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Dave Adam

Required 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 ☐ Tedlar

TO-15 low level

ANALYSIS REQUESTED

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
01	SVE-INF	5/26/22	7:04A	grab	A						1 X
02	SVE-EFF	5/26/22	6:58A	"	A						1 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

[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)

	Date/Time:
Relinquished by: (signature)	5/26/22 1432
Received by: (signature)	5/27/22 1432
Relinquished by: (signature)	5/27/22 1630
Received by: (signature)	5/27/22 1630
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments: Tedlar bags NYS project site #130072 bill directly to NYSDEC p.m Payson Long Pace lab PM Buddy Beames

Detection Limit Requirements: MA: ; CT:

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

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.

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client HRP

Received By RLF Date 5/27/22 Time 1630

How were the samples received? In Cooler ____ On Ice ____ No Ice ____ In Box T Ambient ____ Melted Ice ____

Were samples within Temperature Compliance? 2-6°C UA By Gun # ____ Actual Temp - ____ By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? UA Were Samples Tampered with? UA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ____

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

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

Can #'s					Reg #'s				
Unused Media					**Pufs/TO-17's**				

Comments:

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July 7, 2022

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

Project Location: 110 Cutter Mill Rd, Great Neck, NY
Client Job Number:
Project Number: 130072
Laboratory Work Order Number: 22F1493

Enclosed are results of analyses for samples as received by the laboratory on June 23, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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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: 7/7/2022

PURCHASE ORDER NUMBER: 141716

PROJECT NUMBER: 130072

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F1493

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 Cutter Mill Rd, Great Neck, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-Inf	22F1493-01	Air		EPA TO-15	
SVE-Eff	22F1493-02	Air		EPA TO-15	
SVE-1 Shallow	22F1493-03	Air		EPA TO-15	
SVE-1 Medium	22F1493-04	Air		EPA TO-15	
SVE-2 Shallow	22F1493-05	Air		EPA TO-15	
SVE-2 Medium	22F1493-06	Air		EPA TO-15	
SS-A	22F1493-07	Air		EPA TO-15	
SVE-3A	22F1493-08	Air		EPA TO-15	
SVE-3B	22F1493-09	Air		EPA TO-15	
HSVE-1	22F1493-10	Air		EPA TO-15	
HSVE-2	22F1493-11	Air		EPA TO-15	

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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.

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

EPA TO-15

Qualifications:

A-09

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

Analyte & Samples(s) Qualified:

22F1493-01[SVE-Inf], 22F1493-02[SVE-Eff], 22F1493-02RE1[SVE-Eff], 22F1493-03[SVE-1 Shallow], 22F1493-04[SVE-1 Medium], 22F1493-05[SVE-2 Shallow], 22F1493-06[SVE-2 Medium], 22F1493-07[SS-A], 22F1493-08[SVE-3A], 22F1493-09[SVE-3B], 22F1493-10[HSVE-1], 22F1493-11[HSVE-2], 22F1493-11RE1[HSVE-2]

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzyl chloride
B312120-BS1

Methyl tert-Butyl Ether (MTBE)
B312120-BS1

L-03

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

Analyte & Samples(s) Qualified:

Vinyl Acetate
22F1493-01[SVE-Inf], 22F1493-02[SVE-Eff], 22F1493-03[SVE-1 Shallow], 22F1493-04[SVE-1 Medium], 22F1493-05[SVE-2 Shallow], 22F1493-06[SVE-2 Medium], 22F1493-07[SS-A], 22F1493-08[SVE-3A], 22F1493-09[SVE-3B], 22F1493-10[HSVE-1], 22F1493-11[HSVE-2], B312120-BLK1, B312120-BS1, B312120-DUP1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F1493-01[SVE-Inf], 22F1493-11[HSVE-2]

V-05

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

Analyte & Samples(s) Qualified:

Vinyl Acetate
22F1493-01[SVE-Inf], 22F1493-02[SVE-Eff], 22F1493-03[SVE-1 Shallow], 22F1493-04[SVE-1 Medium], 22F1493-05[SVE-2 Shallow], 22F1493-06[SVE-2 Medium], 22F1493-07[SS-A], 22F1493-08[SVE-3A], 22F1493-09[SVE-3B], 22F1493-10[HSVE-1], 22F1493-11[HSVE-2], B312120-BLK1, B312120-BS1, B312120-DUP1, S073403-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Benzyl chloride
B312120-BS1, S073403-CCV1

Methyl tert-Butyl Ether (MTBE)
B312120-BS1, S073403-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B312120-BS1, S073403-CCV1

Benzyl chloride
B312120-BS1, S073403-CCV1

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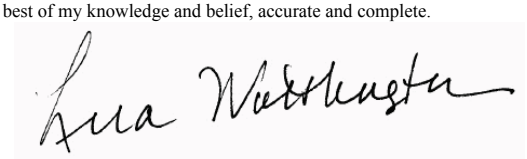
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in 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

con-test®
A Pace Analytical® Laboratory

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-Inf
Sample ID: 22F1493-01
Sample Matrix: Air
Sampled: 6/22/2022 07:38

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

Work Order: 22F1493
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, RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	6/27/22 21:56	BRF
Benzene	ND	1.0		ND	3.2	20	6/27/22 21:56	BRF
Benzyl chloride	ND	2.0		ND	10	20	6/27/22 21:56	BRF
Bromodichloromethane	ND	1.0		ND	6.7	20	6/27/22 21:56	BRF
Bromoform	ND	1.0		ND	10	20	6/27/22 21:56	BRF
Bromomethane	ND	1.0		ND	3.9	20	6/27/22 21:56	BRF
1,3-Butadiene	ND	1.0		ND	2.2	20	6/27/22 21:56	BRF
2-Butanone (MEK)	ND	40		ND	120	20	6/27/22 21:56	BRF
Carbon Disulfide	ND	10		ND	31	20	6/27/22 21:56	BRF
Carbon Tetrachloride	ND	1.0		ND	6.3	20	6/27/22 21:56	BRF
Chlorobenzene	ND	1.0		ND	4.6	20	6/27/22 21:56	BRF
Chloroethane	ND	1.0		ND	2.6	20	6/27/22 21:56	BRF
Chloroform	ND	1.0		ND	4.9	20	6/27/22 21:56	BRF
Chloromethane	ND	2.0		ND	4.1	20	6/27/22 21:56	BRF
Cyclohexane	ND	1.0		ND	3.4	20	6/27/22 21:56	BRF
Dibromochloromethane	ND	1.0		ND	8.5	20	6/27/22 21:56	BRF
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	6/27/22 21:56	BRF
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 21:56	BRF
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 21:56	BRF
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 21:56	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	6/27/22 21:56	BRF
1,1-Dichloroethane	ND	1.0		ND	4.0	20	6/27/22 21:56	BRF
1,2-Dichloroethane	ND	1.0		ND	4.0	20	6/27/22 21:56	BRF
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	6/27/22 21:56	BRF
cis-1,2-Dichloroethylene	23	1.0		89	4.0	20	6/27/22 21:56	BRF
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	6/27/22 21:56	BRF
1,2-Dichloropropane	1.8	1.0		8.5	4.6	20	6/27/22 21:56	BRF
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	6/27/22 21:56	BRF
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	6/27/22 21:56	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	6/27/22 21:56	BRF
1,4-Dioxane	ND	10		ND	36	20	6/27/22 21:56	BRF
Ethanol	120	40		220	75	20	6/27/22 21:56	BRF
Ethyl Acetate	ND	10		ND	36	20	6/27/22 21:56	BRF
Ethylbenzene	ND	1.0		ND	4.3	20	6/27/22 21:56	BRF
4-Ethyltoluene	ND	1.0		ND	4.9	20	6/27/22 21:56	BRF
Heptane	ND	1.0		ND	4.1	20	6/27/22 21:56	BRF
Hexachlorobutadiene	ND	1.0		ND	11	20	6/27/22 21:56	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-Inf
Sample ID: 22F1493-01
Sample Matrix: Air
Sampled: 6/22/2022 07:38

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

Work Order: 22F1493
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, RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	40		ND	140	20	6/27/22 21:56	BRF
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	6/27/22 21:56	BRF
Isopropanol	ND	40		ND	98	20	6/27/22 21:56	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	6/27/22 21:56	BRF
Methylene Chloride	ND	10		ND	35	20	6/27/22 21:56	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	6/27/22 21:56	BRF
Naphthalene	ND	1.0		ND	5.2	20	6/27/22 21:56	BRF
Propene	ND	40		ND	69	20	6/27/22 21:56	BRF
Styrene	ND	1.0		ND	4.3	20	6/27/22 21:56	BRF
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	6/27/22 21:56	BRF
Tetrachloroethylene	320	1.0		2200	6.8	20	6/27/22 21:56	BRF
Tetrahydrofuran	ND	10		ND	29	20	6/27/22 21:56	BRF
Toluene	8.9	1.0		33	3.8	20	6/27/22 21:56	BRF
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	6/27/22 21:56	BRF
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	6/27/22 21:56	BRF
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	6/27/22 21:56	BRF
Trichloroethylene	18	1.0		97	5.4	20	6/27/22 21:56	BRF
Trichlorofluoromethane (Freon 11)	ND	4.0		ND	22	20	6/27/22 21:56	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0		ND	31	20	6/27/22 21:56	BRF
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	6/27/22 21:56	BRF
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	6/27/22 21:56	BRF
Vinyl Acetate	ND	20	V-05, L-03	ND	70	20	6/27/22 21:56	BRF
Vinyl Chloride	ND	1.0		ND	2.6	20	6/27/22 21:56	BRF
m&p-Xylene	ND	2.0		ND	8.7	20	6/27/22 21:56	BRF
o-Xylene	ND	1.0		ND	4.3	20	6/27/22 21:56	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.7	70-130	6/27/22 21:56

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-Eff
Sample ID: 22F1493-02
Sample Matrix: Air
Sampled: 6/22/2022 07:31

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

Work Order: 22F1493
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	28	8.0		66	19	4	6/27/22 17:43	BRF
Benzene	0.56	0.20		1.8	0.64	4	6/27/22 17:43	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 17:43	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 17:43	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 17:43	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 17:43	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 17:43	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 17:43	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 17:43	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 17:43	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 17:43	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 17:43	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 17:43	BRF
Chloromethane	0.58	0.40		1.2	0.83	4	6/27/22 17:43	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 17:43	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 17:43	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 17:43	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 17:43	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 17:43	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 17:43	BRF
Dichlorodifluoromethane (Freon 12)	0.64	0.20		3.2	0.99	4	6/27/22 17:43	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 17:43	BRF
1,2-Dichloroethane	0.48	0.20		2.0	0.81	4	6/27/22 17:43	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 17:43	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 17:43	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 17:43	BRF
1,2-Dichloropropane	1.6	0.20		7.3	0.92	4	6/27/22 17:43	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 17:43	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 17:43	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 17:43	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 17:43	BRF
Ethanol	340	40		640	75	20	6/28/22 0:04	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 17:43	BRF
Ethylbenzene	0.32	0.20		1.4	0.87	4	6/27/22 17:43	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 17:43	BRF
Heptane	0.66	0.20		2.7	0.82	4	6/27/22 17:43	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 17:43	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-Eff
Sample ID: 22F1493-02
Sample Matrix: Air
Sampled: 6/22/2022 07:31

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 17:43	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 17:43	BRF
Isopropanol	61	8.0		150	20	4	6/27/22 17:43	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 17:43	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 17:43	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 17:43	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 17:43	BRF
Propene	ND	8.0		ND	14	4	6/27/22 17:43	BRF
Styrene	0.29	0.20		1.2	0.85	4	6/27/22 17:43	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 17:43	BRF
Tetrachloroethylene	0.37	0.20		2.5	1.4	4	6/27/22 17:43	BRF
Tetrahydrofuran	3.8	2.0		11	5.9	4	6/27/22 17:43	BRF
Toluene	9.4	0.20		36	0.75	4	6/27/22 17:43	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 17:43	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 17:43	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 17:43	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/27/22 17:43	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 17:43	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 17:43	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 17:43	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 17:43	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 17:43	BRF
Vinyl Chloride	0.47	0.20		1.2	0.51	4	6/27/22 17:43	BRF
m&p-Xylene	0.80	0.40		3.5	1.7	4	6/27/22 17:43	BRF
o-Xylene	0.41	0.20		1.8	0.87	4	6/27/22 17:43	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	6/27/22 17:43
4-Bromofluorobenzene (1)	88.3	70-130	6/28/22 0:04

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-1 Shallow
Sample ID: 22F1493-03
Sample Matrix: Air
Sampled: 6/22/2022 08:23

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

Work Order: 22F1493
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	14	8.0		32	19	4	6/27/22 18:11	BRF
Benzene	0.94	0.20		3.0	0.64	4	6/27/22 18:11	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 18:11	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 18:11	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 18:11	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 18:11	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 18:11	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 18:11	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 18:11	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 18:11	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 18:11	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 18:11	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 18:11	BRF
Chloromethane	0.65	0.40		1.3	0.83	4	6/27/22 18:11	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 18:11	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 18:11	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 18:11	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:11	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:11	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:11	BRF
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	6/27/22 18:11	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 18:11	BRF
1,2-Dichloroethane	0.43	0.20		1.7	0.81	4	6/27/22 18:11	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:11	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:11	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:11	BRF
1,2-Dichloropropane	2.0	0.20		9.1	0.92	4	6/27/22 18:11	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 18:11	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 18:11	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 18:11	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 18:11	BRF
Ethanol	150	8.0		290	15	4	6/27/22 18:11	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 18:11	BRF
Ethylbenzene	0.38	0.20		1.6	0.87	4	6/27/22 18:11	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 18:11	BRF
Heptane	0.40	0.20		1.6	0.82	4	6/27/22 18:11	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 18:11	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-1 Shallow
Sample ID: 22F1493-03
Sample Matrix: Air
Sampled: 6/22/2022 08:23

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 18:11	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 18:11	BRF
Isopropanol	12	8.0		29	20	4	6/27/22 18:11	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 18:11	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 18:11	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 18:11	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 18:11	BRF
Propene	ND	8.0		ND	14	4	6/27/22 18:11	BRF
Styrene	0.30	0.20		1.3	0.85	4	6/27/22 18:11	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 18:11	BRF
Tetrachloroethylene	0.58	0.20		3.9	1.4	4	6/27/22 18:11	BRF
Tetrahydrofuran	3.6	2.0		11	5.9	4	6/27/22 18:11	BRF
Toluene	11	0.20		41	0.75	4	6/27/22 18:11	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 18:11	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 18:11	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 18:11	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/27/22 18:11	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 18:11	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 18:11	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 18:11	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 18:11	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 18:11	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 18:11	BRF
m&p-Xylene	1.0	0.40		4.5	1.7	4	6/27/22 18:11	BRF
o-Xylene	0.48	0.20		2.1	0.87	4	6/27/22 18:11	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.4	70-130	6/27/22 18:11

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-1 Medium
Sample ID: 22F1493-04
Sample Matrix: Air
Sampled: 6/22/2022 08:29

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

Work Order: 22F1493
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	13	8.0		31	19	4	6/27/22 18:39	BRF
Benzene	0.40	0.20		1.3	0.64	4	6/27/22 18:39	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 18:39	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 18:39	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 18:39	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 18:39	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 18:39	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 18:39	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 18:39	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 18:39	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 18:39	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 18:39	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 18:39	BRF
Chloromethane	0.62	0.40		1.3	0.83	4	6/27/22 18:39	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 18:39	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 18:39	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 18:39	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:39	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:39	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 18:39	BRF
Dichlorodifluoromethane (Freon 12)	0.49	0.20		2.4	0.99	4	6/27/22 18:39	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 18:39	BRF
1,2-Dichloroethane	0.38	0.20		1.5	0.81	4	6/27/22 18:39	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:39	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:39	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 18:39	BRF
1,2-Dichloropropane	1.3	0.20		6.2	0.92	4	6/27/22 18:39	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 18:39	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 18:39	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 18:39	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 18:39	BRF
Ethanol	130	8.0		240	15	4	6/27/22 18:39	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 18:39	BRF
Ethylbenzene	0.28	0.20		1.2	0.87	4	6/27/22 18:39	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 18:39	BRF
Heptane	0.29	0.20		1.2	0.82	4	6/27/22 18:39	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 18:39	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-1 Medium
Sample ID: 22F1493-04
Sample Matrix: Air
Sampled: 6/22/2022 08:29

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 18:39	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 18:39	BRF
Isopropanol	12	8.0		28	20	4	6/27/22 18:39	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 18:39	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 18:39	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 18:39	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 18:39	BRF
Propene	ND	8.0		ND	14	4	6/27/22 18:39	BRF
Styrene	0.29	0.20		1.2	0.85	4	6/27/22 18:39	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 18:39	BRF
Tetrachloroethylene	0.82	0.20		5.5	1.4	4	6/27/22 18:39	BRF
Tetrahydrofuran	ND	2.0		ND	5.9	4	6/27/22 18:39	BRF
Toluene	8.0	0.20		30	0.75	4	6/27/22 18:39	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 18:39	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 18:39	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 18:39	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/27/22 18:39	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 18:39	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 18:39	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 18:39	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 18:39	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 18:39	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 18:39	BRF
m&p-Xylene	0.87	0.40		3.8	1.7	4	6/27/22 18:39	BRF
o-Xylene	0.39	0.20		1.7	0.87	4	6/27/22 18:39	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	6/27/22 18:39

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-2 Shallow
Sample ID: 22F1493-05
Sample Matrix: Air
Sampled: 6/22/2022 08:34

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

Work Order: 22F1493
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	13	8.0		31	19	4	6/27/22 19:07	BRF
Benzene	0.44	0.20		1.4	0.64	4	6/27/22 19:07	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 19:07	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 19:07	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 19:07	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 19:07	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 19:07	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 19:07	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 19:07	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 19:07	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 19:07	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 19:07	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 19:07	BRF
Chloromethane	0.72	0.40		1.5	0.83	4	6/27/22 19:07	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 19:07	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 19:07	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 19:07	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:07	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:07	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:07	BRF
Dichlorodifluoromethane (Freon 12)	0.45	0.20		2.2	0.99	4	6/27/22 19:07	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 19:07	BRF
1,2-Dichloroethane	0.40	0.20		1.6	0.81	4	6/27/22 19:07	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:07	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:07	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:07	BRF
1,2-Dichloropropane	1.6	0.20		7.6	0.92	4	6/27/22 19:07	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 19:07	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 19:07	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 19:07	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 19:07	BRF
Ethanol	120	8.0		220	15	4	6/27/22 19:07	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 19:07	BRF
Ethylbenzene	0.29	0.20		1.3	0.87	4	6/27/22 19:07	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 19:07	BRF
Heptane	0.29	0.20		1.2	0.82	4	6/27/22 19:07	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 19:07	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-2 Shallow
Sample ID: 22F1493-05
Sample Matrix: Air
Sampled: 6/22/2022 08:34

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 19:07	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 19:07	BRF
Isopropanol	21	8.0		53	20	4	6/27/22 19:07	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 19:07	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 19:07	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 19:07	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 19:07	BRF
Propene	ND	8.0		ND	14	4	6/27/22 19:07	BRF
Styrene	0.33	0.20		1.4	0.85	4	6/27/22 19:07	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 19:07	BRF
Tetrachloroethylene	2.7	0.20		18	1.4	4	6/27/22 19:07	BRF
Tetrahydrofuran	2.3	2.0		6.7	5.9	4	6/27/22 19:07	BRF
Toluene	9.3	0.20		35	0.75	4	6/27/22 19:07	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 19:07	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 19:07	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 19:07	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/27/22 19:07	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 19:07	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 19:07	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 19:07	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 19:07	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 19:07	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 19:07	BRF
m&p-Xylene	0.92	0.40		4.0	1.7	4	6/27/22 19:07	BRF
o-Xylene	0.40	0.20		1.7	0.87	4	6/27/22 19:07	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.2	70-130	6/27/22 19:07

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-2 Medium
Sample ID: 22F1493-06
Sample Matrix: Air
Sampled: 6/22/2022 08:38

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

Work Order: 22F1493
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	14	8.0		34	19	4	6/27/22 19:35	BRF
Benzene	0.63	0.20		2.0	0.64	4	6/27/22 19:35	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 19:35	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 19:35	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 19:35	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 19:35	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 19:35	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 19:35	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 19:35	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 19:35	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 19:35	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 19:35	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 19:35	BRF
Chloromethane	0.59	0.40		1.2	0.83	4	6/27/22 19:35	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 19:35	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 19:35	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 19:35	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:35	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:35	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 19:35	BRF
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	6/27/22 19:35	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 19:35	BRF
1,2-Dichloroethane	0.43	0.20		1.7	0.81	4	6/27/22 19:35	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:35	BRF
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:35	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 19:35	BRF
1,2-Dichloropropane	1.3	0.20		6.1	0.92	4	6/27/22 19:35	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 19:35	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 19:35	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 19:35	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 19:35	BRF
Ethanol	130	8.0		240	15	4	6/27/22 19:35	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 19:35	BRF
Ethylbenzene	0.30	0.20		1.3	0.87	4	6/27/22 19:35	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 19:35	BRF
Heptane	0.30	0.20		1.2	0.82	4	6/27/22 19:35	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 19:35	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-2 Medium
Sample ID: 22F1493-06
Sample Matrix: Air
Sampled: 6/22/2022 08:38

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 19:35	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 19:35	BRF
Isopropanol	22	8.0		53	20	4	6/27/22 19:35	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 19:35	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 19:35	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 19:35	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 19:35	BRF
Propene	ND	8.0		ND	14	4	6/27/22 19:35	BRF
Styrene	0.30	0.20		1.3	0.85	4	6/27/22 19:35	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 19:35	BRF
Tetrachloroethylene	2.6	0.20		18	1.4	4	6/27/22 19:35	BRF
Tetrahydrofuran	ND	2.0		ND	5.9	4	6/27/22 19:35	BRF
Toluene	8.5	0.20		32	0.75	4	6/27/22 19:35	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 19:35	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 19:35	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 19:35	BRF
Trichloroethylene	ND	0.20		ND	1.1	4	6/27/22 19:35	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 19:35	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 19:35	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 19:35	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 19:35	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 19:35	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 19:35	BRF
m&p-Xylene	0.90	0.40		3.9	1.7	4	6/27/22 19:35	BRF
o-Xylene	0.40	0.20		1.8	0.87	4	6/27/22 19:35	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.8	70-130	6/27/22 19:35

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SS-A
Sample ID: 22F1493-07
Sample Matrix: Air
Sampled: 6/22/2022 08:51

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

Work Order: 22F1493
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	14	8.0		32	19	4	6/27/22 20:03	BRF
Benzene	0.48	0.20		1.5	0.64	4	6/27/22 20:03	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 20:03	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 20:03	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 20:03	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 20:03	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 20:03	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 20:03	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 20:03	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 20:03	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 20:03	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 20:03	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 20:03	BRF
Chloromethane	ND	0.40		ND	0.83	4	6/27/22 20:03	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 20:03	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 20:03	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 20:03	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:03	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:03	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:03	BRF
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	6/27/22 20:03	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 20:03	BRF
1,2-Dichloroethane	0.39	0.20		1.6	0.81	4	6/27/22 20:03	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 20:03	BRF
cis-1,2-Dichloroethylene	1.1	0.20		4.5	0.79	4	6/27/22 20:03	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 20:03	BRF
1,2-Dichloropropane	1.5	0.20		6.9	0.92	4	6/27/22 20:03	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 20:03	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 20:03	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 20:03	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 20:03	BRF
Ethanol	110	8.0		200	15	4	6/27/22 20:03	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 20:03	BRF
Ethylbenzene	0.28	0.20		1.2	0.87	4	6/27/22 20:03	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 20:03	BRF
Heptane	0.29	0.20		1.2	0.82	4	6/27/22 20:03	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 20:03	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SS-A
Sample ID: 22F1493-07
Sample Matrix: Air
Sampled: 6/22/2022 08:51

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 20:03	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 20:03	BRF
Isopropanol	16	8.0		39	20	4	6/27/22 20:03	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 20:03	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 20:03	BRF
4-Methyl-2-pentanone (MIBK)	0.36	0.20		1.5	0.82	4	6/27/22 20:03	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 20:03	BRF
Propene	ND	8.0		ND	14	4	6/27/22 20:03	BRF
Styrene	0.33	0.20		1.4	0.85	4	6/27/22 20:03	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 20:03	BRF
Tetrachloroethylene	4.4	0.20		30	1.4	4	6/27/22 20:03	BRF
Tetrahydrofuran	ND	2.0		ND	5.9	4	6/27/22 20:03	BRF
Toluene	8.5	0.20		32	0.75	4	6/27/22 20:03	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 20:03	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 20:03	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 20:03	BRF
Trichloroethylene	0.77	0.20		4.1	1.1	4	6/27/22 20:03	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 20:03	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 20:03	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 20:03	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 20:03	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 20:03	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 20:03	BRF
m&p-Xylene	0.90	0.40		3.9	1.7	4	6/27/22 20:03	BRF
o-Xylene	0.37	0.20		1.6	0.87	4	6/27/22 20:03	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.9	70-130	6/27/22 20:03

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-3A
Sample ID: 22F1493-08
Sample Matrix: Air
Sampled: 6/22/2022 09:14

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

Work Order: 22F1493
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	13	8.0		32	19	4	6/27/22 20:59	BRF
Benzene	0.49	0.20		1.6	0.64	4	6/27/22 20:59	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 20:59	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 20:59	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 20:59	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 20:59	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 20:59	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 20:59	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 20:59	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 20:59	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 20:59	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 20:59	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 20:59	BRF
Chloromethane	0.54	0.40		1.1	0.83	4	6/27/22 20:59	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 20:59	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 20:59	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 20:59	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:59	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:59	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 20:59	BRF
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	6/27/22 20:59	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 20:59	BRF
1,2-Dichloroethane	0.44	0.20		1.8	0.81	4	6/27/22 20:59	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 20:59	BRF
cis-1,2-Dichloroethylene	1.2	0.20		4.7	0.79	4	6/27/22 20:59	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 20:59	BRF
1,2-Dichloropropane	2.0	0.20		9.3	0.92	4	6/27/22 20:59	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 20:59	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 20:59	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 20:59	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 20:59	BRF
Ethanol	86	8.0		160	15	4	6/27/22 20:59	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 20:59	BRF
Ethylbenzene	0.28	0.20		1.2	0.87	4	6/27/22 20:59	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 20:59	BRF
Heptane	0.24	0.20		0.97	0.82	4	6/27/22 20:59	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 20:59	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-3A
Sample ID: 22F1493-08
Sample Matrix: Air
Sampled: 6/22/2022 09:14

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 20:59	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 20:59	BRF
Isopropanol	14	8.0		34	20	4	6/27/22 20:59	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 20:59	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 20:59	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 20:59	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 20:59	BRF
Propene	ND	8.0		ND	14	4	6/27/22 20:59	BRF
Styrene	0.20	0.20		0.87	0.85	4	6/27/22 20:59	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 20:59	BRF
Tetrachloroethylene	67	0.20		460	1.4	4	6/27/22 20:59	BRF
Tetrahydrofuran	2.2	2.0		6.5	5.9	4	6/27/22 20:59	BRF
Toluene	10	0.20		39	0.75	4	6/27/22 20:59	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 20:59	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 20:59	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 20:59	BRF
Trichloroethylene	1.7	0.20		9.4	1.1	4	6/27/22 20:59	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 20:59	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 20:59	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 20:59	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 20:59	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 20:59	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 20:59	BRF
m&p-Xylene	0.78	0.40		3.4	1.7	4	6/27/22 20:59	BRF
o-Xylene	0.36	0.20		1.6	0.87	4	6/27/22 20:59	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.2	70-130	6/27/22 20:59

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-3B
Sample ID: 22F1493-09
Sample Matrix: Air
Sampled: 6/22/2022 09:07

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

Work Order: 22F1493
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	18	8.0		42	19	4	6/27/22 16:47	BRF
Benzene	0.51	0.20		1.6	0.64	4	6/27/22 16:47	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 16:47	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 16:47	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 16:47	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 16:47	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 16:47	BRF
2-Butanone (MEK)	ND	8.0		ND	24	4	6/27/22 16:47	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 16:47	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 16:47	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 16:47	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 16:47	BRF
Chloroform	0.24	0.20		1.2	0.98	4	6/27/22 16:47	BRF
Chloromethane	0.51	0.40		1.1	0.83	4	6/27/22 16:47	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 16:47	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 16:47	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 16:47	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 16:47	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 16:47	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 16:47	BRF
Dichlorodifluoromethane (Freon 12)	0.99	0.20		4.9	0.99	4	6/27/22 16:47	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 16:47	BRF
1,2-Dichloroethane	0.42	0.20		1.7	0.81	4	6/27/22 16:47	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 16:47	BRF
cis-1,2-Dichloroethylene	1.2	0.20		4.6	0.79	4	6/27/22 16:47	BRF
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 16:47	BRF
1,2-Dichloropropane	1.5	0.20		6.9	0.92	4	6/27/22 16:47	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 16:47	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 16:47	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 16:47	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 16:47	BRF
Ethanol	160	8.0		300	15	4	6/27/22 16:47	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 16:47	BRF
Ethylbenzene	0.30	0.20		1.3	0.87	4	6/27/22 16:47	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 16:47	BRF
Heptane	0.32	0.20		1.3	0.82	4	6/27/22 16:47	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 16:47	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: SVE-3B
Sample ID: 22F1493-09
Sample Matrix: Air
Sampled: 6/22/2022 09:07

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 16:47	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 16:47	BRF
Isopropanol	27	8.0		67	20	4	6/27/22 16:47	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 16:47	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 16:47	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 16:47	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 16:47	BRF
Propene	ND	8.0		ND	14	4	6/27/22 16:47	BRF
Styrene	0.26	0.20		1.1	0.85	4	6/27/22 16:47	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 16:47	BRF
Tetrachloroethylene	9.9	0.20		67	1.4	4	6/27/22 16:47	BRF
Tetrahydrofuran	2.5	2.0		7.3	5.9	4	6/27/22 16:47	BRF
Toluene	8.4	0.20		32	0.75	4	6/27/22 16:47	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 16:47	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 16:47	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 16:47	BRF
Trichloroethylene	0.76	0.20		4.1	1.1	4	6/27/22 16:47	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 16:47	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 16:47	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 16:47	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 16:47	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 16:47	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 16:47	BRF
m&p-Xylene	0.84	0.40		3.6	1.7	4	6/27/22 16:47	BRF
o-Xylene	0.40	0.20		1.7	0.87	4	6/27/22 16:47	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.4	70-130	6/27/22 16:47

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

ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: HSVE-1
Sample ID: 22F1493-10
Sample Matrix: Air
Sampled: 6/22/2022 09:34

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

Work Order: 22F1493
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	9.7	8.0		23	19	4	6/27/22 23:36	BRF
Benzene	0.52	0.20		1.7	0.64	4	6/27/22 23:36	BRF
Benzyl chloride	ND	0.40		ND	2.1	4	6/27/22 23:36	BRF
Bromodichloromethane	ND	0.20		ND	1.3	4	6/27/22 23:36	BRF
Bromoform	ND	0.20		ND	2.1	4	6/27/22 23:36	BRF
Bromomethane	ND	0.20		ND	0.78	4	6/27/22 23:36	BRF
1,3-Butadiene	ND	0.20		ND	0.44	4	6/27/22 23:36	BRF
2-Butanone (MEK)	11	8.0		31	24	4	6/27/22 23:36	BRF
Carbon Disulfide	ND	2.0		ND	6.2	4	6/27/22 23:36	BRF
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/27/22 23:36	BRF
Chlorobenzene	ND	0.20		ND	0.92	4	6/27/22 23:36	BRF
Chloroethane	ND	0.20		ND	0.53	4	6/27/22 23:36	BRF
Chloroform	ND	0.20		ND	0.98	4	6/27/22 23:36	BRF
Chloromethane	ND	0.40		ND	0.83	4	6/27/22 23:36	BRF
Cyclohexane	ND	0.20		ND	0.69	4	6/27/22 23:36	BRF
Dibromochloromethane	ND	0.20		ND	1.7	4	6/27/22 23:36	BRF
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/27/22 23:36	BRF
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 23:36	BRF
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 23:36	BRF
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/27/22 23:36	BRF
Dichlorodifluoromethane (Freon 12)	0.48	0.20		2.4	0.99	4	6/27/22 23:36	BRF
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 23:36	BRF
1,2-Dichloroethane	ND	0.20		ND	0.81	4	6/27/22 23:36	BRF
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/27/22 23:36	BRF
cis-1,2-Dichloroethylene	96	0.20		380	0.79	4	6/27/22 23:36	BRF
trans-1,2-Dichloroethylene	1.0	0.20		4.1	0.79	4	6/27/22 23:36	BRF
1,2-Dichloropropane	ND	0.20		ND	0.92	4	6/27/22 23:36	BRF
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 23:36	BRF
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/27/22 23:36	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/27/22 23:36	BRF
1,4-Dioxane	ND	2.0		ND	7.2	4	6/27/22 23:36	BRF
Ethanol	110	8.0		200	15	4	6/27/22 23:36	BRF
Ethyl Acetate	ND	2.0		ND	7.2	4	6/27/22 23:36	BRF
Ethylbenzene	ND	0.20		ND	0.87	4	6/27/22 23:36	BRF
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/27/22 23:36	BRF
Heptane	ND	0.20		ND	0.82	4	6/27/22 23:36	BRF
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/27/22 23:36	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: HSVE-1
Sample ID: 22F1493-10
Sample Matrix: Air
Sampled: 6/22/2022 09:34

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

Work Order: 22F1493
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	8.0		ND	28	4	6/27/22 23:36	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/27/22 23:36	BRF
Isopropanol	10	8.0		25	20	4	6/27/22 23:36	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/27/22 23:36	BRF
Methylene Chloride	ND	2.0		ND	6.9	4	6/27/22 23:36	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/27/22 23:36	BRF
Naphthalene	ND	0.20		ND	1.0	4	6/27/22 23:36	BRF
Propene	ND	8.0		ND	14	4	6/27/22 23:36	BRF
Styrene	ND	0.20		ND	0.85	4	6/27/22 23:36	BRF
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/27/22 23:36	BRF
Tetrachloroethylene	180	0.20		1200	1.4	4	6/27/22 23:36	BRF
Tetrahydrofuran	6.9	2.0		20	5.9	4	6/27/22 23:36	BRF
Toluene	0.66	0.20		2.5	0.75	4	6/27/22 23:36	BRF
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/27/22 23:36	BRF
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 23:36	BRF
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/27/22 23:36	BRF
Trichloroethylene	38	0.20		200	1.1	4	6/27/22 23:36	BRF
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/27/22 23:36	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/27/22 23:36	BRF
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 23:36	BRF
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/27/22 23:36	BRF
Vinyl Acetate	ND	4.0	L-03, V-05	ND	14	4	6/27/22 23:36	BRF
Vinyl Chloride	ND	0.20		ND	0.51	4	6/27/22 23:36	BRF
m&p-Xylene	ND	0.40		ND	1.7	4	6/27/22 23:36	BRF
o-Xylene	ND	0.20		ND	0.87	4	6/27/22 23:36	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.8	70-130	6/27/22 23:36

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: HSVE-2
Sample ID: 22F1493-11
Sample Matrix: Air
Sampled: 6/22/2022 09:46

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

Work Order: 22F1493
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, RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	140	40		320	95	20	6/27/22 20:31	BRF
Benzene	ND	1.0		ND	3.2	20	6/27/22 20:31	BRF
Benzyl chloride	ND	2.0		ND	10	20	6/27/22 20:31	BRF
Bromodichloromethane	ND	1.0		ND	6.7	20	6/27/22 20:31	BRF
Bromoform	ND	1.0		ND	10	20	6/27/22 20:31	BRF
Bromomethane	ND	1.0		ND	3.9	20	6/27/22 20:31	BRF
1,3-Butadiene	ND	1.0		ND	2.2	20	6/27/22 20:31	BRF
2-Butanone (MEK)	670	40		2000	120	20	6/27/22 20:31	BRF
Carbon Disulfide	ND	10		ND	31	20	6/27/22 20:31	BRF
Carbon Tetrachloride	ND	1.0		ND	6.3	20	6/27/22 20:31	BRF
Chlorobenzene	ND	1.0		ND	4.6	20	6/27/22 20:31	BRF
Chloroethane	ND	1.0		ND	2.6	20	6/27/22 20:31	BRF
Chloroform	ND	1.0		ND	4.9	20	6/27/22 20:31	BRF
Chloromethane	3.7	2.0		7.7	4.1	20	6/27/22 20:31	BRF
Cyclohexane	ND	1.0		ND	3.4	20	6/27/22 20:31	BRF
Dibromochloromethane	ND	1.0		ND	8.5	20	6/27/22 20:31	BRF
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	6/27/22 20:31	BRF
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 20:31	BRF
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 20:31	BRF
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	6/27/22 20:31	BRF
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	6/27/22 20:31	BRF
1,1-Dichloroethane	ND	1.0		ND	4.0	20	6/27/22 20:31	BRF
1,2-Dichloroethane	ND	1.0		ND	4.0	20	6/27/22 20:31	BRF
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	6/27/22 20:31	BRF
cis-1,2-Dichloroethylene	2.7	1.0		11	4.0	20	6/27/22 20:31	BRF
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	6/27/22 20:31	BRF
1,2-Dichloropropane	ND	1.0		ND	4.6	20	6/27/22 20:31	BRF
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	6/27/22 20:31	BRF
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	6/27/22 20:31	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	6/27/22 20:31	BRF
1,4-Dioxane	ND	10		ND	36	20	6/27/22 20:31	BRF
Ethanol	100	40		190	75	20	6/27/22 20:31	BRF
Ethyl Acetate	ND	10		ND	36	20	6/27/22 20:31	BRF
Ethylbenzene	ND	1.0		ND	4.3	20	6/27/22 20:31	BRF
4-Ethyltoluene	ND	1.0		ND	4.9	20	6/27/22 20:31	BRF
Heptane	ND	1.0		ND	4.1	20	6/27/22 20:31	BRF
Hexachlorobutadiene	ND	1.0		ND	11	20	6/27/22 20:31	BRF

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ANALYTICAL RESULTS

Project Location: 110 Cutter Mill Rd, Great Neck,
Date Received: 6/23/2022
Field Sample #: HSVE-2
Sample ID: 22F1493-11
Sample Matrix: Air
Sampled: 6/22/2022 09:46

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

Work Order: 22F1493
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, RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	40		ND	140	20	6/27/22 20:31	BRF
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	6/27/22 20:31	BRF
Isopropanol	ND	40		ND	98	20	6/27/22 20:31	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	6/27/22 20:31	BRF
Methylene Chloride	ND	10		ND	35	20	6/27/22 20:31	BRF
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	6/27/22 20:31	BRF
Naphthalene	ND	1.0		ND	5.2	20	6/27/22 20:31	BRF
Propene	ND	40		ND	69	20	6/27/22 20:31	BRF
Styrene	ND	1.0		ND	4.3	20	6/27/22 20:31	BRF
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	6/27/22 20:31	BRF
Tetrachloroethylene	15	1.0		100	6.8	20	6/27/22 20:31	BRF
Tetrahydrofuran	3300	100		9700	290	200	6/28/22 0:34	BRF
Toluene	ND	1.0		ND	3.8	20	6/27/22 20:31	BRF
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	6/27/22 20:31	BRF
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	6/27/22 20:31	BRF
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	6/27/22 20:31	BRF
Trichloroethylene	ND	1.0		ND	5.4	20	6/27/22 20:31	BRF
Trichlorofluoromethane (Freon 11)	ND	4.0		ND	22	20	6/27/22 20:31	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0		ND	31	20	6/27/22 20:31	BRF
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	6/27/22 20:31	BRF
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	6/27/22 20:31	BRF
Vinyl Acetate	ND	20	L-03, V-05	ND	70	20	6/27/22 20:31	BRF
Vinyl Chloride	ND	1.0		ND	2.6	20	6/27/22 20:31	BRF
m&p-Xylene	ND	2.0		ND	8.7	20	6/27/22 20:31	BRF
o-Xylene	ND	1.0		ND	4.3	20	6/27/22 20:31	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.9	70-130	6/28/22 0:34
4-Bromofluorobenzene (1)	93.1	70-130	6/27/22 20:31

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Sample Extraction Data

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22F1493-01 [SVE-Inf]	B312120	1	1	N/A	1000	200	10	06/27/22
22F1493-02 [SVE-Eff]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-02RE1 [SVE-Eff]	B312120	1	1	N/A	1000	200	10	06/27/22
22F1493-03 [SVE-1 Shallow]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-04 [SVE-1 Medium]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-05 [SVE-2 Shallow]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-06 [SVE-2 Medium]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-07 [SS-A]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-08 [SVE-3A]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-09 [SVE-3B]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-10 [HSVE-1]	B312120	1	1	N/A	1000	200	50	06/27/22
22F1493-11 [HSVE-2]	B312120	1	1	N/A	1000	200	10	06/27/22
22F1493-11RE1 [HSVE-2]	B312120	1	200	5	1000	200	200	06/27/22

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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 B312120 - TO-15 Prep											
Blank (B312120-BLK1)					Prepared & Analyzed: 06/27/22						
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 B312120 - TO-15 Prep												
Blank (B312120-BLK1)					Prepared & Analyzed: 06/27/22							
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										L-03, V-05
Vinyl Chloride	ND	0.020										
m&p-Xylene	ND	0.040										
o-Xylene	ND	0.020										
Surrogate: 4-Bromofluorobenzene (1)	*7.40*				*8.00*		*92.5*		*70-130*			
LCS (B312120-BS1)					Prepared & Analyzed: 06/27/22							
Acetone	4.63				5.00		92.6		70-130			
Benzene	5.22				5.00		104		70-130			
Benzyl chloride	7.72				5.00		**154**	*	70-130			L-01, V-20,
Bromodichloromethane	5.01				5.00		100		70-130			
Bromoform	4.94				5.00		98.8		70-130			
Bromomethane	5.05				5.00		101		70-130			
1,3-Butadiene	4.88				5.00		97.6		70-130			
2-Butanone (MEK)	5.34				5.00		107		70-130			
Carbon Disulfide	5.14				5.00		103		70-130			
Carbon Tetrachloride	5.25				5.00		105		70-130			
Chlorobenzene	5.04				5.00		101		70-130			
Chloroethane	4.96				5.00		99.3		70-130			
Chloroform	5.29				5.00		106		70-130			
Chloromethane	4.74				5.00		94.8		70-130			
Cyclohexane	5.60				5.00		112		70-130			
Dibromochloromethane	5.09				5.00		102		70-130			
1,2-Dibromoethane (EDB)	5.31				5.00		106		70-130			
1,2-Dichlorobenzene	5.71				5.00		114		70-130			
1,3-Dichlorobenzene	5.77				5.00		115		70-130			
1,4-Dichlorobenzene	6.21				5.00		124		70-130			
Dichlorodifluoromethane (Freon 12)	5.15				5.00		103		70-130			
1,1-Dichloroethane	5.67				5.00		113		70-130			
1,2-Dichloroethane	5.32				5.00		106		70-130			
1,1-Dichloroethylene	5.11				5.00		102		70-130			
cis-1,2-Dichloroethylene	5.26				5.00		105		70-130			
trans-1,2-Dichloroethylene	5.46				5.00		109		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 B312120 - TO-15 Prep												
LCS (B312120-BS1)					Prepared & Analyzed: 06/27/22							
1,2-Dichloropropane	5.07				5.00		101		70-130			
cis-1,3-Dichloropropene	5.26				5.00		105		70-130			
trans-1,3-Dichloropropene	5.64				5.00		113		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.69				5.00		93.8		70-130			
1,4-Dioxane	5.52				5.00		110		70-130			
Ethanol	3.91				5.00		78.1		70-130			
Ethyl Acetate	5.30				5.00		106		70-130			
Ethylbenzene	5.51				5.00		110		70-130			
4-Ethyltoluene	6.04				5.00		121		70-130			
Heptane	5.36				5.00		107		70-130			
Hexachlorobutadiene	4.23				5.00		84.6		70-130			
Hexane	5.31				5.00		106		70-130			
2-Hexanone (MBK)	5.06				5.00		101		70-130			
Isopropanol	4.16				5.00		83.3		70-130			
Methyl tert-Butyl Ether (MTBE)	6.82				5.00		**136**	*	70-130			L-01, V-20
Methylene Chloride	4.66				5.00		93.3		70-130			
4-Methyl-2-pentanone (MIBK)	4.44				5.00		88.7		70-130			
Naphthalene	5.06				5.00		101		70-130			
Propene	4.56				5.00		91.1		70-130			
Styrene	5.92				5.00		118		70-130			
1,1,2,2-Tetrachloroethane	5.22				5.00		104		70-130			
Tetrachloroethylene	4.75				5.00		95.0		70-130			
Tetrahydrofuran	5.25				5.00		105		70-130			
Toluene	5.34				5.00		107		70-130			
1,2,4-Trichlorobenzene	5.53				5.00		111		70-130			V-36
1,1,1-Trichloroethane	5.29				5.00		106		70-130			
1,1,2-Trichloroethane	5.23				5.00		105		70-130			
Trichloroethylene	5.13				5.00		103		70-130			
Trichlorofluoromethane (Freon 11)	5.11				5.00		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.30				5.00		106		70-130			
1,2,4-Trimethylbenzene	5.92				5.00		118		70-130			
1,3,5-Trimethylbenzene	5.89				5.00		118		70-130			
Vinyl Acetate	2.92				5.00		**58.4**	*	70-130			L-03, V-05
Vinyl Chloride	4.96				5.00		99.3		70-130			
m&p-Xylene	11.9				10.0		119		70-130			
o-Xylene	5.70				5.00		114		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.88*				*8.00*		*98.4*		*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 B312120 - TO-15 Prep											
Duplicate (B312120-DUP1)			**Source: 22F1493-09**		Prepared & Analyzed: 06/27/22						
Acetone	17	8.0	41	19		18			2.79	25	
Benzene	0.46	0.20	1.5	0.64		0.51			9.84	25	
Benzyl chloride	ND	0.20	ND	1.0		ND				25	
Bromodichloromethane	ND	0.20	ND	1.3		ND				25	
Bromoform	ND	0.20	ND	2.1		ND				25	
Bromomethane	ND	0.20	ND	0.78		ND				25	
1,3-Butadiene	ND	0.20	ND	0.44		ND				25	
2-Butanone (MEK)	2.9	8.0	8.7	24		3.1			4.01	25	
Carbon Disulfide	ND	2.0	ND	6.2		ND				25	
Carbon Tetrachloride	ND	0.20	ND	1.3		ND				25	
Chlorobenzene	ND	0.20	ND	0.92		ND				25	
Chloroethane	ND	0.20	ND	0.53		ND				25	
Chloroform	0.22	0.20	1.1	0.98		0.24			6.90	25	
Chloromethane	0.56	0.40	1.1	0.83		0.51			8.24	25	
Cyclohexane	ND	0.20	ND	0.69		ND				25	
Dibromochloromethane	ND	0.20	ND	1.7		ND				25	
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5		ND				25	
1,2-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,3-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,4-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
Dichlorodifluoromethane (Freon 12)	0.98	0.20	4.8	0.99		0.99			1.22	25	
1,1-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,2-Dichloroethane	0.39	0.20	1.6	0.81		0.42			7.84	25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	1.1	0.20	4.6	0.79		1.2			1.38	25	
trans-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
1,2-Dichloropropane	1.4	0.20	6.4	0.92		1.5			6.40	25	
cis-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
trans-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	ND	1.4		ND				25	
1,4-Dioxane	ND	2.0	ND	7.2		ND				25	
Ethanol	150	8.0	280	15		160			6.08	25	
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	0.29	0.20	1.3	0.87		0.30			5.41	25	
4-Ethyltoluene	ND	0.20	ND	0.98		ND				25	
Heptane	0.35	0.20	1.4	0.82		0.32			10.8	25	
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	
Hexane	4.4	8.0	16	28		4.7			4.57	25	
2-Hexanone (MBK)	ND	0.20	ND	0.82		ND				25	
Isopropanol	26	8.0	65	20		27			4.00	25	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	1.1	2.0	3.7	6.9		1.1			3.34	25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	ND	0.20	ND	1.0		ND				25	
Propene	ND	8.0	ND	14		ND				25	
Styrene	0.29	0.20	1.2	0.85		0.26			8.70	25	

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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 B312120 - TO-15 Prep											
Duplicate (B312120-DUP1)			**Source: 22F1493-09**		Prepared & Analyzed: 06/27/22						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrachloroethylene	9.5	0.20	64	1.4		9.9			4.18	25	
Tetrahydrofuran	2.3	2.0	6.8	5.9		2.5			6.02	25	
Toluene	8.1	0.20	30	0.75		8.4			3.79	25	
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	
1,1,1-Trichloroethane	ND	0.20	ND	1.1		ND				25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	0.76	0.20	4.1	1.1		0.76			0.528	25	
Trichlorofluoromethane (Freon 11)	0.41	0.80	2.3	4.5		0.43			3.81	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	ND	6.1		ND				25	
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98		ND				25	
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98		ND				25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	L-03, V-05
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	0.83	0.40	3.6	1.7		0.84			0.480	25	
o-Xylene	0.37	0.20	1.6	0.87		0.40			7.25	25	
Surrogate: 4-Bromofluorobenzene (1)	*7.49*				*8.00*		*93.6*	*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-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" 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
Calibration Check (S073403-CCV1)			Lab File ID: K22A178004.D			Analyzed: 06/27/22 11:03			
Bromochloromethane (1)	92489	2.996	102745	2.987	90	60 - 140	0.0090	+/-0.50	
1,4-Difluorobenzene (1)	269769	3.588	303801	3.579	89	60 - 140	0.0090	+/-0.50	
Chlorobenzene-d5 (1)	201224	5.163	223280	5.159	90	60 - 140	0.0040	+/-0.50	
LCS (B312120-BS1)			Lab File ID: K22A178005.D			Analyzed: 06/27/22 11:32			
Bromochloromethane (1)	95331	2.996	92489	2.996	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	280257	3.588	269769	3.588	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	207277	5.164	201224	5.163	103	60 - 140	0.0010	+/-0.50	
Blank (B312120-BLK1)			Lab File ID: K22A178008.D			Analyzed: 06/27/22 13:13			
Bromochloromethane (1)	93861	2.996	92489	2.996	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	266922	3.588	269769	3.588	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	199569	5.164	201224	5.163	99	60 - 140	0.0010	+/-0.50	
SVE-3B (22F1493-09)			Lab File ID: K22A178014.D			Analyzed: 06/27/22 16:47			
Bromochloromethane (1)	90597	3.006	92489	2.996	98	60 - 140	0.0100	+/-0.50	
1,4-Difluorobenzene (1)	239945	3.593	269769	3.588	89	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	201981	5.164	201224	5.163	100	60 - 140	0.0010	+/-0.50	
Duplicate (B312120-DUP1)			Lab File ID: K22A178015.D			Analyzed: 06/27/22 17:15			
Bromochloromethane (1)	92499	3.001	92489	2.996	100	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	246906	3.593	269769	3.588	92	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	201286	5.164	201224	5.163	100	60 - 140	0.0010	+/-0.50	
SVE-Eff (22F1493-02)			Lab File ID: K22A178016.D			Analyzed: 06/27/22 17:43			
Bromochloromethane (1)	90899	3.001	92489	2.996	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	265084	3.593	269769	3.588	98	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	196075	5.163	201224	5.163	97	60 - 140	0.0000	+/-0.50	
SVE-1 Shallow (22F1493-03)			Lab File ID: K22A178017.D			Analyzed: 06/27/22 18:11			
Bromochloromethane (1)	89400	3.001	92489	2.996	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	250073	3.588	269769	3.588	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	193308	5.164	201224	5.163	96	60 - 140	0.0010	+/-0.50	
SVE-1 Medium (22F1493-04)			Lab File ID: K22A178018.D			Analyzed: 06/27/22 18:39			
Bromochloromethane (1)	90577	3.001	92489	2.996	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	247584	3.593	269769	3.588	92	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	192358	5.164	201224	5.163	96	60 - 140	0.0010	+/-0.50	
SVE-2 Shallow (22F1493-05)			Lab File ID: K22A178019.D			Analyzed: 06/27/22 19:07			
Bromochloromethane (1)	90991	3.001	92489	2.996	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	261173	3.588	269769	3.588	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	195873	5.163	201224	5.163	97	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
SVE-2 Medium (22F1493-06)			Lab File ID: K22A178020.D			Analyzed: 06/27/22 19:35			
Bromochloromethane (1)	88748	3.001	92489	2.996	96	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	249635	3.593	269769	3.588	93	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	192009	5.164	201224	5.163	95	60 - 140	0.0010	+/-0.50	
SS-A (22F1493-07)			Lab File ID: K22A178021.D			Analyzed: 06/27/22 20:03			
Bromochloromethane (1)	89518	3.006	92489	2.996	97	60 - 140	0.0100	+/-0.50	
1,4-Difluorobenzene (1)	237396	3.593	269769	3.588	88	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	193347	5.164	201224	5.163	96	60 - 140	0.0010	+/-0.50	
HSVE-2 (22F1493-11)			Lab File ID: K22A178022.D			Analyzed: 06/27/22 20:31			
Bromochloromethane (1)	89745	3.001	92489	2.996	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	250671	3.588	269769	3.588	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	188028	5.164	201224	5.163	93	60 - 140	0.0010	+/-0.50	
SVE-3A (22F1493-08)			Lab File ID: K22A178023.D			Analyzed: 06/27/22 20:59			
Bromochloromethane (1)	89251	3.001	92489	2.996	96	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	252289	3.588	269769	3.588	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	191988	5.164	201224	5.163	95	60 - 140	0.0010	+/-0.50	
SVE-Inf (22F1493-01)			Lab File ID: K22A178025.D			Analyzed: 06/27/22 21:56			
Bromochloromethane (1)	90284	3.001	92489	2.996	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	240558	3.593	269769	3.588	89	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	190645	5.164	201224	5.163	95	60 - 140	0.0010	+/-0.50	
HSVE-1 (22F1493-10)			Lab File ID: K22A178027.D			Analyzed: 06/27/22 23:36			
Bromochloromethane (1)	91860	3.001	92489	2.996	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	247818	3.593	269769	3.588	92	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	194235	5.164	201224	5.163	97	60 - 140	0.0010	+/-0.50	
SVE-Eff (22F1493-02RE1)			Lab File ID: K22A178028.D			Analyzed: 06/28/22 00:04			
Bromochloromethane (1)	91051	3.001	92489	2.996	98	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	239963	3.593	269769	3.588	89	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	192226	5.164	201224	5.163	96	60 - 140	0.0010	+/-0.50	
HSVE-2 (22F1493-11RE1)			Lab File ID: K22A178029.D			Analyzed: 06/28/22 00:34			
Bromochloromethane (1)	91652	2.996	92489	2.996	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	257062	3.588	269769	3.588	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	184509	5.163	201224	5.163	92	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073403-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.62	1.001504	0.9255501		-7.6	30	
Benzene	A	5.00	5.35	0.633704	0.6779964		7.0	30	
Benzyl chloride	A	5.00	8.32	0.4421081	0.7359202		66.5	30	*
Bromodichloromethane	A	5.00	5.25	0.4484742	0.4712713		5.1	30	
Bromoform	A	5.00	4.96	0.5313608	0.5272214		-0.8	30	
Bromomethane	A	5.00	5.10	0.56846	0.5794073		1.9	30	
1,3-Butadiene	A	5.00	5.19	0.4941294	0.5129432		3.8	30	
2-Butanone (MEK)	A	5.00	5.38	1.143339	1.231282		7.7	30	
Carbon Disulfide	A	5.00	5.05	2.101097	2.121385		1.0	30	
Carbon Tetrachloride	A	5.00	5.42	0.3583793	0.3881069		8.3	30	
Chlorobenzene	A	5.00	5.19	0.7307357	0.7584622		3.8	30	
Chloroethane	A	5.00	5.00	0.3728969	0.3731125		0.06	30	
Chloroform	A	5.00	5.40	1.205973	1.302226		8.0	30	
Chloromethane	A	5.00	4.98	0.5843503	0.5820541		-0.4	30	
Cyclohexane	A	5.00	5.66	0.2474396	0.2802457		13.3	30	
Dibromochloromethane	A	5.00	5.21	0.5365627	0.5592732		4.2	30	
1,2-Dibromoethane (EDB)	A	5.00	5.49	0.4696428	0.515684		9.8	30	
1,2-Dichlorobenzene	A	5.00	5.74	0.5425411	0.6232974		14.9	30	
1,3-Dichlorobenzene	A	5.00	5.83	0.5577685	0.6505785		16.6	30	
1,4-Dichlorobenzene	A	5.00	6.38	0.4841678	0.6180813		27.7	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	5.32	1.437368	1.529401		6.4	30	
1,1-Dichloroethane	A	5.00	5.76	0.9933117	1.14475		15.2	30	
1,2-Dichloroethane	A	5.00	5.43	0.7604954	0.8262864		8.7	30	
1,1-Dichloroethylene	A	5.00	5.15	1.025417	1.055382		2.9	30	
cis-1,2-Dichloroethylene	A	5.00	5.41	0.8174361	0.8840835		8.2	30	
trans-1,2-Dichloroethylene	A	5.00	5.58	0.8265571	0.922713		11.6	30	
1,2-Dichloropropane	A	5.00	5.26	0.2525551	0.2659164		5.3	30	
cis-1,3-Dichloropropene	A	5.00	5.55	0.4042268	0.4484311		10.9	30	
trans-1,3-Dichloropropene	A	5.00	5.78	0.2821754	0.3259203		15.5	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.21	1.571176	1.637194		4.2	30	
1,4-Dioxane	A	5.00	5.35	0.1252326	0.1339516		7.0	30	
Ethanol	A	5.00	4.71	0.2348114	0.2210512		-5.9	30	
Ethyl Acetate	A	5.00	5.92	0.1797762	0.2128686		18.4	30	
Ethylbenzene	A	5.00	5.60	1.166103	1.304942		11.9	30	
4-Ethyltoluene	A	5.00	6.11	1.091537	1.333312		22.1	30	
Heptane	A	5.00	5.55	0.2370975	0.2630814		11.0	30	
Hexachlorobutadiene	A	5.00	4.65	0.3846991	0.3574921		-7.1	30	
Hexane	L	5.00	5.34	0.6117314	0.674571		6.9	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073403-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.37	0.5293432	0.5686717		7.4	30
Isopropanol	A	5.00	5.06	1.233151	1.246713		1.1	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	6.96	1.403919	1.953253		39.1	30 *
Methylene Chloride	A	5.00	4.81	0.7749664	0.7448583		-3.9	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.61	0.1036732	0.1162654		12.1	30
Naphthalene	A	5.00	5.52	0.9067208	1.000899		10.4	30
Propene	A	5.00	4.74	0.4757755	0.4512364		-5.2	30
Styrene	A	5.00	6.11	0.6195572	0.7567606		22.1	30
1,1,2,2-Tetrachloroethane	A	5.00	5.34	0.7649521	0.8177792		6.9	30
Tetrachloroethylene	A	5.00	4.89	0.4025457	0.3939888		-2.1	30
Tetrahydrofuran	A	5.00	5.35	0.6192362	0.6620809		6.9	30
Toluene	A	5.00	5.52	0.9588753	1.057599		10.3	30
1,2,4-Trichlorobenzene	A	5.00	5.91	0.2888558	0.3416531		18.3	30
1,1,1-Trichloroethane	A	5.00	5.68	0.4005075	0.4553703		13.7	30
1,1,2-Trichloroethane	A	5.00	5.37	0.333956	0.3586928		7.4	30
Trichloroethylene	A	5.00	5.33	0.2669212	0.2843737		6.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.27	1.362748	1.437334		5.5	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.45	1.311243	1.428788		9.0	30
1,2,4-Trimethylbenzene	A	5.00	6.09	0.9101206	1.108615		21.8	30
1,3,5-Trimethylbenzene	A	5.00	6.08	0.9305716	1.131642		21.6	30
Vinyl Acetate	A	5.00	3.14	1.456769	0.9139076		-37.3	30 *
Vinyl Chloride	A	5.00	5.04	0.6700674	0.6760761		0.9	30
m&p-Xylene	A	10.0	12.2	0.9901728	1.203658		21.6	30
o-Xylene	A	5.00	5.78	0.9006378	1.041124		15.6	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	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22F1493

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 2

Company Name: MRP Associates
Address: 97 Scott Swamp Rd Farmington CT
Phone:
Project Name: NYS Site #130072
Project Location: 160 Cutter Mill Rd Great Neck, NY
Project Number: OSC location
Project Manager: Dave Fenwick
Pace Quote Name/Number:
Invoice Recipient:
Sampled By: Dave Adam

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

Dissolved Phase Samples:
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	TO-15 Low Vol
1	SVE-INF	6/22/22	7:38A	grab	A							X
2	SVE-EFF		7:31A									
3	SVE-1 shallow		8:23A									
4	SVE-1 medium		8:29A									
5	SVE-2 shallow		8:34A									
6	SVE-2 medium		8:38A									
7	SS-A		8:51A									
8	SVE-3A		9:14A									
9	SVE-3B		9:07A									
10	HSVE-1		9:34A									

Relinquished by: (signature) Date/Time: 6/23/22 11:00
Received by: (signature) Date/Time: 6/23/22 11:00
Relinquished by: (signature) Date/Time: 6/23/22 1:15
Received by: (signature) Date/Time: 6/23 1315
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 B,H directly to NYDEC Peyson Land Pace lab PM Buddy Beames

Detection Limit Requirements:
RL:
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

Lab Comments:
Not on ice!

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.

[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

[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)

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 2 of 2

Report To Name:	HRP Associates
Address:	127 Scott Swamp Rd Farmington, CT
Phone:	
Project Name:	NYS site #130072
Project Location:	110 Cuttermill Rd Great Neck, NY
Project Number:	DEC 1003 Am
Project Manager:	Dave Feinson
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Dave Adam

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/Field Sampled:
○ Field Filtered
○ Lab to Filter

Ordinary/Routine Samples:
○ Field Filtered
○ Lab to Filter

ANALYSIS REQUESTED

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐ Refer

TOGS 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~~
11	hSVE-2	6/22/22	9:46A	grab	A						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

[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)

	Date/Time:
Relinquished by: (signature)	6/23/22 11:00
Received by: (signature)	6/23/22 11:00
Relinquished by: (signature)	6/23/22 1:15
Received by: (signature)	6/23 1315
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements:
MA
CT RCP
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*

Lab Comments:
Not on ice!

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

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client WEP

Received By	SR		Date	6/23		Time	1315
How were the samples received?	In Cooler	T	On Ice			No Ice	T
	In Box		Ambient			Melted Ice	
Were samples within Temperature Compliance? 2-6°C			By Gun #			Actual Temp -	
			By Blank #			Actual Temp -	
Was Custody Seal Intact?	N/A				Were Samples Tampered with?		N/A
Was COC Relinquished ?	T				Does Chain Agree With Samples?		T
Are there any loose caps/valves on any samples?		F					
Is COC in ink/ Legible?	T						
Did COC Include all Pertinent Information?	Client	T	Analysis	T	Sampler Name		T
	Project	T	ID's	T	Collection Dates/Times		T
Are Sample Labels filled out and legible?		T					
Are there Rushes?	F		Who was notified?				
Samples are received within holding time?		T					
Proper Media Used?	T				Individually Certified Cans?		F
Are there Trip Blanks?	F				Is there enough Volume?		T

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

Can #'s					Reg #'s				
Unused Media					**Pufs/TO-17's**				

Comments:

APPENDIX D

Monthly Groundwater Level Measurements

Stanton Cleaners Area Superfund Site
Water Level Data Summary

Site: Stanton Cleaners Area Superfund Site

Location: 110 Cutter Mill Road, Great Neck, NY

Field Personnel: CJL

Date: 4-26-22

Project #: DEC·1003.0M

Well ID	Depth to Water (feet)	Time (AM)	Notes
EPA-MW-11D	53.85	7:33	No bolts
EPA-MW-21R	61.85	7:13	1 bolt tab broken, BHS
EPA-MW-23	60.04	7:09	BHS
EPA-MW-26	55.25	8:05	No bolts
EPA-MW-27	46.86	7:19	No HW, needs repair
EPA-MW-9A	58.55	7:29	No bolts
ST-MW-11	54.61	7:35	No bolts
ST-MW-12	66.08	7:43	bolt tab broken
ST-MW-13	81.96	7:58	No bolts
ST-MW-14	50.46	7:21	bolt tabs broken
ST-MW-15	68.81	7:53	No bolts
ST-MW-16	51.51	8:08	~~No HW~~ skirt bolts, tab broken Needs repair
ST-MW-17	65.64	7:41	No bolts
ST-MW-18	65.37	7:46	No HW skirt, need repair
ST-MW-19	60.80	7:26	No bolts
ST-MW-20	65.11	7:38	No bolts

Stanton Cleaners Area Superfund Site
Water Level Data Summary

Site: Stanton Cleaners Area Superfund Site

Location: 110 Cutter Mill Road, Great Neck, NY

Field Personnel: KG

Date: 5/26/22

Project #: DEC10030M

Well ID	Depth to Water (feet)	Time	Notes
EPA-MW-11D	57.63	6:53	no bolts
EPA-MW-21R	63.66	6:41	bolt holes stripped
EPA-MW-23	61.75	6:39	bolt holes stripped
EPA-MW-26	56.58	7:20	bolt tabs broken
EPA-MW-27	49.05	6:44	no bolts
EPA-MW-9A	61.12	6:51	need new HW
ST-MW-11	57.95	6:55	no bolts
ST-MW-12	68.87	7:02	no bolts
ST-MW-13	83.66	7:15	no bolts
ST-MW-14	57.30	6:46	bolt tabs broken, ponded water
ST-MW-15	70.68	7:10	no bolts
ST-MW-16	51.96	7:23	bolt tabs broken
ST-MW-17	68.52	7:00	no bolts
ST-MW-18	74.59	7:05	needs new HW
ST-MW-19	63.07	6:48	no bolts
ST-MW-20	73.10	6:58	no bolts

Stanton Cleaners Area Superfund Site
Water Level Data Summary

Site: Stanton Cleaners Area Superfund Site

Location: 110 Cutter Mill Road, Great Neck, NY

Field Personnel: CJL

Date: 6-22-22

Project #: DEC 1003-OM

Well ID	Depth to Water (feet)	Time	Notes
EPA-MW-11D	57.51	7:35A	No bolts
EPA-MW-21R	64.12	7:10	1 bolt tab broken, BHS
EPA-MW-23	62.18	7:07	BHS
EPA-MW-26	57.00	7:18	No bolts
EPA-MW-27	49.45	7:26	No bolts
EPA-MW-9A	61.45	7:32	No HW, needs repair
ST-MW-11	58.15	7:38	No bolts
ST-MW-12	69.27	7:46	No bolts
ST-MW-13	84.14	8:02	No bolts
ST-MW-14	56.06	7:25	bolt tabs broken
ST-MW-15	71.38	7:57	No bolts
ST-MW-16	52.23	7:14	bolt tabs broken
ST-MW-17	68.76	7:45	No bolts
ST-MW-18	74.18	7:50	No HW skirt, needs repair
ST-MW-19	65.53	7:29	No bolts
ST-MW-20	71.58	7:43	No bolts

APPENDIX E
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	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual		
13	Emergency Lighting Testing	Monthly		

Inspected By: DJA/CJL
Inspection Date: 4/26/22

Other Items Noted:

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

Monthly Fire Safety Inspection Items			
Item	Description	Result	
1	Exit signs internally or externally illuminated	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	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual	5-12-22	5-12-23
13	Emergency Lighting Testing	Monthly		

Inspected By: KG
Inspection Date: 5-26-22

Other Items Noted:

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

Monthly Fire Safety Inspection Items			
Item	**Description**	**Result**	
1	Exit signs internally or externally illuminated	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	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual	5-12-22	5-12-23
13	Emergency Lighting Testing	Monthly		

Inspected By: AJA/CJL
Inspection Date: 6/22/22

Other Items Noted: