



April 14, 2023

Ms. Marnie Chancey
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233

RE: Site Characterization – Groundwater and Soil Vapor Results
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, New York
HRP Project No. DEC1035.P2

Dear Ms. Chancey:

HRP Associates, Inc. (HRP) has prepared this letter to summarize the results of the groundwater and soil vapor investigations associated with the 473 President Street Off-Site Site Characterization (SC). The investigation activities were performed in the area surrounding three active Brownfield Cleanup Program (BCP) Sites (referred to hereinafter as “the Sites”) located on adjoining parcels in the Gowanus neighborhood of Brooklyn, New York. The Sites include 473 President Street (Site No. C224220), the President Street Portfolio (Site No. C224309) which consists of two non-contiguous parcels located at 469 President Street (E Waste Parcel) and 532 Union Street (Pontone Parcel), and 514 Union Street (Site No. C224318). The Site locations are depicted in **Figure 1** and in relation to the off-site investigation sample locations on **Figure 2**.

The purpose of the SC is to identify potential impacts to off-site soil vapor and groundwater related to chlorinated volatile organic compound (CVOC) contamination found at the Sites. The remainder of this letter describes geology and hydrogeology of the study area, SC field activities, and results from SC sampling. Investigation work described herein was conducted in October 2022 and January 2023. The work was completed in general accordance with the SC Work Plan dated September 23, 2022.

Geology and Hydrogeology

The Sites and surrounding area are relatively flat and lie at an elevation of approximately 12 ft above mean sea level (amsl). Regional topography slopes west towards the Gowanus Canal.

The USGS “Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey” indicate the bedrock underlying the Sites is part of the Hartland Formation, a mica-schist and quartz feldspar granulite. Bedrock was not encountered during the off-site investigation or during any of the on-site investigations reviewed by HRP. Bedrock is overlain by unconsolidated coastal plain deposits belonging to the Upper Cretaceous Monmouth Group, Matawan Group, and Magothy Formation which consist of silty clay, glauconitic sandy clay, sand, and gravel (Fisher et al., 1970).

Based on off-site soil borings installed to a maximum depth of 20 feet below grade (ft bg), soils generally consist of brown sand with varying amounts of silt and gravel overlain by up to 10 feet of fill material

consisting of silty sand and gravel with varying amounts of concrete, cinders and coal ash, and brick. Soil boring logs from the SC are included in monitoring well and soil vapor point construction logs in **Attachment A**.

During the off-site investigation groundwater was encountered at depths ranging from 8-9 feet below sidewalk grade. Based on depth to water measurements collected on January 25, 2023 from off-site monitoring wells HRP-MW-1 through HRP-MW-5, groundwater elevations ranged from 1.26-1.80 ft amsl. The groundwater elevation measurements suggest a groundwater ridge is present, subparallel to Union Street causing groundwater to flow away from Union Street to the north and south. A groundwater elevation map prepared from the January depth to water measurements is depicted on **Figure 3** and groundwater elevations are presented on **Table 1**. Groundwater elevation surveys performed for on-site investigations indicate groundwater beneath the Sites flows west-northwest towards the intersections of Union Street and Nevins Street and the Gowanus Canal. Groundwater flow in the off-site area is likely influenced by underground utilities and other preferential pathways.

Field Activities

Monitoring Well Installation, Development, and Sampling

HRP conducted oversight of their drilling contractor, Island Pump & Tank (IPT) during the installation of five monitoring wells: HRP-MW-1, installed October 17, 2022, and HRP-MW-2 through HRP-MW-5, installed on January 16-17, 2023. The monitoring well locations were selected based on locations of on-site CVOC impacts and off-site receptors. The monitoring well locations are depicted in **Figure 2**.

Each well was installed using the hollow stem auger and direct push methods to depths ranging from 16-17 ft bg. During installation, soil samples were collected continuously in 5-foot intervals, logged, screened for visual and olfactory evidence of contamination (i.e. staining and odors) and screened for VOCs using a calibrated photoionization detector (PID). Each well was constructed using a schedule 40, 2-inch diameter polyvinyl chloride (PVC) riser and 10 feet of screen. Each well was developed using a submersible pump and development water was containerized for off-site disposal. Monitoring well construction and development logs are included in **Attachment A**. In accordance with the SC Work Plan, a Community Air Monitoring Plan (CAMP) was implemented during monitoring well installation. VOC and particulate readings recorded during intrusive activities are included in **Attachment B**.

HRP conducted groundwater sampling at HRP-MW-1 on October 27, 2023 and at HRP-MW-2 through HRP-MW-5 on January 24, 2023. Groundwater samples were collected in general accordance with EPA low flow guidelines and the SC Work Plan. Low flow sampling logs are included in **Attachment A**.

Groundwater samples collected from HRP-MW-1 through HRP-MW-5 were analyzed for total compound list (TCL) VOCs via EPA Method 8260 by Pace Analytical (Pace), an Environmental Laboratory Approval Program (ELAP) laboratory. For QA/QC purposes, duplicate, matrix spike (MS), and matrix spike duplicate (MSD) samples were collected from HRP-MW-1.

Soil Vapor Point Installation and Sampling

HRP conducted oversight of IPT during the installation of 18 soil vapor points: SV-1 through SV-14 installed on October 17-19, 2022 and SV-15 through SV-18 installed on January 16-17, 2023. The soil

vapor point locations were selected based on locations of on-site CVOC impacts and off-site receptors. Soil vapor point locations are depicted in **Figure 2**.

Soil vapor points were installed to depths of 6-7 ft bg using the direct push method. During the installation of SV-1 through SV-14, soil samples were collected continuously, screened, and logged as described above. Soil sampling and logging was not performed at SV-15 through SV-18 as sampling and logging was performed at co-located monitoring wells, HRP-MW-2 through HRP-MW-5. Soil vapor points were constructed using 6-inch-long stainless steel screens and Teflon tubing. The annular space around each steel screen was backfilled with glass beads and sealed with 2 feet of hydrated bentonite pellets. Soil vapor point construction logs are included in **Attachment A**. CAMP was implemented during soil vapor point installation. VOC and particulate readings recorded during intrusive activities are included in **Attachment B**.

Soil vapor samples were collected on October 20 and 27, 2022 and January 18, 2023. Prior to sampling, a helium leak test was performed and a minimum of three volumes of air was purged from each soil vapor point. Outdoor air samples were collected at a frequency of one sample per day of sampling. Each soil vapor and outdoor sample was collected using a 6-liter summa canister equipped with a 2-hour regulator. For QA/QC purposes, duplicate soil vapor samples were collected from SV-9 and SV-18. Soil vapor and outdoor air samples were analyzed for VOCs via EPA Method TO-15 by Pace. Soil vapor sampling logs are included in **Attachment A**.

Findings

Groundwater

Off-site groundwater analytical results indicate that VOCs are present at concentrations exceeding NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Criteria in four of the five off-site monitoring wells. The VOCs trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), vinyl chloride, and 2-butanone were detected at concentrations exceeding Class GA Criteria in HRP-MW-1. VOCs were not detected at concentrations exceeding Class GA Criteria in the remaining off-site wells with the exception of tetrachloroethene (PCE), detected in HRP-MW-2 and HRP-MW-4, and toluene detected in HRP-MW-5. VOCs were not detected at concentrations exceeding Class GA Criteria in HRP-MW-3. Groundwater analytical results are presented on **Table 2** and are depicted on **Figure 4**. Laboratory analytical reports are included in **Attachment C**.

Soil Vapor

Off-site soil vapor analytical results indicate that VOCs were detected at concentrations exceeding laboratory reporting limits in each of the soil vapor samples collected. One or more CVOCs, including PCE, TCE, and cis-1,2-DCE were detected at concentrations exceeding laboratory reporting limits in each of the soil vapor samples.

Soil vapor and outdoor air analytical results are presented on **Table 3A**. Soil vapor point and outdoor air sample analytical results for VOCs included in the 2017 New York State Department of Health (NYSDOH) Soil Vapor/Indoor Air matrices are presented on **Table 3B** and depicted on **Figure 5**. Laboratory analytical reports are included in **Attachment C**.

Ms. Marnie Chancey
Site Characterization – Preliminary Results
473 President Street Off-Site, Site No. C224220A
473 President Street, Brooklyn, New York
April 14, 2023
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Data Validation and Usability

Data validation of the groundwater and soil vapor analytical results was completed by Nancy Weaver of Environmental Data Services, Inc. The Data Usability Summary Reports (DUSRs) for the analytical results indicate that no data was deemed to be unusable. The laboratory analytical reports are included in **Attachment C** and the accompanying DUSRs are included in **Attachment D**.

If you have any questions or require additional information, please feel free to contact HRP at (518) 877-7101.

Sincerely,
HRP Associates, Inc.



Patrick Montuori, P.G.
Project Manager

Attachment:

Figures

Tables

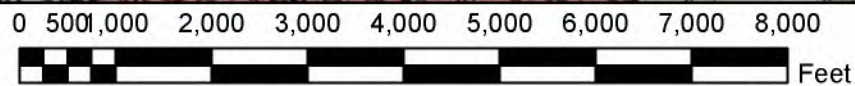
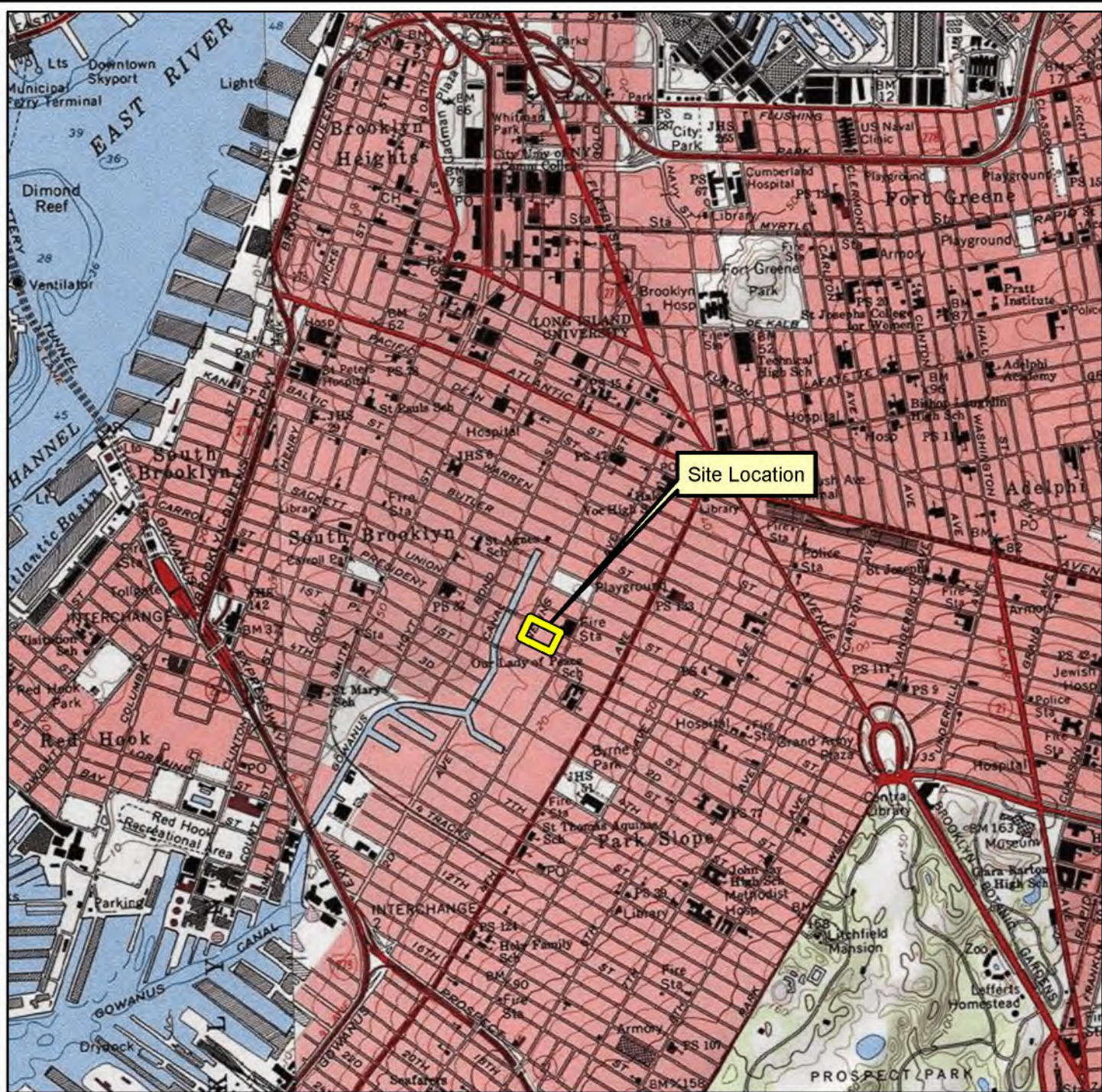
Attachment A – Field Logs

Attachment B – CAMP Data

Attachment C – Laboratory Analytical Reports

Attachment D – Data Usability Summary Reports (DUSRs)

FIGURES



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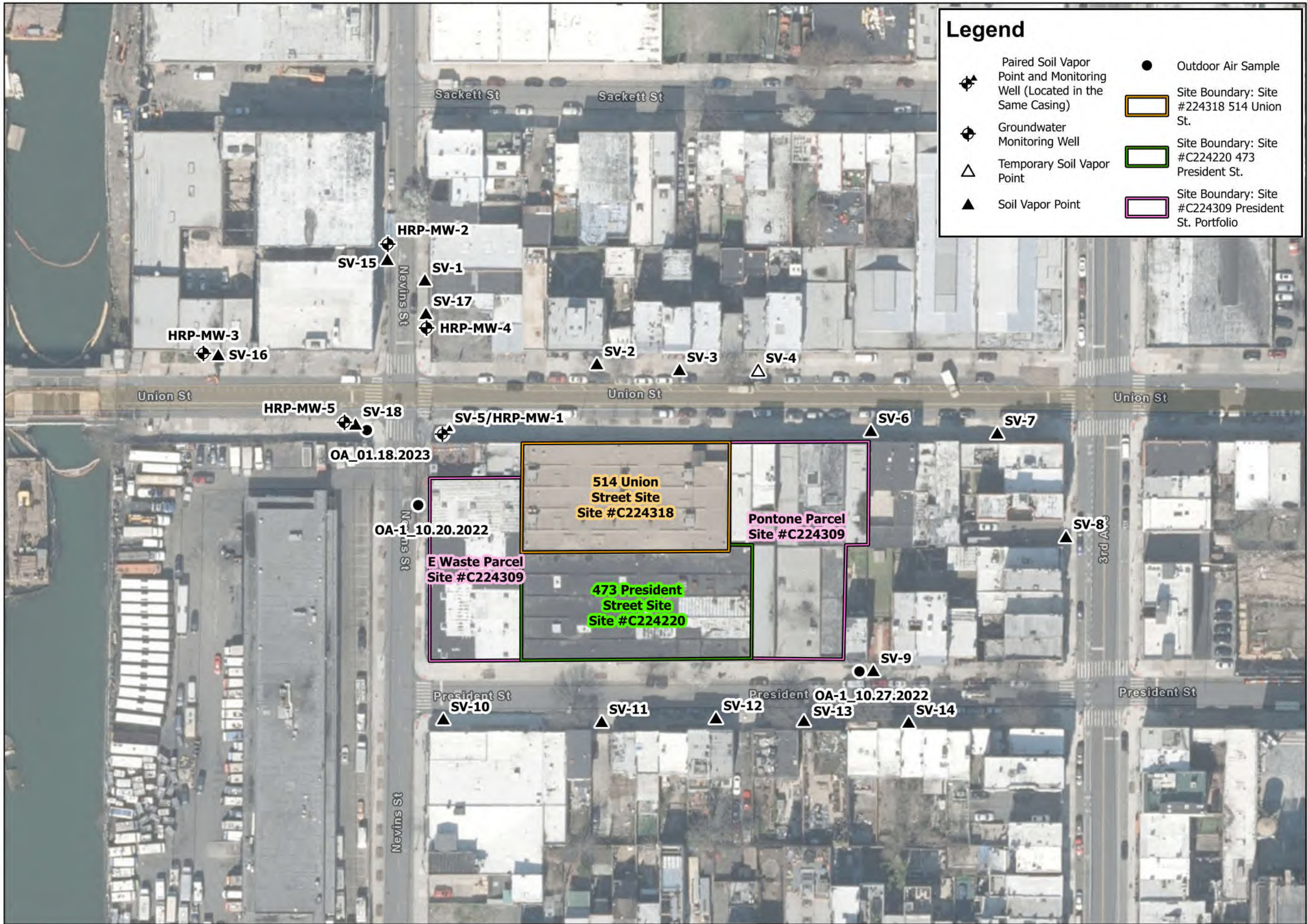
Figure 1
Site Location
473 President Street Off-Site
Site: C224220A
473 Presidents Street
Brooklyn, New York
HRP # DEC1035.P2
Scale 1" = 2,000'

USGS Quadrangle Information
 Quad ID: 40073-F8
 Name: Brooklyn, New York
 Date Rev: 1995
 Date Pub: 1999



ONE FAIRCHILD SQUARE
 SUITE 110
 CLIFTON PARK, NY 12065
 (518) 877-7101
 HRPASSOCIATES.COM

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Legend

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Outdoor Air Sample

○

Site Boundary: Site #224318 514 Union St.

○

Site Boundary: Site #C224220 473 President St.

○

Site Boundary: Site #C224309 President St. Portfolio

⊕

Paired Soil Vapor Point and Monitoring Well (Located in the Same Casing)

⊕

Groundwater Monitoring Well

△

Temporary Soil Vapor Point

▲

Soil Vapor Point

HRP

MOVE YOUR ENVIRONMENT FORWARD

ONE FAIRCHILD SQUARE

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North

0

40

80

Feet

Revisions	No.	Date			
Designed By:	CMS		Drawn By:	EWJ	
Issue Date:	04/04/2023		Project No:	DEC1035.P2	
Soil Vapor and Groundwater Investigation Locations	473 President Street Site Off-Site Site #C224220A 473 President Street Brooklyn, new York				
Figure No. 2					

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HRP
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North

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Revisions	No.	Date
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Reviewed By:	PWM	
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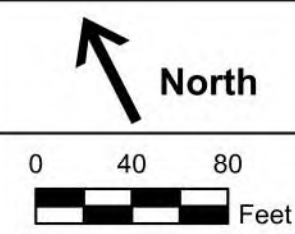
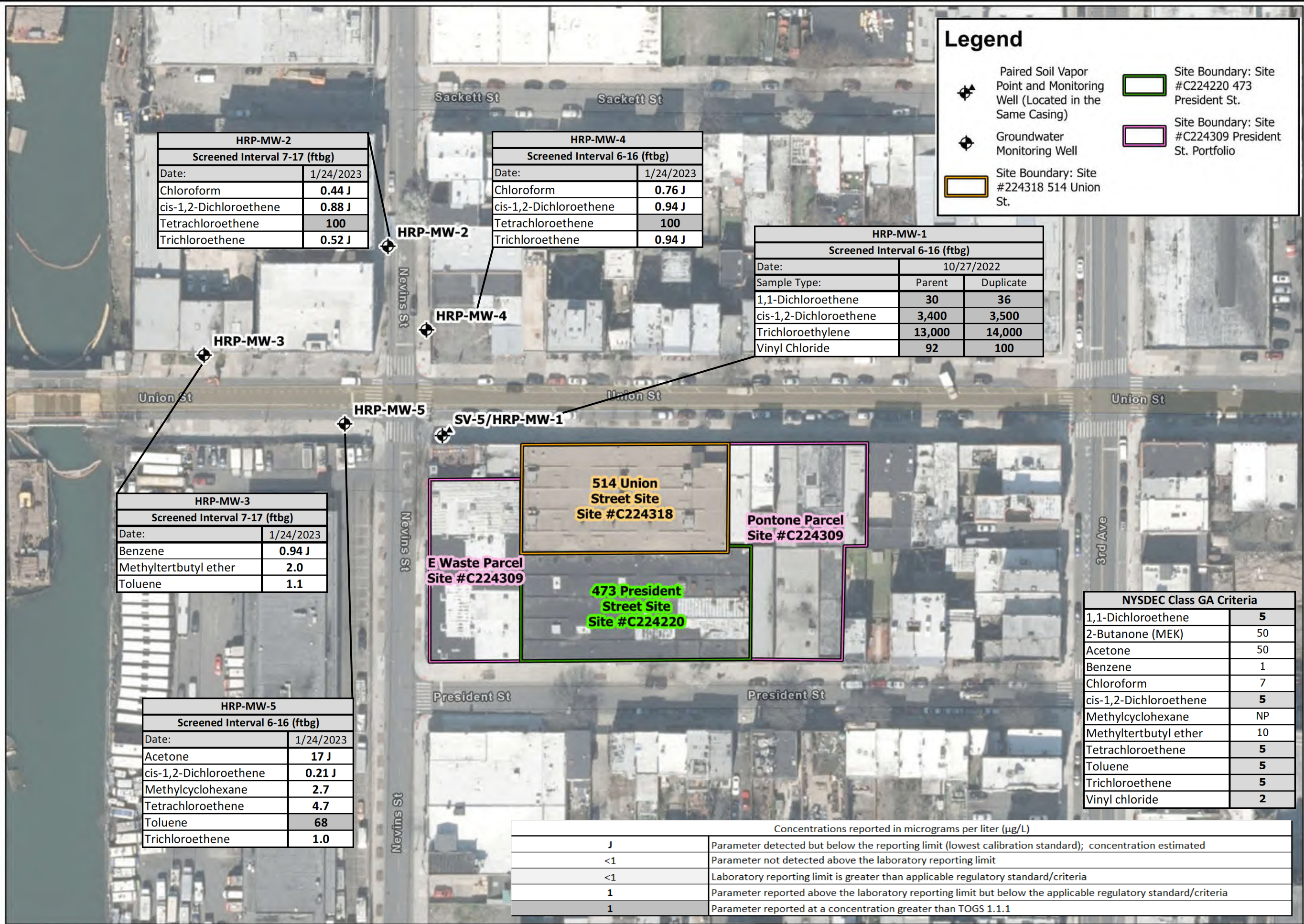
- Site Boundary: Site #224318 514 Union St.
- Site Boundary: Site #C224309 President St. Portfolio
- Site Boundary: Site #C224220 473 President St.
- Groundwater Flow Direction
- Groundwater Monitoring Well
- Paired Soil Vapor Point and Monitoring Well (Located in the Same Casing)
- Groundwater Elevation - ft amsl (1-25-2023) Dashed Where Inferred

Groundwater Elevations
Collected 1/25/2023

473 President Street Site Off-Site
Site #C224220A
473 President Street
Brooklyn, new York

Figure No.
3

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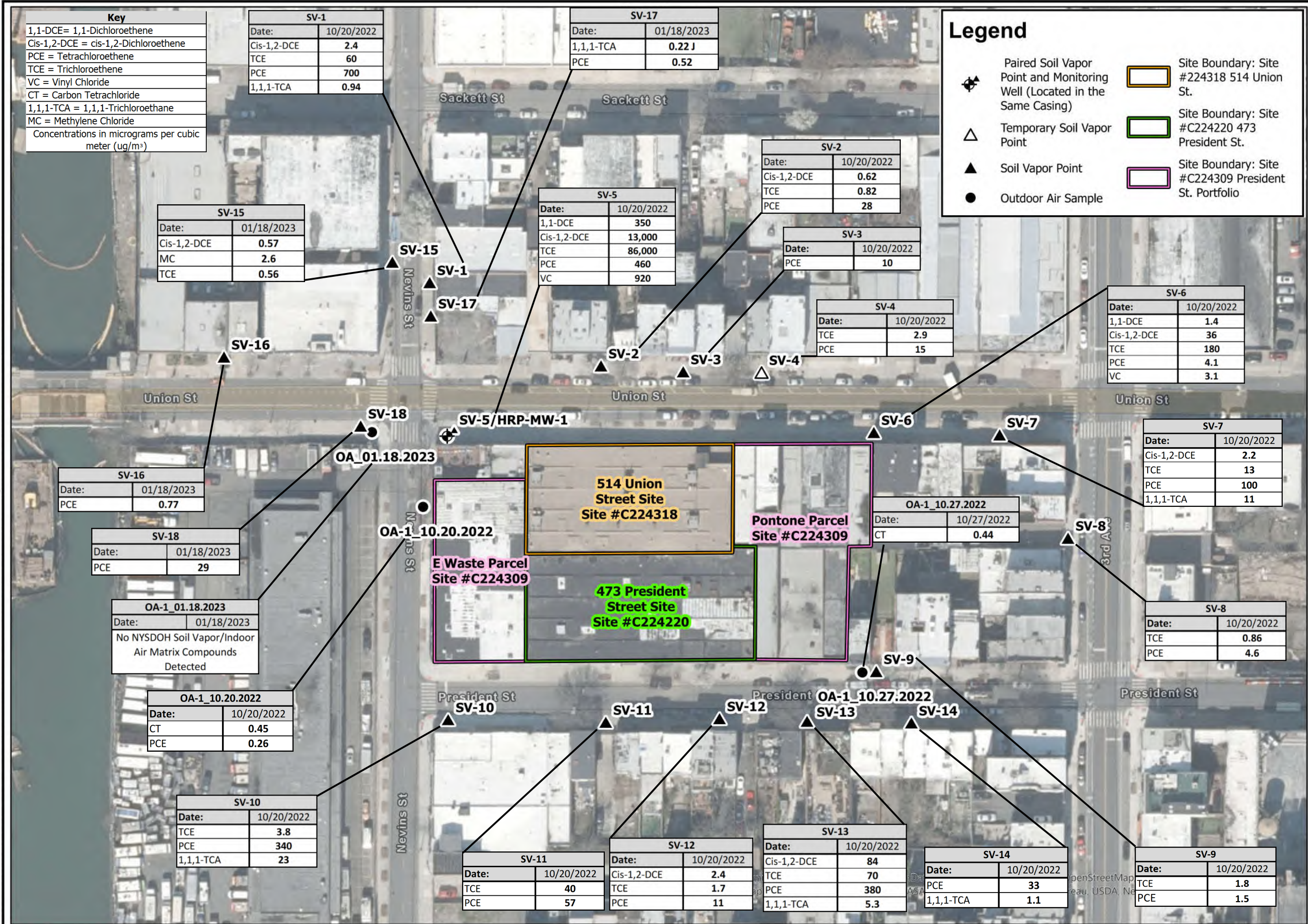
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Reviewed By:	PWM

Issue Date:	04/04/2023
Project No:	DEC1035.P2
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Off-Site Groundwater
VOC Detections

473 President Street Site Off-Site
Site #C224220A
473 President Street
Brooklyn, New York

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TABLES

Table 1
Well Construction and Groundwater Elevation
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, NY

Monitoring Well Designation	MW-1	MW-2	MW-3	MW-4	MW-5
Installation Date	10/17/2022	1/16/2023	1/16/2023	1/17/2023	1/16/2023
Top of Casing Elevation (ft amsl)	9.81	9.26	10.99	9.84	9.87
Screened Interval (ft btoc)	6-16	7-17	7-17	6-16	6-16
Well Diameter (inches)	2	2	2	2	2
	Gauging Data				
Depth to Water (ft btoc)	8.38	8.00	9.19	8.44	8.41
Date	1/25/2023	1/25/2023	1/25/2023	1/25/2023	1/25/2023
Groundwater Elevation (ft amsl)	1.43	1.26	1.8	1.40	1.46
Measured Depth to Bottom (ft btoc)	15.36	16.79	16.3	15.67	15.12

LEGEND	
ft btoc	feet below top of casing
ft amsl	feet above mean sea level



Table 2
Groundwater Laboratory Analytical Results (Detections Only)
Volatile Organic Compounds
473 President Street Off-Site
NYSDEC Site No. C224220
473 President Street
Brooklyn, NY

Lab Report No.:	NYSDEC Class GA Criteria	22J4293-01	22J4293-02	23A2674-03	23A2674-02	23A2674-04	23A2674-01
Sample Name:		HRP-MW-1	DUP-1_10.27.22	HRP-MW-2	HRP-MW-3	HRP-MW-4	HRP-MW-5
Date Collected:		10/27/2022	10/27/2022	01/24/2023	01/24/2023	01/24/2023	01/24/2023
Volatile Organic Compounds (VOCs) (µg/L)							
1,1-Dichloroethene	5	30 J	36 J	< 2	< 1	< 2	< 1
2-Butanone (MEK)	50	< 4,000	440 J	< 40	< 20	< 40	< 20
Acetone	50	< 10,000	< 10,000	< 100	< 50	< 100	17 J
Benzene	1	< 200	<200	< 2	0.94 J	< 2	< 1
Chloroform	7	< 400	<400	0.44 J	< 2	0.76 J	< 2
cis-1,2-Dichloroethene	5	3,400	3,500	0.88 J	< 1	0.94 J	0.21 J
Methylcyclohexane	NP	92 J	<200	< 2	< 1	< 2	2.7
Methyltertbutyl ether	10	< 200	<200	< 2	2.0	< 2	< 1
Tetrachloroethene	5	< 200	<200	100	< 1	100	4.7
Toluene	5	< 200	<200	< 2	1.1	< 2	68
Trichloroethene	5	13,000	14,000	0.52 J	< 1	0.94 J	1.0
Vinyl chloride	2	92 J	100 J	< 4	< 2	< 4	< 2

Notes
µg/L= micrograms/liter
NP = not promulgated
J = Detected but below the reporting limit (lowest calibration standard); therefore, result is an estimated concentration
Dup-1_10.27.22 collected from HRP-MW-1

<1	Parameter not detected above the laboratory reporting limit or method detection limit (reporting limit shown)
<1	Laboratory reporting limit is greater than applicable regulatory standard/criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criteria
1	Parameter reported at a concentration greater than Technical and Operational Guidance Series 1.1.1 Class GA Criteria



Table 3A
Soil Vapor Laboratory Analytical Results (Detections Only)
Volitile Organic Compounds
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, NY

ID:	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-10	SV-11	SV-12	SV-13	SV-14	OA-1_10.20.22
Date Collected:	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022
Lab Report No:	22J3301-01	22J3301-02	22J3301-03	22J3301-04	22J3301-05	22J3301-06	22J3301-07	22J3301-08	22J3301-10	22J3301-11	22J3301-12	22J3301-13	22J3301-14	22J3301-15
Sample Type:	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	OA
Volatile Organic Compounds (VOCs) (ug/m³)														
1,1,1-Trichloroethane	0.94 J	< 1.1	< 1.1	< 1.1	< 110	< 1.1	11	< 1.1	23	< 1.1	< 1.1	5.3	1.1	< 0.19
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 6.1	< 6.1	< 6.1	< 6.1	< 610	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	1.7 J	< 6.1	0.40 J
1,1-Dichloroethane	< 0.81	< 0.81	< 0.81	< 0.81	< 81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	1.3	< 0.81	< 0.14
1,1-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.79	350	1.4	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.14
1,2,4-Trimethylbenzene	1.4	2	1.4	1.5	< 98	1	1.5	1.1	1.5	1.8	1.9	1.7	2.3	0.22
1,3 Butadiene	< 0.44	< 0.44	< 0.44	< 0.44	< 44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	0.082
1,3,5-trimethyl-benzene	< 0.98	0.55 J	< 0.98	< 0.98	< 98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.17
1-Ethyl-4-methyl-benzene	< 0.98	0.92 J	< 0.98	< 0.98	< 98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.17
2-Butanone (MEK)	< 24	< 24	< 24	< 24	< 2400	< 24	< 24	13 J	8.4 J	9.0 J	< 24	< 24	< 24	< 4.1
2-Hexanone (Methyl butyl ketone/MBK)	0.44 J	0.69 J	0.52 J	0.67 J	< 82	< 0.82	0.59 J	0.87	0.97	< 0.82	< 0.82	< 0.82	0.52 J	< 0.14
Acetone	36	32	25	94	< 1900	< 19	36	74	57	150	67	32	29	7.7
Benzene	0.87	< 0.64	< 0.64	1	100	3.7	1.2	2.7	2.8	1.5	24	2	0.98	0.57
Bromodichloromethane	< 1.3	< 1.3	< 1.3	1.3 J	< 130	< 1.3	< 1.3	< 1.3	9.4	28	< 1.3	< 1.3	< 1.3	< 0.24
Carbon disulfide	1.3 J	1.4 J	1.2 J	4.2 J	< 620	2.3 J	2.7 J	4.3 J	5.4 J	8.4	5.9 J	1.3 J	3.1 J	< 1.1
Carbon tetrachloride	< 1.3	< 1.3	< 1.3	< 1.3	< 130	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	0.45
Chloroform	13	5	36	47	1,100	5.4	7.5	13	260	480	16	20	25	< 0.17
Chloromethane	< 0.83	< 0.83	0.37 J	< 0.83	< 83	0.43 J	< 0.83	< 0.83	< 0.83	< 0.83	0.51 J	< 0.83	< 0.83	0.9
cis-1,2-Dichloroethene	2.4	0.62 J	< 0.79	< 0.79	13,000	36	2.2	< 0.79	< 0.79	< 0.79	2.4	84	< 0.79	< 0.14
Cyclohexane	< 0.69	< 0.69	< 0.69	< 0.69	560	2.3	1.4	< 0.69	0.76	1.5	1.1	< 0.69	< 0.69	0.15
Dibromochloromethane	< 1.7	< 1.7	< 1.7	2.3	< 170	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 0.3
Dichlorodifluoromethane	3.6	1.9	2.1	2	< 99	1.9	1.8	1.7	1.9	2	2	1.8	1.7	1
Ethanol	10 J	11 J	11 J	9.9 J	710 J	9.8 J	12 J	11 J	10 J	23	10 J	18	14 J	8.3
Ethylbenzene	< 0.87	< 0.87	< 0.87	0.57 J	< 87	< 0.87	0.61 J	< 0.87	< 0.87	1	0.56 J	< 0.87	< 0.87	0.2
Heptane	< 0.82	< 0.82	< 0.82	0.64 J	< 82	14	1.1	0.87	1.7	1.7	0.77 J	1.3	< 0.82	1.4
Hexachloro-1,3-butadiene	< 2.1	< 2.1	< 2.1	< 2.1	< 210	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 0.37
Hexane	< 28	< 28	< 28	< 28	< 2800	440	< 28	< 28	4.3 J	16 J	4.5 J	< 28	< 28	1.7 J
Isopropyl Alcohol	100	84	69	70	< 2000	67	100	65	57	110	74	60	82	1.6 J
m,p-Xylene	1.3 J	1.7 J	1.3 J	2.2	< 170	1.5 J	2.2	1.1 J	1.7 J	3.4	2.1	1.9	1.5 J	0.62
Methyl isobutyl ketone (MIBK)	< 0.82	< 0.82	< 0.82	0.57 J	< 82	< 0.82	< 0.82	0.87	0.77 J	< 0.82	< 0.82	< 0.82	0.75 J	0.16
Naphthalene	< 1	< 1	< 1	< 1	< 100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.25
o-Xylene	0.50 J	0.92	0.56 J	1.1	< 87	0.59 J	0.87	0.52 J	0.66 J	1.3	0.87	0.78 J	0.66 J	0.25
Propene	< 14	< 14	< 14	4.2 J	< 1400	< 14	6.9 J	< 14	12 J	< 14	14	< 14	< 14	< 2.4
Styrene	< 0.85	< 0.85	< 0.85	< 0.85	< 85	< 0.85	< 0.85	< 0.85	< 0.85	1.8	< 0.85	< 0.85	< 0.85	< 0.15
Tetrachloroethene	700	28	10	15	460	4.1	100	4.6	340	57	11	380	33	0.26
Tetrahydrofuran	< 5.9	< 5.9	< 5.9	2.3 J	< 590	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	5.7 J	240	< 5.9	< 1
Toluene	2.2	2.1	2.1	2.8	45 J	3.3	4.9	2.1	3.3	3.7	5.4	2.6	2.6	2.2
trans-1,2-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.79	< 79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	3.9	< 0.79	< 0.14
Trichloroethene	60	0.82 J	< 1.1	2.9	86,000	180	13	0.86 J	3.8	40	1.7	70	< 1.1	< 0.19
Trichlorofluoromethane	5.7	9.6	19	11	< 450	1.5 J	17	< 4.5	1.6 J	< 4.5	< 4.5	1.5 J	< 4.5	1
Vinyl chloride	< 0.51	< 0.51	< 0.51	< 0.51	920	3.1	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.09

Legend	
<1	Parameter not detected above the laboratory reporting limit or method detection limit (reporting limit shown)
1	Parameter reported above the laboratory reporting limit

Notes:
µg/m³ - micrograms per cubic meter
NP = Standard not promulgated
J=Detected but below the reporting limit (lowest calibration standard); therefore, result is an estimated concentration
SV = Soil Vapor
SVD = Soil Vapor Duplicate
OA = Outdoor Air

Table 3A
Soil Vapor Laboratory Analytical Results (Detections Only)
Volatile Organic Compounds
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, NY

ID:	SV-9	DUP-1-10.27.22	OA-1_10.27.2022
Date Collected:	10/27/2022	10/27/2022	10/27/2022
Lab Report No:	22J4339-01	22J4339-02	22J4339-03
Sample Type:	SV	SVD	OA
Volatile Organic Compounds (VOCs) (ug/m³)			
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 6.1	< 6.1	0.40 J
1,2,4-Trimethylbenzene	< 0.98	< 0.98	0.16 J
2-Butanone (MEK)	< 24	< 24	1.4 J
2-Hexanone (Methyl butyl ketone/MBK)	< 0.82	< 0.82	0.44
Acetone	12 J	14 J	9.1
Benzene	< 0.64	< 0.64	0.31
Carbon disulfide	1.0 J	1.1 J	< 1.1
Carbon tetrachloride	< 1.3	< 1.3	0.44
Chloroform	9.1	10	< 0.17
Chloromethane	< 0.83	< 0.83	0.87
Dichlorodifluoromethane	2.2	2	1
Ethanol	12 J	12 J	13
Ethylbenzene	< 0.87	< 0.87	0.12 J
Heptane	< 0.82	< 0.82	0.19
Isopropyl Alcohol	96	110	9.2
m,p-Xylene	< 1.7	< 1.7	0.37
Methyl isobutyl ketone (MIBK)	< 0.82	< 0.82	0.26
Naphthalene	< 1	< 1	0.19
o-Xylene	< 0.87	< 0.87	0.15 J
Propene	< 14	< 14	0.67 J
Tetrachloroethene	1.5	1.7	< 0.24
Toluene	0.60 J	0.62 J	0.71
Trichloroethene	1.8	2.1	< 0.19
Trichlorofluoromethane	< 4.5	< 4.5	1

Legend

<1	Parameter not detected above the laboratory reporting limit or method detection limit (reporting limit shown)
1	Parameter reported above the laboratory reporting limit

Notes:

µg/m³ - micrograms per cubic meter

NP = Standard not promulgated

J=Detected but below the reporting limit (lowest calibration standard); therefore, result is an estimated concentration

SV = Soil Vapor

SVD = Soil Vapor Duplicate

OA = Outdoor Air

DUP-1-10.27.22 collected at SV-9

Table 3A
Soil Vapor Laboratory Analytical Results (Detections Only)
Volatile Organic Compounds
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, NY

ID:	SV-15	SV-16	SV-17	SV-18	DUP-1.18.23	OA-1_1.18.2023
Date Collected:	01/18/2023	01/18/2023	01/18/2023	01/18/2023	01/18/2023	01/18/2023
Lab Report No:	23A2216-05	23A2216-04	23A2216-06	23A2216-02	23A2216-01	23A2216-03
Sample Type:	SV	SV	SV	SV	SVD	OA
Volatile Organic Compounds (VOCs) (ug/m³)						
1,1,1-Trichloroethane	< 0.27	< 0.27	0.22 J	< 16	< 16	< 0.27
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.5	0.74 J	0.47 J	< 92	< 92	< 1.5
1,1-Dichloroethane	< 0.2	< 0.2	0.19 J	< 12	< 12	< 0.2
1,2,4-Trimethylbenzene	0.81	5.9	1.2	< 15	< 15	0.12 J
1,2-Dichloroethane	< 0.2	< 0.2	0.53	< 12	< 12	< 0.2
1,3 Butadiene	< 0.11	< 0.11	< 0.11	< 6.6	< 6.6	0.11
1,3,5-trimethyl-benzene	0.17 J	0.99	0.29	< 15	< 15	< 0.25
1-Ethyl-4-methyl-benzene	0.21 J	1.4	0.37	< 15	< 15	< 0.25
2-Butanone (MEK)	< 5.9	4.6 J	< 5.9	< 350	< 350	< 5.9
2-Hexanone (Methyl butyl ketone/MBK)	< 0.2	0.58	< 0.2	< 12	< 12	< 0.2
Acetone	34	43	44	< 290	< 290	4.5 J
Acrolein	< 2.3	0.66 J	< 2.3	< 140	< 140	< 2.3
Benzene	1.2	1.3	3.6	16	16	0.31
Carbon disulfide	0.69 J	0.64 J	0.39 J	30 J	25 J	< 1.6
Chloroform	0.33	1	0.35	88	77	< 0.24
Chloromethane	0.42	0.55	< 0.21	< 12	< 12	0.32
cis-1,2-Dichloroethene	0.57	< 0.2	< 0.2	< 12	< 12	< 0.2
Cyclohexane	0.33	2.3	6.5	12,000	9,400	< 0.17
Dichlorodifluoromethane	0.96	1.2	0.62	< 15	< 15	0.61
Ethanol	16	7.2	3.7 J	< 230	< 230	4
Ethylbenzene	0.8	3.7	1.3	9.4 J	8.9 J	0.13 J
Heptane	0.82	1.2	25	15	14	< 0.2
Hexane	3.1 J	2.0 J	65	60 J	< 420	< 7
Isopropyl Alcohol	13	7.5	3.4 J	< 290	< 290	< 4.9
Methyl isobutyl ketone (MIBK)	< 0.2	0.35	< 0.2	< 12	< 12	< 0.2
Methylene chloride	2.6	< 1.7	< 1.7	< 100	< 100	< 1.7
Naphthalene	< 0.26	0.44	< 0.26	< 16	< 16	< 0.26
o-Xylene	1.1	5.3	1.6	8.3 J	7.6 J	0.15 J
Propene	< 3.4	< 3.4	2.6 J	< 210	< 210	< 3.4
Styrene	< 0.21	0.35	0.20 J	< 13	< 13	< 0.21
Tetrachloroethene	< 0.34	0.77	0.52	< 20	29	< 0.34
Toluene	9	120	8.3	35	29	0.44
Trichloroethene	0.56	< 0.27	< 0.27	< 16	< 16	< 0.27
Trichlorofluoromethane	0.96 J	1.5	0.73 J	< 67	< 67	0.54 J

Legend

<1	Parameter not detected above the laboratory reporting limit or method detection limit (reporting limit shown)
1	Parameter reported above the laboratory reporting limit

Notes:

µg/m³ - micrograms per cubic meter

NP = Standard not promulgated

J=Detected but below the reporting limit (lowest calibration standard); therefore, result is an estimated concentration

SV = Soil Vapor

SVD = Soil Vapor Duplicate

OA = Outdoor Air

DUP-1.18.23 collected SV-18

Table 3B
Soil Vapor Laboratory Analytical Results (Detections Only)
Volatile Organic Compounds
NYSDOH Soil Vapor/Indoor Air Matrix Compunds
473 President Street Off-Site
NYSDEC Site No. C224220A
473 President Street
Brooklyn, NY

ID:	SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-10	SV-11	SV-12	SV-13	SV-14	OA-1_10.20.22
Date Collected:	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022	10/20/2022
Lab Report No:	22J3301-01	22J3301-02	22J3301-03	22J3301-04	22J3301-05	22J3301-06	22J3301-07	22J3301-08	22J3301-09	22J3301-10	22J3301-11	22J3301-12	22J3301-13	22J3301-14
Sample Type:	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	OA
Volatile Organic Compounds (VOCs) (ug/m³)														
NYSDOH Matrix A														
Trichloroethene	60	0.82 J	< 1.1	2.9	86,000	180	13	0.86 J	3.8	40	1.7	70	< 1.1	< 0.19
cis-1,2-Dichloroethene	2.4	0.62 J	< 0.79	< 0.79	13,000	36	2.2	< 0.79	< 0.79	< 0.79	2.4	84	< 0.79	< 0.14
1,1-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.79	350	1.4	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.14
Carbon tetrachloride	< 1.3	< 1.3	< 1.3	< 1.3	< 130	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	0.45
NYSDOH Matrix B														
Tetrachloroethene	700	28	10	15	460	4.1	100	4.6	340	57	11	380	33	0.26
1,1,1-Trichloroethane	0.94 J	< 1.1	< 1.1	< 1.1	< 110	< 1.1	11	< 1.1	23	< 1.1	< 1.1	5.3	1.1	< 0.19
NYSDOH Matrix C														
Vinyl chloride	< 0.51	< 0.51	< 0.51	< 0.51	920	3.1	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.09

ID:	SV-9	DUP-1-10.27.22	OA-1_10.27.2022
Date Collected:	10/27/2022	10/27/2022	10/27/2022
Lab Report No:	22J4339-01	22J4339-02	22J4339-03
Sample Type:	SV	SVD	OA
Volatile Organic Compounds (VOCs) (ug/m³)			
NYSDOH Matrix A			
Trichloroethene	1.8	2.1	< 0.19
Carbon tetrachloride	< 1.3	< 1.3	0.44
NYSDOH Matrix B			
Tetrachloroethene	1.5	1.7	< 0.24

ID:	SV-15	SV-16	SV-17	SV-18	DUP-1.18.23	OA-1_1.18.2023
Date Collected:	01/18/2023	01/18/2023	01/18/2023	01/18/2023	01/18/2023	01/18/2023
Lab Report No:	23A2216-05	23A2216-04	23A2216-06	23A2216-01	23A2216-02	23A2216-03
Sample Type:	SV	SV	SV	SV	SVD	OA
Volatile Organic Compounds (VOCs) (ug/m³)						
NYSDOH Matrix A						
Trichloroethene	0.56	< 0.27	< 0.27	< 16	< 16	< 0.27
cis-1,2-Dichloroethene	0.57	< 0.2	< 0.2	< 12	< 12	< 0.2
NYSDOH Matrix B						
1,1,1-Trichloroethane	< 0.27	< 0.27	0.22 J	< 16	< 16	< 0.27
Tetrachloroethene	< 0.34	0.77	0.52	29	< 20	< 0.34

Legend	
<1	Parameter not detected above the laboratory reporting limit or method detection limit (reporting limit shown)
1	Parameter reported above the laboratory reporting limit

Notes:
µg/m³ - micrograms per cubic meter
J=Detected but below the reporting limit (lowest calibration standard); therefore, result is an estimated concentration
SV = Soil Vapor
SVD = Soil Vapor Duplicate
OA = Outdoor Air
DUP-1-10.27.22 collected at SV-9
DUP-1.18.23 collected SV-18

ATTACHMENT A

Field Logs



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: HRP-MW-1

PAGE 1 OF 2

PROJECT: 473 President Street

SCREEN SIZE & TYPE: 2-inch PVC Schedule 40

JOB NUMBER: DEC1035.P2

SLOT NO.: 0.010-inch SETTING: 16'-6'

DATE COMPLETED: 10/17/22

SAND PACK SIZE & TYPE: #1 Filter Sand

DRILLING COMPANY: Island Pump and Tank

SETTING: 16'-4'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 2" Schedule 40 PVC

DRILLING METHOD: 4" Hollow Stem Auger

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 4'-2-

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: ~8'

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: SE corner of Union Street/Nevins Street intersection; SV-5 installed in same borehole.

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-4.5 ft bg) SAND (medium-coarse), some gravel (fine-medium), trace brick and coal, brown, grades to finer sand with some silt at 4.5 ft bg	0.0
					Moist	(4.5-5 ft bg) SAND (fine), some silt, trace coal, brown	0.0
5	10			3.5	Wet	SAND (medium-coarse) SAND, some silt, trace gravel (coarse), brown	24.5
10	15			3.5	Wet	SAND (medium-coarse) SAND, some silt, trace gravel (coarse), brown	20.2

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: HRP-MW-2	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 2-inch PVC Schedule 40
JOB NUMBER: DEC1033.P2	SLOT NO.: 0.010-inch SETTING: 17-7
DATE COMPLETED: January 16, 2023	SAND PACK SIZE & TYPE: No. 1 Filter Sand
DRILLING COMPANY: Island Pump and Tank	SETTING: 17-5
RIG TYPE: GeoProbe 7822 DT	CASING SIZE & TYPE: 2 inch Schedule 40 PVC
DRILLING METHOD: Direct Push	SETTING: 7-0
HAMMER WEIGHT/DROP: GH 64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: Macrocore Sleeve	SETTING: 5-2
OBSERVER: S.Dyal	BACKFILL TYPE: Soil Cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 9 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Located on west side of Nevins St., north of Union St. Paired with SV-15.	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Moist	(0-0.5 ft bg) CONCRETE (0.5-2 ft bg) GRAVEL (fine-medium) and SILT, some gravel (coarse) and sand (fine-medium), dark brown, no odor. (2-5 ft bg) SAND (fine-coarse) and GRAVEL, some gravel (coarse), light tan.	0.0
5	10			3	Moist	SAND (fine-coarse) and GRAVEL, some gravel (coarse), light tan.	0.0
10	15			3	Saturated	SAND (fine-coarse) and GRAVEL, some gravel (coarse), dark brown.	0.2
15	20			5	Saturated	SAND (fine-coarse) and GRAVEL (fine-medium), brown.	0.1

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: HRP-MW-3	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 2-inch PVC Schedule 40
JOB NUMBER: DEC1033.P2	SLOT NO.: 0.010-inch SETTING: 17-7
DATE COMPLETED: January 16, 2013	SAND PACK SIZE & TYPE: No. 1 Filter Sand
DRILLING COMPANY: Island Pump and Tank	SETTING: 17-5
RIG TYPE: GeoProbe 7822 DT	CASING SIZE & TYPE: 2 inch Schedule 40 PVC
DRILLING METHOD: Direct Push	SETTING: 7-0
HAMMER WEIGHT/DROP: GH 64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: Macrocore Sleeve	SETTING: 5-2
OBSERVER: S.Dyal	BACKFILL TYPE: Soil Cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 9 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Located on north side of Union St., west of Nevins St. Co-located with SV-16.	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			4	Moist	(0-0.5 ft bg) CONCRETE (0.5-4 ft bg) SAND (fine) and GRAVEL (fine-medium), some sand (medium-coarse) and gravel (coarse), trace brick, red-brown, no odor. (4-5 ft bg) SILT and SAND (fine), some gravel (coarse), tan-brown	0.2
5	10			4	Moist	(5-7 ft bg) SAND (fine) and GRAVEL (fine-medium), some sand (medium-coarse) and gravel (coarse), trace brick, red-brown, no odor. (7-10 ft bg) SAND (fine) and SILT, some gravel (fine-coarse), red-brown, no odor.	0.0
10	15			4	Saturated	(10-12 ft bg) SILT and SAND (fine), dark brown, no odor. (12-15 ft bg) SILT and SAND (fine), some gravel (fine-medium), trace gravel (coarse), trace organics, dark brown, no odor.	0.0
15	20			5	Saturated	SAND (fine) and SILT, some clay and sand (coarse), dark brown, no odor.	2.5

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: HRP-MW-4	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 2-inch PVC Schedule 40
JOB NUMBER: DEC1033.P2	SLOT NO.: 0.010-inch SETTING: 16-6
DATE COMPLETED: January 17, 2023	SAND PACK SIZE & TYPE: No. 1 Filter Sand
DRILLING COMPANY: Island Pump and Tank	SETTING: 16-4
RIG TYPE: GeoProbe 7822 DT	CASING SIZE & TYPE: 2 inch Schedule 40 PVC
DRILLING METHOD: Direct Push	SETTING: 6-0
HAMMER WEIGHT/DROP: GH 64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: Macrocore Sleeve	SETTING: 4-2
OBSERVER: S.Dyal	BACKFILL TYPE: Soil Cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 8 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Located on east side of Nevins St., north of Union St. Co-located with SV-17. 194ppm at well head after installation.	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Moist	(0-0.5 ft bg) CONCRETE (0.5-5 ft bg) SAND (fine) and SILT, red-brown.	0.0
5	10			4	Moist-Saturated	(5-7.5 ft bg) SAND (fine) and SILT, red-brown. (7.5-10 ft bg) SAND (fine) and SILT, red-brown, dark staining, fuel odor	0.1 >2000
10	15			4	Saturated	(10-11 ft bg) SAND (fine) and SILT, red-brown, dark staining, fuel odor. (11-12 ft bg) GRAVEL (fine-coarse) and SAND (fine), dark brown. (12-15 ft bg) SAND (fine) and SILT, dark brown.	>2000 380 12.4
15	20			5	Saturated	SAND (fine-medium), some dark staining.	5.9

HRP Engineering, P.C. Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1 GROUNDWATER MONITORING WELL PURGE FORM							
Project: 475 President Street		WAS #: DEC1035.P2		Field Personnel: S. Dyal					
Location: Brooklyn, NY		Well ID.: HRP MW-2		Weather: Clear 30°					
Sounding Method:		Gauge Date: January 17, 2023		Measurement Ref: Top of Casing					
Stick Up/Down (ft): Flush Monitor		Gauge Time: 1430		Well Diameter (in): 2					
Purge Date: 1/17/2023		Purge Time: 1430							
Purge Method: Peristaltic Pump		Field Technician: S. Dyal							
1) Well Depth (ft): 16.3		4) Well Diameter (in): 2		7) Five Well Volumes (gal): 4.5					
2) Depth to Water (ft): 10.5		5) Well Volume / Foot (gal) (d²x.0408):		Depth/Height of Top of PVC:					
3) Height of H₂O Column (1-2) (ft):		6) Total Well Volume (gal) (3x5): 0.90		Pump Type: Whale					
Water Quality Parameters									
Time (hrs)	DTW (ft btoc)	Volume (gallons)	Rate (gpm)	pH (pH units)	ORP (mV)	Temperature (°C)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1430		0	0.3	7.60	-56.3	14.8	1153	3.98	464.76
1440		3	0.4	7.42	-51.4	15.7	1043	3.74	502.64
1450		7	0.4	7.33	-43.6	15.9	1059	2.92	211.42
1500		13	0.7	7.27	-46.8	15.9	1055	2.55	138.7
1510		20	0.5	7.27	-27.2	15.2	1057	2.60	152.8
Total Quantity of Water Removed (gal):		20 gal + 25 gal		Sampling Time:		—			
Samplers:		S. Dyal				Split Sample With:		—	
Sampling Date:		—				Sample Type:		—	
COMMENTS AND OBSERVATIONS:		Stable flow; NTU not stabilizing after 25 gals. No visible sheen. <i>Tubing intake: 15'</i> <i>Tubing type: 1/4 x 3/8 HDPE</i>							

HRP Engineering, P.C. Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1 GROUNDWATER MONITORING WELL PURGE FORM							
Project: 475 President Street		WAS #: DEC1035.P2		Field Personnel: S. Dyal					
Location: Brooklyn, NY		Well ID.: HRP MW-3		Weather: Clear 30°					
Sounding Method:		Gauge Date: January 17, 2023		Measurement Ref: Top of Casing					
Stick Up/Down (ft): Flush Mount		Gauge Time: 1310		Well Diameter (in): 2					
Purge Date: 1/17/2023		Purge Time: 1310							
Purge Method: Peristaltic Pump		Field Technician: S. Dyal							
1) Well Depth (ft): 10.7		4) Well Diameter (in): 2		7) Five Well Volumes (gal): 6.25					
2) Depth to Water (ft): 9.0		5) Well Volume / Foot (gal) (d²x.0408): 7.26		Depth/Height of Top of PVC:					
3) Height of H₂O Column (1-2) (ft):		6) Total Well Volume (gal) (3x5): 1.20		Pump Type: Whale					
Water Quality Parameters									
Time (hrs)	DTW (ft btoc)	Volume (gallons)	Rate (gpm)	pH (pH units)	ORP (mV)	Temperature (°C)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1310	9.0	0.0	0.3	6.68	-88.5	14.5	3902	3.16	61.00
1320	13	1.3	0.3	6.84	-63.5	14.4	3895	6.14	294.12
1330	13.7	6	0.3	6.83	-62.4	14.5	4043	5.93	241.10
1340	13.4	7	0.3	6.83	-69.9	15.3	4096	4.55	206.14
1350	13.4	12	0.3	6.79	-13.5	15.0	4083	4.23	16156.7
1400	13.4	15	0.3	6.78	-65.7	15.4	4141	5.09	123.19
1410	13.4	18	0.3	6.81	-67.6	15.1	4061	5.03	72.3
Total Quantity of Water Removed (gal):		18		Sampling Time:		—			
Samplers:		S. Dyal		Split Sample With:		—			
Sampling Date:		—		Sample Type:		—			
COMMENTS AND OBSERVATIONS:		Water immediately cleared up Tubing intake: 15' Tubing type: 1/4 x 3/8 HDPE							

HRP Engineering, P.C. Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1 GROUNDWATER MONITORING WELL PURGE FORM							
Project: 475 President Street		WAS #: DEC1035.P2		Field Personnel: S. Dyal					
Location: Brooklyn, NY		Well ID.: <i>HRP MW-4</i>		Weather: <i>Clear 30's °</i>					
Sounding Method:		Gauge Date: January 17, 2023		Measurement Ref: Top of Casing					
Stick Up/Down (ft): <i>Flush Mount</i>		Gauge Time: <i>1530</i>		Well Diameter (in): 2					
Purge Date: 1/17/2023		Purge Time: <i>1530</i>							
Purge Method: Peristaltic Pump		Field Technician: S. Dyal							
1) Well Depth (ft): <i>15.67</i>		4) Well Diameter (in): <i>2</i>		7) Five Well Volumes (gal): <i>4.75</i>					
2) Depth to Water (ft): <i>9.82</i>		5) Well Volume / Foot (gal) (d ² x.0408):		Depth/Height of Top of PVC:					
3) Height of H ₂ O Column (1-2) (ft):		6) Total Well Volume (gal) (3x5): <i>0.95</i>		Pump Type: <i>Whale</i>					
Water Quality Parameters									
Time (hrs)	DTW (ft btoc)	Volume (gallons)	Rate (gpm)	pH (pH units)	ORP - (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
<i>1530</i>	<i>9.82</i>	<i>0</i>	<i>0.23</i>	<i>7.22</i>	<i>31.6</i>	<i>14.8</i>	<i>1337</i>	<i>2.45</i>	<i>18.63</i>
<i>1540</i>	<i>9.8</i>	<i>3</i>	<i>0.23</i>	<i>7.20</i>	<i>31.9</i>	<i>16.2</i>	<i>1365</i>	<i>2.30</i>	<i>18.15</i>
<i>1550</i>	<i>10</i>	<i>6</i>	<i>0.23</i>	<i>7.13</i>	<i>28.9</i>	<i>16.3</i>	<i>1370</i>	<i>3.24</i>	<i>14.20</i>
<i>1600</i>	<i>11</i>	<i>9</i>	<i>0.23</i>	<i>7.40</i>	<i>28.2</i>	<i>16.3</i>	<i>1364</i>	<i>3.62</i>	<i>11.20</i>
Total Quantity of Water Removed (gal):		<i>10</i>		Sampling Time:		<i>—</i>			
Samplers:		S. Dyal		Split Sample With:		<i>—</i>			
Sampling Date:		<i>—</i>		Sample Type:		<i>—</i>			
COMMENTS AND OBSERVATIONS:		<i>Gasoline odor.</i> <i>well head PID= 194ppm</i> <i>Tubing intake= 15'</i> <i>Tubing type: 1/4x3/8 HDPE</i>							

HRP Engineering, P.C. Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1 GROUNDWATER MONITORING WELL PURGE FORM							
Project: 475 President Street		WAS #: DEC1035.P2		Field Personnel: S. Dyal					
Location: Brooklyn, NY		Well ID.: HRP-MW-5		Weather: Clear 30°					
Sounding Method:		Gauge Date: January 17, 2023		Measurement Ref: Top of Casing					
Stick Up/Down (ft): Flush mount		Gauge Time: 1145		Well Diameter (in): 2					
Purge Date: 1/17/2023		Purge Time: 1145							
Purge Method: Peristaltic Pump		Field Technician: S. Dyal							
1) Well Depth (ft): 15		4) Well Diameter (in): 2		7) Five Well Volumes (gal): 5.55					
2) Depth to Water (ft): 8.2		5) Well Volume / Foot (gal) (d ² x.0408):		Depth/Height of Top of PVC:					
3) Height of H ₂ O Column (1-2) (ft):		6) Total Well Volume (gal) (3x5): 1.1		Pump Type: Whale					
Water Quality Parameters									
Time (hrs)	DTW (ft btoc)	Volume (gallons)	Rate (gpm)	pH (pH units)	ORP (mV)	Temperature (°C)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1145	8.2	0	0.3	7.22	-116.3	14.8	1547	3.5	398.18
1155	10.1	3.25		7.22	-101.9	15.5	1564	4.41	278.65
1205	10.6	6.75		7.14	-105.9	15.0	1554	2.81	237.18
1215	11.7	10		7.19	-99.3	15.4	1568	3.94	161.23
1225	11.7	13		7.12	-97.2	15.6	1564	2.67	78.54
1235	11.8	16		7.10	-102.8	14.9	1549	2.47	116.86
1245	11.8	19		7.12	-95.2	14.7	1555	2.82	144.02
1255	11.9	20		7.12	-94.3	14.2	1553	2.83	41.07
Total Quantity of Water Removed (gal):		20		Sampling Time:		—			
Samplers:		S. Dyal		Split Sample With:		—			
Sampling Date:		—		Sample Type:		—			
COMMENTS AND OBSERVATIONS:		Tubing intake = 14' Tubing type 1/4 x 3/8 HDPE							

Low-Flow Sampling Log

TOTAL # WELLS: 1

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President Street, Brooklyn, NY Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): JA Monitoring Equipment: YSI Pro Series
 Well I.D.: HRP-MW-1 Screen Setting (ft btoc): 6 to 16
 Well Diameter (inches): 2 Tubing Intake (ft btoc): 12
 Total Depth (ft btoc): 15.65 Comments: _____
 Depth to Water (ft btoc): 7.75

Well Condition:

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
0	7.75	150	18	3.20	1207	7.12	31.3	270
3	7.78	150	18.2	0.94	1170	6.96	51.6	166.86
6	7.81		18.2	0.55	1165	6.90	66.4	177.10
9	7.81		18.2	0.46	1156	6.89	69.8	192.4
12	7.78		18.3	0.42	1138	6.89	71.0	63.56
15	7.78		18.2	0.38	1144	6.89	71.6	65.67
18	7.79		18.3	0.36	1145	6.89	71.2	67.54
21	7.77		18.3	0.35	1143	6.89	70.9	77.38
24	7.78		18.3	0.35	1141	6.89	70.3	173.82
27	7.75		18.3	0.33	1147	6.88	69.3	88.65
30	7.78		18.1	0.31	1153	6.88	68.4	98.50
33	7.77	150	18.2	0.30	1147	6.88	67.7	115.33

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
		★ See Page 2 ★							
Recommended Stabilization:		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)									

Sample Time: 1128

Reviewed By: me

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mv millivolts

HRP Associates, Inc.

PAGE: 1 OF 2SAMPLE DATE: 10/27/22TOTAL # WELLS: 1

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President Street, Brooklyn, NY Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): JA Monitoring Equipment: YSI Pro Series
 Well I.D. HRP-MW-1 Screen Setting (ft btoc): 6 to 16
 Well Diameter (inches): 2 Tubing Intake (ft btoc): 12
 Total Depth (ft btoc): 15.65 Comments: _____
 Depth to Water (ft btoc): 7.75

Well Condition: _____

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
11:16 36	7.77	150	18.2	0.29	1153	6.88	66.6	114.23
11:19 39	7.75	↓	18.3	0.29	1156	6.88	65.8	127.44
11:22 42	7.77	↓	18.2	0.33	1130	6.88	64.6	115.70
11:25 45	7.80	↓	18.2	0.36	1115	6.88	63.3	118.42
11:28 48	7.78	150	18.2	0.32	1125	6.87	63.1	119.97

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
42	45	0.03	0	0	0.03	15	0	1.3	2.72
45	48	0.02	0	0	0.04	10	0.01	0.02	1.55
42	48	0.01	0	0	0.01	5	0.01	1.5	4.27
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1128Reviewed By: PLft btoc
ml/min
µs/cmfeet below top of casing
milliliters per minute
microseimens per centimeterNTU
mg/lNephelometric Turbidity Units
milligrams per liter°C
mvDegrees Celsius
millivolts

SAMPLE DATE: 1/24/23

Low-Flow Sampling Log

TOTAL # WELLS: 45

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President St Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): S. Dyal Monitoring Equipment: YSI Pro Series
 Well I.D.: HRP-MW-2 Screen Setting (ft btoc): 17 to 7
 Well Diameter (inches): 2" Tubing Intake (ft btoc): 12
 Total Depth (ft btoc): 16.79 Comments:
 Depth to Water (ft btoc): 9.06

Well Condition: Good

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
3:00	7.77	150	15.8	1.28	1054	7.41	-31.5	63.83
6:00	7.77		15.8	1.20	1055	7.38	-27.9	64.52
9:00	7.91		16.0	1.14	1059	7.39	-23.4	62.23
12:00	7.94		15.9	1.12	1060	7.36	-21.6	61.84
15:00	7.85		15.9	1.10	1058	7.35	-19.7	54.99
18:00	7.87		15.9	1.07	1058	7.35	-16.8	52.66
21:00	7.86		15.8	1.07	1056	7.34	-15.2	48.60
24:00	7.84		15.8	1.07	1057	7.34	-15.0	46.78
27:00	7.82		15.9	1.06	1057	7.34	-14.8	45.89
30:00	7.83		15.7	1.05	1057	7.34	-14.2	44.97

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
21	24	0.02	150	0.1	0.01	0	0	0.2	0.39
24	27	0.01	150	0.2	0.01	0	0	0.6	0.92
27	30	0.01	150	0.1	0.02	0	0	0.8	1.51
		0.01	0	0.64%	2.1%	0	0	5.6708	2.91
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		yes	yes	yes	yes	yes	yes	yes	yes

Sample Time: 2/4/20

Reviewed By: [Signature]

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mv millivolts

SAMPLE DATE: 1/24/23

TOTAL # WELLS: 4

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President St Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): S. Dyal Monitoring Equipment: YSI Pro Series
 Well I.D.: HRP-MW-3 Screen Setting (ft btoc): 17 to 7
 Well Diameter (inches): 2" Tubing Intake (ft btoc): 13
 Total Depth (ft btoc): 16.3 Comments:
 Depth to Water (ft btoc): 7.78

Well Condition: Clear

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
1:00	7.78	150	15.7	1.04	3840	6.67	-76.7	74.72
3:00	12.55		15.6	1.42	3840	6.63	-75.6	62.29
6:00	12.71		15.7	1.83	3949	6.64	-73.9	64.82
9:00	12.98		15.7	1.69	3968	6.64	-75.0	62.81
12:00	13.2		15.7	2.19	3992	6.66	-74.6	59.94
15:00	13.17		15.6	2.08	4010	6.65	-75.3	57.72
18:00	13.10		15.6	2.30	4024	6.66	-74.8	49.63
21:00	13.12		15.5	2.14	4032	6.65	-75.4	49.26
24:00	13.11		15.7	2.12	4024	6.65	-74.9	47.21
27:00	13.16		15.8	2.20	4064	6.67	-73.8	47.45

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
21	24	0.01	150	0.2	0.02	8	0	05	2.05
24	27	0.01	150	0.1	0.08	40	0.02	1.1	0.24
21	27	0.02	150	0.3	0.06	32	0.02	1.6	1.81
		0.01	0	1.94%	2.80%	0.71%	0.02	0.11	3.81%
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		yes	yes	yes	yes	yes	yes	yes	yes

Sample Time: 1330

Reviewed By: [Signature]

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mv millivolts

SAMPLE DATE: 1/24/23

TOTAL # WELLS: 5

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President St Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): S. Dyal Monitoring Equipment: YSI Pro Series
 Well I.D. HRP MW 4 Screen Setting (ft btoc): 16 to 6
 Well Diameter (inches): 2" Tubing Intake (ft btoc): 13
 Total Depth (ft btoc): 9.82 Comments:
 Depth to Water (ft btoc): 15.67

Well Condition: Silty → Clear

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
0:00	9.82	180	15.3	4.07	1302	7.64	27.1	231.83
3:00	8.3		15.3	0.87	1319	7.3	28.5	139.81
6:00	8.28		15.2	0.68	1322	7.23	26.9	91.05
9:00	8.30		15.2	0.58	1321	7.19	22.9	83.41
12:00	8.30		15.1	0.52	1321	7.16	17.8	75.21
15:00	8.28		15.2	0.49	1330	7.14	13.6	45.78
18:00	8.27		15.3	0.46	1335	7.12	11.2	38.24
21:00	8.30		15.3	0.45	1334	7.11	10.8	34.18
24:00	8.29		15.4	0.45	1339	7.11	10.0	29.99
27:00	8.3		15.5	0.41	1343	7.08	8.4	32.48
30:00	8.3		15.5	0.40	1345	7.07	7.7	25.56
33:00	8.28		15.4	0.40	1345	7.07	6.9	24.23

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
27	30	0.0	150	0.0	0.01	2	0.01	0.7	0.3
30	33	0.02	150	0.1	0.0	0	0.0	0.8	1.33
27	33	0.02	150	0.1	0.01	2	0.01	1.5	0.94
		0.02	0	0.05%	<0.5	0.15%	0.01	1.5	3.8%
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		yes	yes	yes	yes	yes	yes	yes	yes

Sample Time: 1510

Reviewed By: [Signature]

ft btoc feet below top of casing
 mL/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mV millivolts

36.02

15.3 0.40 1347 7.07 6.8 24.77

HRP

SAMPLE DATE: 1/24/23

TOTAL # WELLS: 5

Low-Flow Sampling Log

Client Name: NYSDEC Sample Pump: Peristaltic Pump
 Project Location: 473 President St Tubing Type: HDPE .17"ID x 1/4"OD
 Sampler(s): S. Dyal Monitoring Equipment: YSI Pro Series

Well I.D.: HRP-MW-5 Screen Setting (ft btoc): 16 to 6
 Well Diameter (inches): 2" Tubing Intake (ft btoc): 13
 Total Depth (ft btoc): 15.12 Comments: _____
 Depth to Water (ft btoc): 8.45

Well Condition: Good

Time (minutes)	Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Water Quality Monitoring Parameters					
			Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
3:00	9.45	150	15.2	1.04	2364	7.28	28.8	113
3:00	9.14		14.9	0.61	2390	7.94	16.5	1072.5
6:00	8.9		13.9	0.48	2328	7.62	-1.2	896.02
7:00	8.88		13.9	0.45	2312	7.43	-8.1	537.10
8:03/2:00	8.91		15.0	2.89	2638	8.84	-50.2	126.89
8:15:00	8:98		14.9	1.47	2099	7.04	-78.7	258.05
18:00	9:09		15.10	0.51	2046	8.96	-81.8	161.46
21:00	9:16		15.0	0.41	1887	8.47	-81.7	136.39
24:00	9.29		15.1	0.40	1880	8.27	-80.6	96.39
27:00	9.42		15.0	0.40	1888	8.31	-78.3	48.67
30:00	9.48		15.1	0.46	1862	8.28	-79.2	47.32
33:00	9:55		15.0	0.40	1871	8.30	-77.8	48.27

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (mL/min)	Temperature (°C)	DO mg/L	Conductivity µs/cm	pH	ORP (mV)	Turbidity NTU
FROM	TO								
27	30	0.06	850	0.1	0	26	0.83	0.9	1.35
30	33	0.07	850	0.1	0	9	0.02	1.4	0.95
27	30	0.15	850	0.0	0	17	0.01	0.5	0.4
		0.15	0	0.0%	0%	0.9%	0.01	0.5	0.8%
Recommended Stabilization		± 0.3	100-500	± 3%	± 10%	± 3%	± 0.1	± 10	± 10%
Stabilization: (Yes/No)		yes	yes	yes	yes	yes	yes	yes	yes

Sample Time: 8:25

Reviewed By: Sc 20

ft btoc feet below top of casing
 ml/min milliliters per minute
 µs/cm microseimens per centimeter

NTU
mg/l

Nephelometric Turbidity Units
milligrams per liter

°C Degrees Celsius
mv millivolts



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-1

PAGE 1 OF 2

PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/18/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: ~8'

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			2.75	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-2 ft bg) SAND (medium), some gravel (medium) brown	0.0
					Moist	(2-2.5 ft bg) COAL and CINDERS	0.0
					Moist	(2.5-4 ft bg) SAND (coarse), brown	0.0
					Moist	(4-4.5 ft bg) COAL and CINDERS (some sand (medium)	0.0
					Moist	(4.5-5 ft bg) SAND (coarse) and GRAVEL (fine), brown	0.0
5	10			2.5	Moist	(5-6 ft bg) SAND (coarse) and GRAVEL (fine), brown	0.0



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-2

PAGE 1 OF 1

PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/18/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-4.5 ft bg) SAND (fine) and SILT, some gravel (medium-coarse), trace gravel (fine), brown	0.0
					Moist	(4.5-5 ft bg) SAND (medium-coarse), brown	0.0
5	10			4	Moist/ Wet	SAND (medium), grades to SAND (medium-coarse), some gravel (fine), wet at 8 ft bg	0.0
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-3

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 6-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/18/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: ~8'

STICK-UP: -

SURFACE COMPLETION: Road Bot

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Dry	(0.5-1 ft bg) CINDERS	0.0
					Moist	(1-5 ft bg) SAND (medium-coarse), brown	0.0
5	10			3	Moist/ Wet	(5-10 ft bg) SAND (coarse), brown	0.0
						End of boring at 10 ft bg	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-4

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PROJECT: 473 President Street	SCREEN SIZE & TYPE: 8-inch Stainless Steel
JOB NUMBER: DEC1035.P2	SLOT NO.: - SETTING: Soil Vapor set at 6 ft
DATE COMPLETED: 10/18/22	SAND PACK SIZE & TYPE: Glass beads 60-100
DRILLING COMPANY: Island Pump and Tank	SETTING: 6'-5'
RIG TYPE: Geoprobe 7822DT	CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing
DRILLING METHOD: Direct Push	SETTING: 6'-0'
HAMMER WEIGHT/DROP: GH64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: 5' Macrocore Sleeve	SETTING: 3'-5'
OBSERVER: RL	BACKFILL TYPE: Soil cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: ~8'
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Bentonite hydrated	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			4	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-4.5 ft bg) SAND and SILT, trace gravel (medium-coarse), trace sand (medium-coarse) and gravel (fine), brown	0.0
					Dry	(4.5-5 ft bg) WEATHERED ROCK	0.0
					Dry	(4.5-5 ft bg) WEATHERED ROCK	0.0
5	10			3.5	Moist	(5.5-6 ft bg) SAND (coarse), COAL, and CINDERS, brown	0.0
					Moist/wet	(6-9.5 ft bg) SAND (fine) and SILT, trace gravel (coarse), brown	0.0

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: SV-5	
	Co-located at HRP-MW-1	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 8-inch Stainless Steel
JOB NUMBER: DEC1035.P2	SLOT NO.: - SETTING: Soil Vapor set at 6 ft
DATE COMPLETED: 10/17/22	SAND PACK SIZE & TYPE: Glass beads 60-100
DRILLING COMPANY: Island Pump and Tank	SETTING: 6'-5'
RIG TYPE: Geoprobe 7822DT	CASING SIZE & TYPE: 1/4 - 1/8 Teflon Tubing
DRILLING METHOD: Direct Push	SETTING: 6'-0'
HAMMER WEIGHT/DROP: GH64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: 5' Macrocore Sleeve	SETTING: 3'-5'
OBSERVER: RL	BACKFILL TYPE: Soil cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 8 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Bentonite hydrated	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-4.5 ft bg) SAND (medium-coarse), some gravel (fine-medium), trace brick and coal, brown, grades to finer sand with some silt at 4.5 ft bg	0.0
					Moist	(4.5-5 ft bg) SAND (fine), some silt, trace coal, brown	0.0
5	10			3.5	Wet	SAND (medium-coarse) SAND, some silt, trace gravel (coarse), brown	24.5
10	15			3.5	Wet	SAND (medium-coarse) SAND, some silt, trace gravel (coarse), brown	20.2
15	16			1	Wet	SAND (medium-coarse) SAND, some silt, trace gravel (coarse), brown	14.4
						End of boring at 15 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-6

PAGE 1 OF 1

PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/17/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			2.5	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-5 ft bg) SAND (fine), some silt, and gravel (coarse), trace brick and coal, brown	0.0
5	10			2	Dry	(5-7.5 ft bg) GRAVEL (coarse), some sand (coarse), tan	0.0
					Moist	(7.5-10 ft bg) SAND (fine) and SILT, some gravel (coarse), red-brown	0.0
						End of boring at 10 ft bg.	

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: SV-7	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 8-inch Stainless Steel
JOB NUMBER: DEC1035.P2	SLOT NO.: - SETTING: Soil Vapor set at 6 ft
DATE COMPLETED: 10/17/22	SAND PACK SIZE & TYPE: Glass beads 60-100
DRILLING COMPANY: Island Pump and Tank	SETTING: 6'-5'
RIG TYPE: Geoprobe 7822DT	CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing
DRILLING METHOD: Direct Push	SETTING: 6'-0'
HAMMER WEIGHT/DROP: GH64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: 5' Macrocore Sleeve	SETTING: 3'-5'
OBSERVER: RL	BACKFILL TYPE: Soil cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 8 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Bentonite hydrated	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3.5	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-4.5 ft bg) SAND (fine), some silt, and gravel (coarse), trace brick and coal, brown	0.0
5	10			3.5	Moist	(5-8 ft bg) SAND (fine) and SILT, brown	0.0
					Wet	(8-10 ft bg) SAND (fine) and SILT, brown	0.0
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-8

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/18/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Bot

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			1	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-1 ft bg) SAND (medium), some gravel (coarse), brown	0.0
					Moist	(4.5-5 ft bg) SAND (fine) and SILT, trace clay, coal, cinders, gravel (fine), tan	0.0
5	10			-	-	NO RECOVERY	-
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-9

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/19/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8.5 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			2	Dry	(0-1 ft bg) CONCRETE	0.0
					Moist	(1-5 ft bg) SAND (fine) and SILT, GRAVEL (medium), some brick, coal, trace cinders, dark brown	0.0
5	10			2.5	Moist/Wet	(5-8 ft bg) SAND (fine) and SILT, some gravel (coarse) and coal, brown	0.0
					Moist/Wet	(8-8.5 ft bg) COAL	0.0
					Dry	(8.5-9 ft bg) WEATHERED ROCK	0.0
					Wet	(9-10 ft bg) SAND (fine) and SILT	0.0
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-10

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/19/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings and filter sand

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			2.5	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-5 ft bg) SAND (fine) and SILT, trace coal, cinders, and gravel (fine-medium), brown, WEATHERED ROCK at 5 ft bg	0.0
5	10			4	Moist	(5-7 ft bg) SAND (fine) and SILT, trace coal, cinders, and gravel (fine-medium), brown,	0.0
					Moist/Wet	(7-8.5 ft bg) SAND (coarse) and GRAVEL (fine), brown	0.0
					Dry/ Wet	(8.5-10 ft bg) SILT, some gravel (fine-medium), trace organics (wood shavings), dark gray	0.0
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-11

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/19/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings and filter sand

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			2.75	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Dry	(0.5-1 ft bg) SAND (fine) and SILT trace brick, dark brown	0.0
					Dry	(1-2 ft bg) CINDERS	0.0
					Moist	(2-5 ft bg) SAND (fine) and SILT, trace coal, gravel, brick, weathered rock at 5 ft bg, brown	0.0
5	10			2.75	Moist	(5-5.5 ft bg) SAND (fine) and SILT, trace coal, gravel, brick	0.0
					Dry	(5.5-6 ft bg) CONCRETE	0.0

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: SV-12	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 8-inch Stainless Steel
JOB NUMBER: DEC1035.P2	SLOT NO.: - SETTING: Soil Vapor set at 6 ft
DATE COMPLETED: 10/18/22	SAND PACK SIZE & TYPE: Glass beads 60-100
DRILLING COMPANY: Island Pump and Tank	SETTING: 6'-5'
RIG TYPE: Geoprobe 7822DT	CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing
DRILLING METHOD: Direct Push	SETTING: 6'-0'
HAMMER WEIGHT/DROP: GH64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: 5' Macrocore Sleeve	SETTING: 3'-5'
OBSERVER: RL	BACKFILL TYPE: Soil cuttings and filter sand
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 8.5 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Bentonite hydrated	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelly tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			0.5	Dry	(0-0.5 ft bg) CONCRETE	0.0
					-	NO RECOVERY	-
5	10			2.75	Moist/Wet	SAND (fine-medium), some silt, trace gravel (medium-coarse), brown	0.0
						End of boring at 10 ft bg.	

 HRP Associates, Inc. Monitoring Well Installation Log	WELL NO: SV-13	
	PAGE 1 OF 1	

PROJECT: 473 President Street	SCREEN SIZE & TYPE: 8-inch Stainless Steel
JOB NUMBER: DEC1035.P2	SLOT NO.: - SETTING: Soil Vapor set at 6 ft
DATE COMPLETED: 10/18/22	SAND PACK SIZE & TYPE: Glass beads 60-100
DRILLING COMPANY: Island Pump and Tank	SETTING: 6'-5'
RIG TYPE: Geoprobe 7822DT	CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing
DRILLING METHOD: Direct Push	SETTING: 6'-0'
HAMMER WEIGHT/DROP: GH64 Hammer	SEAL TYPE: Bentonite
SAMPLING METHOD: 5' Macrocore Sleeve	SETTING: 3'-5'
OBSERVER: RL	BACKFILL TYPE: Soil cuttings
REFERENCE POINT (RP): Grade	STATIC WATER LEVEL: 8.5 ft bg
STICK-UP: -	
SURFACE COMPLETION: Road Box	
REMARKS: Bentonite hydrated	
ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million	

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-5 ft bg) SAND (fine) and SILT, trace gravel (medium), brown	0.0
5	10			2.75	Dry	(5-6 ft bg) CINDERS	0.0
					Moist	(6-7 ft bg) SAND (medium-coarse), some gravel (fine), brown	0.0
					Dry	(7-7.25 ft bg) WEATHERED ROCK	0.0
					Moist	(7.25-8 ft bg) CINDERS	0.0
					Wet	(8-9 ft bg) SAND (medium-coarse), red-brown	0.0
					Wet	(9-10 ft bg) SAND (medium-fine), some silt, brown, groundwater at 9 ft bg	0.0
						End of boring at 10 ft bg.	



HRP Associates, Inc.
Monitoring Well Installation Log

WELL NO: SV-14

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PROJECT: 473 President Street

SCREEN SIZE & TYPE: 8-inch Stainless Steel

JOB NUMBER: DEC1035.P2

SLOT NO.: - SETTING: Soil Vapor set at 6 ft

DATE COMPLETED: 10/18/22

SAND PACK SIZE & TYPE: Glass beads 60-100

DRILLING COMPANY: Island Pump and Tank

SETTING: 6'-5'

RIG TYPE: Geoprobe 7822DT

CASING SIZE & TYPE: 1/4 - 3/8 Teflon Tubing

DRILLING METHOD: Direct Push

SETTING: 6'-0'

HAMMER WEIGHT/DROP: GH64 Hammer

SEAL TYPE: Bentonite

SAMPLING METHOD: 5' Macrocore Sleeve

SETTING: 3'-5'

OBSERVER: RL

BACKFILL TYPE: Soil cuttings

REFERENCE POINT (RP): Grade

STATIC WATER LEVEL: 8 ft bg

STICK-UP: -

SURFACE COMPLETION: Road Box

REMARKS: Bentonite hydrated

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET)		SAMPLE TYPE	BLOW COUNT	REC. (FEET)	MOISTURE	DESCRIPTION	PID READING (PPM)
FROM	TO						
0	5			3	Dry	(0-0.5 ft bg) CONCRETE	0.0
					Moist	(0.5-5 ft bg) SAND (fine-medium), some silt, gravel (fine-medium), trace gravel (coarse), brown	0.0
5	10			2.75	Dry	(5-6 ft bg) WEATHERED ROCK	0.0
					Moist	(5.5-8.5 ft bg) SAND (fine-medium), some silt, gravel (fine-medium), trace gravel (coarse), brown	0.0
					Wet	(8.5-10 ft bg) SAND (medium-coarse), some gravel (fine-medium), brown	0.0
						End of boring at 10 ft bg.	

HRP Associates Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1	SOIL VAPOR SAMPLING FORM			
Project:	473 President Street		Building I.D.	-		
HRP Job #	DEC1035.P2		Vapor Point ID:	SV-6		
Date:	10/20/22		Sampler:	RL		
Helium Meter:	Dietrich M60 2002		PID Meter used:	MiniRae 2000 11.7 eV		
SUMMA Canister Record:						
SAMPLE TYPE (Circle One): SOIL VAPOR / INDOOR AIR / OUTDOOR AIR			DUPLICATE SAMPLE (IF COLLECTED)			
Flow Regulator No.:	4415		Flow Regulator No.:			
Canister Serial No.:	1645		Canister Serial No.:			
Start Date/Time:	0832		Start Date/Time:			
Start Pressure: (inches Hg)	-30		Start Pressure: (inches Hg)			
Stop Date/Time:	1017		Stop Date/Time:			
Stop Pressure: (inches Hg)	-9		Stop Pressure: (inches Hg)			
Sample ID:	SV-6-10.20.22		Sample ID:			
Other Sampling Information:						
Helium Concentration in Enclosure:	7.37.		Depth to Sample Point	5'		
Helium Concentration in Vapor Point:	75 ppm		Approx. Depth to Groundwater:	8'		
Vapor Point He/Enclosure He (%)	0.001%		Noticeable Odor?	no		
Purge Method and Purge Volume: Note: Mini Rae 3000 pump rate= 450 cc/min	PID 1500cc		Soil Vapor Point Screen Type:	6" steel		
PID Reading (post-purge)	1.4		Tubing Type:	Teflon		
Indoor Ambient Temperature & Humidity:	40°s		Backfill Type, Depth:	Sand to 6"		
Outdoor Ambient Temperature & Humidity (Precipitation)?:	40°s		Seal Type, Depth:	Bentonite 1 3/4"		
Wind Direction:	SW		Sand Pack Size, Depth	Glass Beads, 5-4"		
Comments: Moisture in tubing						

[illegible]

[illegible]

HRP Associates Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		1 SOIL VAPOR SAMPLING FORM			
Project:	473 President Street		Building I.D.	-	
HRP Job #	DEC1035.P2		Vapor Point ID:	SV-14	
Date:	10/20/22		Sampler:	RL	
Helium Meter:	Pielatron M60 2002		PID Meter used:	Mini Rae 2000 11.7eV	
SUMMA Canister Record:					
SAMPLE TYPE (Circle One): SOIL VAPOR / INDOOR AIR/ OUTDOOR AIR			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:	4360		Flow Regulator No.:		
Canister Serial No.:	1066		Canister Serial No.:		
Start Date/Time:	11:36		Start Date/Time:		
Start Pressure: (inches Hg)	- 20		Start Pressure: (inches Hg)		
Stop Date/Time:	1:16		Stop Date/Time:		
Stop Pressure: (inches Hg)	- 11		Stop Pressure: (inches Hg)		
Sample ID:	SV-14-10.20.22		Sample ID:		
Other Sampling Information:					
Helium Concentration in Enclosure:	6.2%		Depth to Sample Point	6'	
Helium Concentration in Vapor Point:	50 ppm		Approx. Depth to Groundwater:	8'	
Vapor Point He/Enclosure He (%)	0.0008%		Noticeable Odor?	No	
Purge Method and Purge Volume: Note: Mini Rae 3000 pump rate= 450 cc/min	PID 1500cc		Soil Vapor Point Screen Type:	6" steel	
PID Reading (post-purge)	0.0		Tubing Type:	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿ ㏀ ㏁ ㏂ ㏃ ㏄ ㏅ ㏆ ㏇ ㏈ ㏉ ㏊ ㏋ ㏌ ㏍ ㏎ ㏏ ㏐ ㏑ ㏒ ㏓ ㏔ ㏕ ㏖ ㏗ ㏘ ㏙ ㏚ ㏛ ㏜ ㏝ ㏞ ㏟ ㏠ ㏡ ㏢ ㏣ ㏤ ㏥ ㏦ ㏧ ㏨ ㏩ ㏪ ㏫ ㏬ ㏭ ㏮ ㏯ ㏰ ㏱ ㏲ ㏳ ㏴ ㏵ ㏶ ㏷ ㏸ ㏹ ㏺ ㏻ ㏼ ㏽ ㏾ ㏿ 㐀 㐁 㐂 㐃 㐄 㐅 㐆 㐇 㐈 㐉 㐊 㐋 㐌 㐍 㐎 㐏 㐐 㐑 㐒 㐓 㐔 㐕 㐖 㐗 㐘 㐙 㐚 㐛 㐜 㐝 㐞 㐟 㐠 㐡 㐢 㐣 㐤 㐥 㐦 㐧 㐨 㐩 㐪 㐫 㐬 㐭 㐮 㐯 㐰 㐱 㐲 㐳 㐴 㐵 㐶 㐷 㐸 㐹 㐺 㐻 㐼 㐽 㐾 㐿 㑀 㑁 㑂 㑃 㑄 㑅 㑆 㑇 㑈 㑉 㑊 㑋 㑌 㑍 㑎 㑏 㑐 㑑 㑒 㑓 㑔 㑕 㑖 㑗 㑘 㑙 㑚 㑛 㑜 㑝 㑞 㑟 㑠 㑡 㑢 㑣 㑤 㑥 㑦 㑧 㑨 㑩 㑪 㑫 㑬 㑭 㑮 㑯 㑰 㑱 㑲 㑳 㑴 㑵 㑶 㑷 㑸 㑹 㑺 㑻 㑼 㑽 㑾 㑿 㒀 㒁 㒂 㒃 㒄 㒅 㒆 㒇 㒈 㒉 㒊 㒋 㒌 㒍 㒎 㒏 㒐 㒑 㒒 㒓 㒔 㒕 㒖 㒗 㒘 㒙 㒚 㒛 㒜 㒝 㒞 㒟 㒠 㒡 㒢 㒣 㒤 㒥 㒦 㒧 㒨 㒩 㒪 㒫 㒬 㒭 㒮 㒯 㒰 㒱 㒲 㒳 㒴 㒵 㒶 㒷 㒸 㒹 㒺 㒻 㒼 㒽 㒾 㒿 㓀 㓁 㓂 㓃 㓄 㓅 㓆 㓇 㓈 㓉 㓊 㓋 㓌 㓍 㓎 㓏 㓐 㓑 㓒 㓓 㓔 㓕 㓖 㓗 㓘 㓙 㓚 㓛 㓜 㓝 㓞 㓟 㓠 㓡 㓢 㓣 㓤 㓥 㓦 㓧 㓨 㓩 㓪 㓫 㓬 㓭 㓮 㓯 㓰 㓱 㓲 㓳 㓴 㓵 㓶 㓷 㓸 㓹 㓺 㓻 㓼 㓽 㓾 㓿 㔀 㔁 㔂 㔃 㔄 㔅 㔆 㔇 㔈 㔉 㔊 㔋 㔌 㔍 㔎 㔏 㔐 㔑 㔒 㔓 㔔 㔕 㔖 㔗 㔘 㔙 㔚 㔛 㔜 㔝 㔞 㔟 㔠 㔡 㔢 㔣 㔤 㔥 㔦 㔧 㔨 㔩 㔪 㔫 㔬 㔭 㔮 㔯 㔰 㔱 㔲 㔳 㔴 㔵 㔶 㔷 㔸 㔹 㔺 㔻 㔼 㔽 㔾 㔿 㕀 㕁 㕂 㕃 㕄 㕅 㕆 㕇 㕈 㕉 㕊 㕋 㕌 㕍 㕎 㕏 㕐 㕑 㕒 㕓 㕔 㕕 㕖 㕗 㕘 㕙 㕚 㕛 㕜 㕝 㕞 㕟 㕠 㕡 㕢 㕣 㕤 㕥 㕦 㕧 㕨 㕩 㕪 㕫 㕬 㕭 㕮 㕯 㕰 㕱 㕲 㕳 㕴 㕵 㕶 㕷 㕸 㕹 㕺 㕻 㕼 㕽 㕾 㕿 㖀 㖁 㖂 㖃 㖄 㖅 㖆 㖇 㖈 㖉 㖊 㖋 㖌 㖍 㖎 㖏 㖐 㖑 㖒 㖓 㖔 㖕 㖖 㖗 㖘 㖙 㖚 㖛 㖜 㖝 㖞 㖟 㖠 㖡 㖢 㖣 㖤 㖥 㖦 㖧 㖨 㖩 㖪 㖫 㖬 㖭 㖮 㖯 㖰 㖱 㖲 㖳 㖴 㖵 㖶 㖷 㖸 㖹 㖺 㖻 㖼 㖽 㖾 㖿 㗀 㗁 㗂 㗃 㗄 㗅 㗆 㗇 㗈 㗉 㗊 㗋 㗌 㗍 㗎 㗏 㗐 㗑 㗒 㗓 㗔 㗕 㗖 㗗 㗘 㗙 㗚 㗛 㗜 㗝 㗞 㗟 㗠 㗡 㗢 㗣 㗤 㗥 㗦 㗧 㗨 㗩 㗪 㗫 㗬 㗭 㗮 㗯 㗰 㗱 㗲 㗳 㗴 㗵 㗶 㗷 㗸 㗹 㗺 㗻 㗼 㗽 㗾 㗿 㘀 㘁 㘂 㘃 㘄 㘅 㘆 㘇 㘈 㘉 㘊 㘋 㘌 㘍 㘎 㘏 㘐 㘑 㘒 㘓 㘔 㘕 㘖 㘗 㘘 㘙 㘚 㘛 㘜 㘝 㘞 㘟 㘠 㘡 㘢 㘣 㘤 㘥 㘦 㘧 㘨 㘩 㘪 㘫 㘬 㘭 㘮 㘯 㘰 㘱 㘲 㘳 㘴 㘵 㘶 㘷 㘸 㘹 㘺 㘻 㘼 㘽 㘾 㘿 㙀 㙁 㙂 㙃 㙄 㙅 㙆 㙇 㙈 㙉 㙊 㙋 㙌 㙍 㙎 㙏 㙐 㙑 㙒 㙓 㙔 㙕 㙖 㙗 㙘 㙙 㙚 㙛 㙜 㙝 㙞 㙟 㙠 㙡 㙢 㙣 㙤 㙥 㙦 㙧 㙨 㙩 㙪 㙫 㙬 㙭 㙮 㙯 㙰 㙱 㙲 㙳 㙴 㙵 㙶 㙷 㙸 㙹 㙺 㙻 㙼 㙽 㙾 㙿 㚀 㚁 㚂 㚃 㚄 㚅 㚆 㚇 㚈 㚉 㚊 㚋 㚌 㚍 㚎 㚏 㚐 㚑 㚒 㚓 㚔 㚕 㚖 㚗 㚘 㚙 㚚 㚛 㚜 㚝 㚞 㚟 㚠 㚡 㚢 㚣 㚤 㚥 㚦 㚧 㚨 㚩 㚪 㚫 㚬 㚭 㚮 㚯 㚰 㚱 㚲 㚳 㚴 㚵 㚶 㚷 㚸 㚹 㚺 㚻 㚼 㚽 㚾 㚿 㞀 㞁 㞂 㞃 㞄 㞅 㞆 㞇 㞈 㞉 㞊 㞋 㞌 㞍 㞎 㞏 㞐 㞑 㞒 㞓 㞔 㞕 㞖 㞗 㞘 㞙 㞚 㞛 㞜 㞝 㞞 㞟 㞠 㞡 㞢 㞣 㞤 㞥 㞦 㞧 㞨 㞩 㞪 㞫 㞬 㞭 㞮 㞯 㞰 㞱 㞲 㞳 㞴 㞵 㞶 㞷 㞸 㞹 㞺 㞻 㞼 㞽 㞾 㞿 㟀 㟁 㟂 㟃 㟄 㟅 㟆 㟇 㟈 㟉 㟊 㟋 㟌 㟍 㟎 㟏 㟐 㟑 㟒 㟓 㟔 㟕 㟖 㟗 㟘 㟙 㟚 㟛 㟜 㟝 㟞 㟟 㟠 㟡 㟢 㟣 㟤 㟥 㟦 㟧 㟨 㟩 㟪 㟫 㟬 㟭 㟮 㟯 㟰 㟱 㟲 㟳 㟴 㟵 㟶 㟷 㟸 㟹 㟺 㟻 㟼 㟽 㟾 㟿 㠀 㠁 㠂 㠃 㠄 㠅 㠆 㠇 㠈 㠉 㠊 㠋 㠌 㠍 㠎 㠏 㠐 㠑 㠒 㠓 㠔 㠕 㠖 㠗 㠘 㠙 㠚 㠛 㠜 㠝 㠞 㠟 㠠 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HRP Associates 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		SOIL VAPOR INTRUSION FIELD SAMPLING FORM			
Project:	473 President St.	Building I.D.:			
HRP Job #	Dec 1035.P2	Vapor Point ID:	SV-15		
Date:	1/18/23	Sampler:	SV-15 SD		
Helium Meter:	Delecta EHG-D205C	PID Meter:	Mini Rae 3000		
Soil Vapor SUMMA Canister Record:					
SOIL VAPOR POINT			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:		Flow Regulator No.:			
Canister Serial No.:	2785	Canister Serial No.:			
Start Date/Time:	1/18/23 8:50	Start Date/Time:			
Start Pressure: (inches Hg)	30	Start Pressure: (inches Hg)			
Stop Date/Time:	10:07	Stop Date/Time:			
Stop Pressure: (inches Hg)	9	Stop Pressure: (inches Hg)			
Sample ID:	SV-15-1.18.23	Sample ID:			
Indoor Air SUMMA Canister Record:					
BASEMENT OR GROUND FLOOR			FIRST FLOOR LIVING SPACE		
Flow Regulator No.:			Flow Regulator No.:		
Canister Serial No.:			Canister Serial No.:		
Start Date/Time:			Start Date/Time:		
Start Pressure: (inches Hg)			Start Pressure: (inches Hg)		
Stop Date/Time:			Stop Date/Time:		
Stop Pressure: (inches Hg)			Stop Pressure: (inches Hg)		
Sample ID:			Sample ID:		
Other Sampling Information:					
Helium Concentration in Enclosure:	16.7	Depth to Sample Point	7		
Helium Concentration in Vapor Point:	50	Approx. Depth to Groundwater:	9		
Vapor Point He/Enclosure He (%)	0.003	Noticeable Odor?	No		
Purge Method and Purge Volume:	1500	Soil Vapor Point Screen Type:	6" steel		
Note: Mini Rae 3000 pump rate= 450 cc/min		Tubing Type:	Teflon		
PID Reading (post-purge)	0.1	Backfill Type, Depth:	Sand 18"		
Indoor Ambient Temperature & Humidity:		Seal Type, Depth:	Best 3-6		
Outdoor Ambient Temperature & Humidity:	50		Glass Beads		
Wind Direction:	N				
Comments:					

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HRP Associates 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		SOIL VAPOR INTRUSION FIELD SAMPLING FORM			
Project:	473 Resident St	Building I.D.:	---		
HRP Job #	DECISIONS.P2	Vapor Point ID:	SV-16		
Date:	1/18/23	Sampler:	10-2446 SD		
Helium Meter:	1) Deflectric HGD 2000	PID Meter:	MiniRae 3000		
Soil Vapor SUMMA Canister Record:					
SOIL VAPOR POINT			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:	- FC0216	Flow Regulator No.:	/		
Canister Serial No.:	3077	Canister Serial No.:			
Start Date/Time:	1/18/23 8:40	Start Date/Time:			
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)			
Stop Date/Time:	1/18/23 10:05	Stop Date/Time:			
Stop Pressure: (inches Hg)	7	Stop Pressure: (inches Hg)			
Sample ID:	SV-16-1.18.23	Sample ID:			
Indoor Air SUMMA Canister Record:					
BASEMENT OR GROUND FLOOR			FIRST FLOOR LIVING SPACE		
Flow Regulator No.:	/		Flow Regulator No.:	/	
Canister Serial No.:			Canister Serial No.:		
Start Date/Time:			Start Date/Time:		
Start Pressure: (inches Hg)			Start Pressure: (inches Hg)		
Stop Date/Time:			Stop Date/Time:		
Stop Pressure: (inches Hg)			Stop Pressure: (inches Hg)		
Sample ID:			Sample ID:		
Other Sampling Information:					
Helium Concentration in Enclosure:	11.9	Depth to Sample Point	7		
Helium Concentration in Vapor Point:	50	Approx. Depth to Groundwater:	9		
Vapor Point He/Enclosure He (%)	0.0004	Noticeable Odor?	No		
Purge Method and Purge Volume:	1500	Soil Vapor Point Screen Type:	6" steel		
Note: Mini Rae 3000 pump rate= 450 cc/min					
PID Reading (post-purge)	0.0	Tubing Type:	Teflon		
Indoor Ambient Temperature & Humidity:	50°F	Backfill Type, Depth:	Sand		
Outdoor Ambient Temperature & Humidity:	50°F	Seal Type, Depth:	Best 3-6'		
Wind Direction:			Glass Beads 7-6'		
Comments:					

HRP Associates 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		SOIL VAPOR INTRUSION FIELD SAMPLING FORM			
Project: 973 President St.		Building I.D:			
HRP Job #: DEC1035-PC		Vapor Point ID: SV-17			
Date: 1/18/23		Sampler: SD			
Helium Meter: Dielectric UGD2002		PID Meter: Mini Rae 3000			
Soil Vapor SUMMA Canister Record:					
SOIL VAPOR POINT			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:	FC1090	Flow Regulator No.:			
Canister Serial No.:	3137	Canister Serial No.:			
Start Date/Time:	1/18/23 9:03	Start Date/Time:			
Start Pressure: (inches Hg)	28	Start Pressure: (inches Hg)			
Stop Date/Time:	1/18/23 10:08	Stop Date/Time:			
Stop Pressure: (inches Hg)	9	Stop Pressure: (inches Hg)			
Sample ID:	SV-18-1-18-23	Sample ID:	SV-17-1-18-23		
Indoor Air SUMMA Canister Record:					
BASEMENT OR GROUND FLOOR			FIRST FLOOR LIVING SPACE		
Flow Regulator No.:		Flow Regulator No.:			
Canister Serial No.:		Canister Serial No.:			
Start Date/Time:		Start Date/Time:			
Start Pressure: (inches Hg)		Start Pressure: (inches Hg)			
Stop Date/Time:		Stop Date/Time:			
Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)			
Sample ID:		Sample ID:			
Other Sampling Information:					
Helium Concentration in Enclosure:	15.5%	Depth to Sample Point:	6		
Helium Concentration in Vapor Point:	50	Approx. Depth to Groundwater:	8		
Vapor Point He/Enclosure He (%)	0.0003	Noticeable Odor?	No		
Purge Method and Purge Volume:		Soil Vapor Point Screen Type:	6" steel		
Note: Mini Rae 3000 pump rate= 450 cc/min	1500	Tubing Type:	teflon		
PID Reading (post-purge)	0.6	Backfill Type, Depth:	Sand 6"		
Indoor Ambient Temperature & Humidity:		Seal Type, Depth:	Bestonite 3-5'		
Outdoor Ambient Temperature & Humidity:	40		Grass Beds 6-5'		
Wind Direction:	N				
Comments:					

HRP Associates 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101		SOIL VAPOR INTRUSION FIELD SAMPLING FORM			
Project:	HCS St		Building I.D.:	7	
HRP Job #			Vapor Point ID:	SV-18	
Date:	1/18/23		Sampler:	SD	
Helium Meter:	Dielectric MPD 2000		PID Meter:	MiniRae 3000	
Soil Vapor SUMMA Canister Record:					
SOIL VAPOR POINT FC0553			DUPLICATE SAMPLE (IF COLLECTED)		
Flow Regulator No.:	3116 2876		Flow Regulator No.:	3116 2876	
Canister Serial No.:	2876		Canister Serial No.:	3116	
Start Date/Time:	1/18/23 8:23		Start Date/Time:	8:23	
Start Pressure: (inches Hg)	-30		Start Pressure: (inches Hg)	-30	
Stop Date/Time:	1/18/23 9:55		Stop Date/Time:	9:55	
Stop Pressure: (inches Hg)	-8		Stop Pressure: (inches Hg)	-8	
Sample ID:	SV-18-1.18.23		Sample ID:	DUP-1.18.23	
Indoor Air SUMMA Canister Record: Outdoor					
~~BASEMENT OR GROUND FLOOR~~			FIRST FLOOR LIVING SPACE		
Flow Regulator No.:	FC 2618		Flow Regulator No.:		
Canister Serial No.:	2450		Canister Serial No.:		
Start Date/Time:	1/18/23 8:25		Start Date/Time:		
Start Pressure: (inches Hg)	-30		Start Pressure: (inches Hg)		
Stop Date/Time:	1/18/23 9:50		Stop Date/Time:		
Stop Pressure: (inches Hg)	-9		Stop Pressure: (inches Hg)		
Sample ID:	OA-1.18.23		Sample ID:		
Other Sampling Information:					
Helium Concentration in Enclosure:	13-1		Depth to Sample Point	6	
Helium Concentration in Vapor Point:	75		Approx. Depth to Groundwater:	8	
Vapor Point He/Enclosure He (%)	0.0006		Noticeable Odor?	No	
Purge Method and Purge Volume:	1500		Soil Vapor Point Screen Type:	6" Steel	
Note: Mini Rae 3000 pump rate= 450 cc/min			Tubing Type:	Teflon	
PID Reading (post-purge)	0.2		Backfill Type, Depth:	Sand 6"	
Indoor Ambient Temperature & Humidity:	50		Seal Type, Depth:	Bentonite 3-5"	
Outdoor Ambient Temperature & Humidity:				Glass Beads 6-5"	
Wind Direction:	N				
Comments:	Outdoor collected next to well. & Duplicate collected				

- 2 different #s on dup reg
no #?
FC 0553 on barcode

ATTACHMENT B

CAMP Data

Community Air Monitoring Program Report

Datalog

Current Event:22/10/18 08:22

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/18/2022 08:22:43
End	10/18/2022 12:15:59
Sample Period(s)	60
Number of Records	233

Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

Sheet

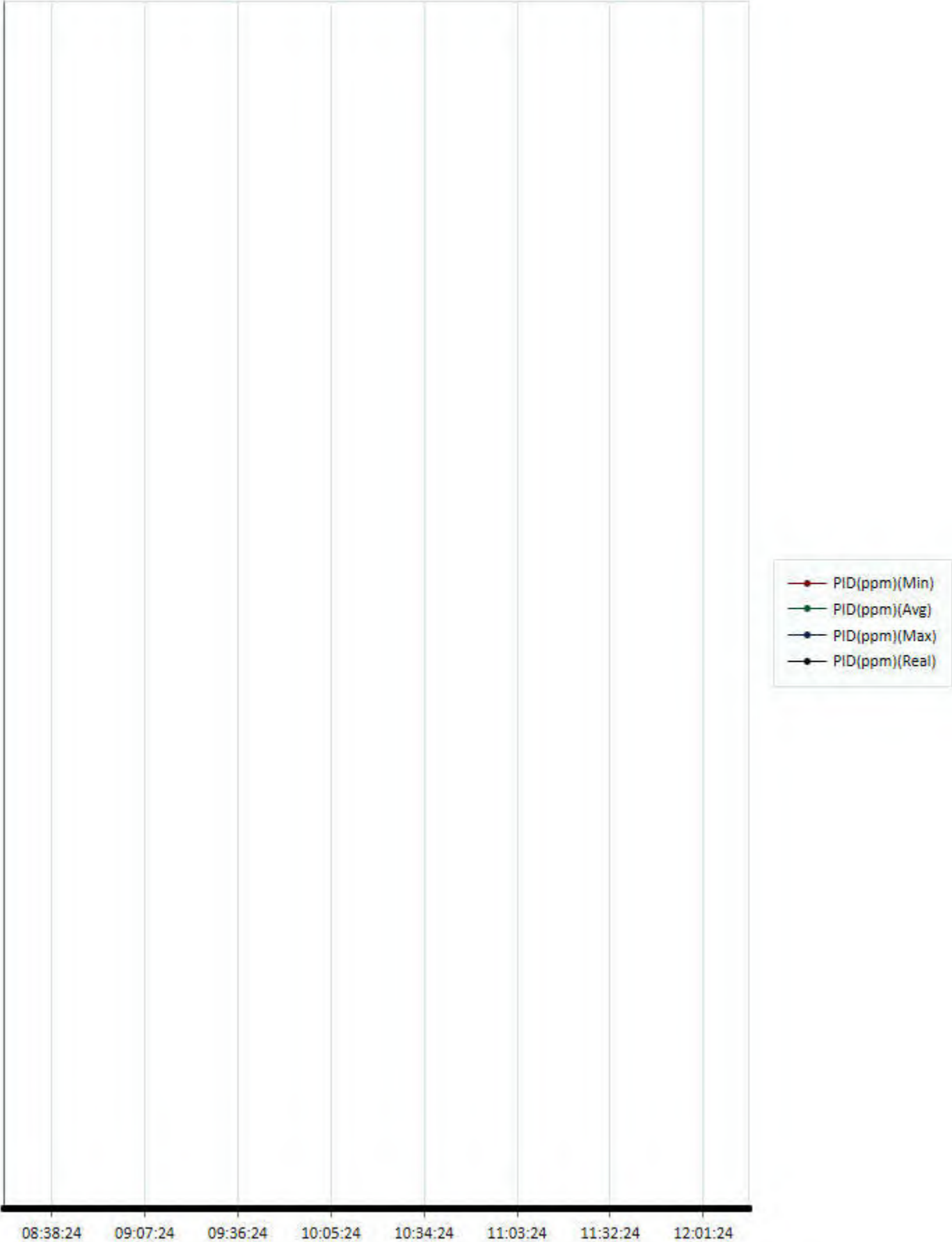
Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/18/2022 08:23:43	0.0	0.0	0.0	0.0
002	10/18/2022 08:24:43	0.0	0.0	0.0	0.0
003	10/18/2022 08:25:43	0.0	0.0	0.0	0.0
004	10/18/2022 08:26:43	0.0	0.0	0.0	0.0
005	10/18/2022 08:27:43	0.0	0.0	0.0	0.0
006	10/18/2022 08:28:43	0.0	0.0	0.0	0.0
007	10/18/2022 08:29:43	0.0	0.0	0.0	0.0
008	10/18/2022 08:30:43	0.0	0.0	0.0	0.0
009	10/18/2022 08:31:43	0.0	0.0	0.0	0.0
010	10/18/2022 08:32:43	0.0	0.0	0.0	0.0
011	10/18/2022 08:33:43	0.0	0.0	0.0	0.0
012	10/18/2022 08:34:43	0.0	0.0	0.0	0.0
013	10/18/2022 08:35:43	0.0	0.0	0.0	0.0
014	10/18/2022 08:36:43	0.0	0.0	0.0	0.0
015	10/18/2022 08:37:43	0.0	0.0	0.0	0.0
016	10/18/2022 08:38:43	0.0	0.0	0.0	0.0
017	10/18/2022 08:39:43	0.0	0.0	0.0	0.0
018	10/18/2022 08:40:43	0.0	0.0	0.0	0.0
019	10/18/2022 08:41:43	0.0	0.0	0.0	0.0
020	10/18/2022 08:42:43	0.0	0.0	0.0	0.0
021	10/18/2022 08:43:43	0.0	0.0	0.0	0.0
022	10/18/2022 08:44:43	0.0	0.0	0.0	0.0
023	10/18/2022 08:45:43	0.0	0.0	0.0	0.0
024	10/18/2022 08:46:43	0.0	0.0	0.0	0.0
025	10/18/2022 08:47:43	0.0	0.0	0.0	0.0
026	10/18/2022 08:48:43	0.0	0.0	0.0	0.0
027	10/18/2022 08:49:43	0.0	0.0	0.0	0.0
028	10/18/2022 08:50:43	0.0	0.0	0.0	0.0
029	10/18/2022 08:51:43	0.0	0.0	0.0	0.0
030	10/18/2022 08:52:43	0.0	0.0	0.0	0.0
031	10/18/2022 08:53:43	0.0	0.0	0.0	0.0
032	10/18/2022 08:54:43	0.0	0.0	0.0	0.0
033	10/18/2022 08:55:43	0.0	0.0	0.0	0.0
034	10/18/2022 08:56:43	0.0	0.0	0.0	0.0
035	10/18/2022 08:57:43	0.0	0.0	0.0	0.0
036	10/18/2022 08:58:43	0.0	0.0	0.0	0.0
037	10/18/2022 08:59:43	0.0	0.0	0.0	0.0
038	10/18/2022 09:00:43	0.0	0.0	0.0	0.0
039	10/18/2022 09:01:43	0.0	0.0	0.0	0.0
040	10/18/2022 09:02:43	0.0	0.0	0.0	0.0
041	10/18/2022 09:03:43	0.0	0.0	0.0	0.0
042	10/18/2022 09:04:43	0.0	0.0	0.0	0.0
043	10/18/2022 09:05:43	0.0	0.0	0.0	0.0
044	10/18/2022 09:06:43	0.0	0.0	0.0	0.0
045	10/18/2022 09:07:43	0.0	0.0	0.0	0.0
046	10/18/2022 09:08:43	0.0	0.0	0.0	0.0
047	10/18/2022 09:09:43	0.0	0.0	0.0	0.0
048	10/18/2022 09:10:43	0.0	0.0	0.0	0.0
049	10/18/2022 09:11:43	0.0	0.0	0.0	0.0
050	10/18/2022 09:12:43	0.0	0.0	0.0	0.0
051	10/18/2022 09:13:43	0.0	0.0	0.0	0.0
052	10/18/2022 09:14:43	0.0	0.0	0.0	0.0
053	10/18/2022 09:15:43	0.0	0.0	0.0	0.0
054	10/18/2022 09:16:43	0.0	0.0	0.0	0.0
055	10/18/2022 09:17:43	0.0	0.0	0.0	0.0
056	10/18/2022 09:18:43	0.0	0.0	0.0	0.0
057	10/18/2022 09:19:43	0.0	0.0	0.0	0.0
058	10/18/2022 09:20:43	0.0	0.0	0.0	0.0
059	10/18/2022 09:21:43	0.0	0.0	0.0	0.0
060	10/18/2022 09:22:43	0.0	0.0	0.0	0.0
061	10/18/2022 09:23:43	0.0	0.0	0.0	0.0

062	10/18/2022 09:24:43	0.0	0.0	0.0	0.0
063	10/18/2022 09:25:43	0.0	0.0	0.0	0.0
064	10/18/2022 09:26:43	0.0	0.0	0.0	0.0
065	10/18/2022 09:27:43	0.0	0.0	0.0	0.0
066	10/18/2022 09:28:43	0.0	0.0	0.0	0.0
067	10/18/2022 09:29:43	0.0	0.0	0.0	0.0
068	10/18/2022 09:30:43	0.0	0.0	0.0	0.0
069	10/18/2022 09:31:43	0.0	0.0	0.0	0.0
070	10/18/2022 09:32:43	0.0	0.0	0.0	0.0
071	10/18/2022 09:33:43	0.0	0.0	0.0	0.0
072	10/18/2022 09:34:43	0.0	0.0	0.0	0.0
073	10/18/2022 09:35:43	0.0	0.0	0.0	0.0
074	10/18/2022 09:36:43	0.0	0.0	0.0	0.0
075	10/18/2022 09:37:43	0.0	0.0	0.0	0.0
076	10/18/2022 09:38:43	0.0	0.0	0.0	0.0
077	10/18/2022 09:39:43	0.0	0.0	0.0	0.0
078	10/18/2022 09:40:43	0.0	0.0	0.0	0.0
079	10/18/2022 09:41:43	0.0	0.0	0.0	0.0
080	10/18/2022 09:42:43	0.0	0.0	0.0	0.0
081	10/18/2022 09:43:43	0.0	0.0	0.0	0.0
082	10/18/2022 09:44:43	0.0	0.0	0.0	0.0
083	10/18/2022 09:45:43	0.0	0.0	0.0	0.0
084	10/18/2022 09:46:43	0.0	0.0	0.0	0.0
085	10/18/2022 09:47:43	0.0	0.0	0.0	0.0
086	10/18/2022 09:48:43	0.0	0.0	0.0	0.0
087	10/18/2022 09:49:43	0.0	0.0	0.0	0.0
088	10/18/2022 09:50:43	0.0	0.0	0.0	0.0
089	10/18/2022 09:51:43	0.0	0.0	0.0	0.0
090	10/18/2022 09:52:43	0.0	0.0	0.0	0.0
091	10/18/2022 09:53:43	0.0	0.0	0.0	0.0
092	10/18/2022 09:54:43	0.0	0.0	0.0	0.0
093	10/18/2022 09:55:43	0.0	0.0	0.0	0.0
094	10/18/2022 09:56:43	0.0	0.0	0.0	0.0
095	10/18/2022 09:57:43	0.0	0.0	0.0	0.0
096	10/18/2022 09:58:43	0.0	0.0	0.0	0.0
097	10/18/2022 09:59:43	0.0	0.0	0.0	0.0
098	10/18/2022 10:00:43	0.0	0.0	0.0	0.0
099	10/18/2022 10:01:43	0.0	0.0	0.0	0.0
100	10/18/2022 10:02:43	0.0	0.0	0.0	0.0
101	10/18/2022 10:03:43	0.0	0.0	0.0	0.0
102	10/18/2022 10:04:43	0.0	0.0	0.0	0.0
103	10/18/2022 10:05:43	0.0	0.0	0.0	0.0
104	10/18/2022 10:06:43	0.0	0.0	0.0	0.0
105	10/18/2022 10:07:43	0.0	0.0	0.0	0.0
106	10/18/2022 10:08:43	0.0	0.0	0.0	0.0
107	10/18/2022 10:09:43	0.0	0.0	0.0	0.0
108	10/18/2022 10:10:43	0.0	0.0	0.0	0.0
109	10/18/2022 10:11:43	0.0	0.0	0.0	0.0
110	10/18/2022 10:12:43	0.0	0.0	0.0	0.0
111	10/18/2022 10:13:43	0.0	0.0	0.0	0.0
112	10/18/2022 10:14:43	0.0	0.0	0.0	0.0
113	10/18/2022 10:15:43	0.0	0.0	0.0	0.0
114	10/18/2022 10:16:43	0.0	0.0	0.0	0.0
115	10/18/2022 10:17:43	0.0	0.0	0.0	0.0
116	10/18/2022 10:18:43	0.0	0.0	0.0	0.0
117	10/18/2022 10:19:43	0.0	0.0	0.0	0.0
118	10/18/2022 10:20:43	0.0	0.0	0.0	0.0
119	10/18/2022 10:21:43	0.0	0.0	0.0	0.0
120	10/18/2022 10:22:43	0.0	0.0	0.0	0.0
121	10/18/2022 10:23:43	0.0	0.0	0.0	0.0
122	10/18/2022 10:24:43	0.0	0.0	0.0	0.0
123	10/18/2022 10:25:43	0.0	0.0	0.0	0.0
124	10/18/2022 10:26:43	0.0	0.0	0.0	0.0
125	10/18/2022 10:27:43	0.0	0.0	0.0	0.0
126	10/18/2022 10:28:43	0.0	0.0	0.0	0.0

127	10/18/2022 10:29:43	0.0	0.0	0.0	0.0
128	10/18/2022 10:30:43	0.0	0.0	0.0	0.0
129	10/18/2022 10:31:43	0.0	0.0	0.0	0.0
130	10/18/2022 10:32:43	0.0	0.0	0.0	0.0
131	10/18/2022 10:33:43	0.0	0.0	0.0	0.0
132	10/18/2022 10:34:43	0.0	0.0	0.0	0.0
133	10/18/2022 10:35:43	0.0	0.0	0.0	0.0
134	10/18/2022 10:36:43	0.0	0.0	0.0	0.0
135	10/18/2022 10:37:43	0.0	0.0	0.0	0.0
136	10/18/2022 10:38:43	0.0	0.0	0.0	0.0
137	10/18/2022 10:39:43	0.0	0.0	0.0	0.0
138	10/18/2022 10:40:43	0.0	0.0	0.0	0.0
139	10/18/2022 10:41:43	0.0	0.0	0.0	0.0
140	10/18/2022 10:42:43	0.0	0.0	0.0	0.0
141	10/18/2022 10:43:43	0.0	0.0	0.0	0.0
142	10/18/2022 10:44:43	0.0	0.0	0.0	0.0
143	10/18/2022 10:45:43	0.0	0.0	0.0	0.0
144	10/18/2022 10:46:43	0.0	0.0	0.0	0.0
145	10/18/2022 10:47:43	0.0	0.0	0.0	0.0
146	10/18/2022 10:48:43	0.0	0.0	0.0	0.0
147	10/18/2022 10:49:43	0.0	0.0	0.0	0.0
148	10/18/2022 10:50:43	0.0	0.0	0.0	0.0
149	10/18/2022 10:51:43	0.0	0.0	0.0	0.0
150	10/18/2022 10:52:43	0.0	0.0	0.0	0.0
151	10/18/2022 10:53:43	0.0	0.0	0.0	0.0
152	10/18/2022 10:54:43	0.0	0.0	0.0	0.0
153	10/18/2022 10:55:43	0.0	0.0	0.0	0.0
154	10/18/2022 10:56:43	0.0	0.0	0.0	0.0
155	10/18/2022 10:57:43	0.0	0.0	0.0	0.0
156	10/18/2022 10:58:43	0.0	0.0	0.0	0.0
157	10/18/2022 10:59:43	0.0	0.0	0.0	0.0
158	10/18/2022 11:00:43	0.0	0.0	0.0	0.0
159	10/18/2022 11:01:43	0.0	0.0	0.0	0.0
160	10/18/2022 11:02:43	0.0	0.0	0.0	0.0
161	10/18/2022 11:03:43	0.0	0.0	0.0	0.0
162	10/18/2022 11:04:43	0.0	0.0	0.0	0.0
163	10/18/2022 11:05:43	0.0	0.0	0.0	0.0
164	10/18/2022 11:06:43	0.0	0.0	0.0	0.0
165	10/18/2022 11:07:43	0.0	0.0	0.0	0.0
166	10/18/2022 11:08:43	0.0	0.0	0.0	0.0
167	10/18/2022 11:09:43	0.0	0.0	0.0	0.0
168	10/18/2022 11:10:43	0.0	0.0	0.0	0.0
169	10/18/2022 11:11:43	0.0	0.0	0.0	0.0
170	10/18/2022 11:12:43	0.0	0.0	0.0	0.0
171	10/18/2022 11:13:43	0.0	0.0	0.0	0.0
172	10/18/2022 11:14:43	0.0	0.0	0.0	0.0
173	10/18/2022 11:15:43	0.0	0.0	0.0	0.0
174	10/18/2022 11:16:43	0.0	0.0	0.0	0.0
175	10/18/2022 11:17:43	0.0	0.0	0.0	0.0
176	10/18/2022 11:18:43	0.0	0.0	0.0	0.0
177	10/18/2022 11:19:43	0.0	0.0	0.0	0.0
178	10/18/2022 11:20:43	0.0	0.0	0.0	0.0
179	10/18/2022 11:21:43	0.0	0.0	0.0	0.0
180	10/18/2022 11:22:43	0.0	0.0	0.0	0.0
181	10/18/2022 11:23:43	0.0	0.0	0.0	0.0
182	10/18/2022 11:24:43	0.0	0.0	0.0	0.0
183	10/18/2022 11:25:43	0.0	0.0	0.0	0.0
184	10/18/2022 11:26:43	0.0	0.0	0.0	0.0
185	10/18/2022 11:27:43	0.0	0.0	0.0	0.0
186	10/18/2022 11:28:43	0.0	0.0	0.0	0.0
187	10/18/2022 11:29:43	0.0	0.0	0.0	0.0
188	10/18/2022 11:30:43	0.0	0.0	0.0	0.0
189	10/18/2022 11:31:43	0.0	0.0	0.0	0.0
190	10/18/2022 11:32:43	0.0	0.0	0.0	0.0
191	10/18/2022 11:33:43	0.0	0.0	0.0	0.0

192	10/18/2022 11:34:43	0.0	0.0	0.0	0.0
193	10/18/2022 11:35:43	0.0	0.0	0.0	0.0
194	10/18/2022 11:36:43	0.0	0.0	0.0	0.0
195	10/18/2022 11:37:43	0.0	0.0	0.0	0.0
196	10/18/2022 11:38:43	0.0	0.0	0.0	0.0
197	10/18/2022 11:39:43	0.0	0.0	0.0	0.0
198	10/18/2022 11:40:43	0.0	0.0	0.0	0.0
199	10/18/2022 11:41:43	0.0	0.0	0.0	0.0
200	10/18/2022 11:42:43	0.0	0.0	0.0	0.0
201	10/18/2022 11:43:43	0.0	0.0	0.0	0.0
202	10/18/2022 11:44:43	0.0	0.0	0.0	0.0
203	10/18/2022 11:45:43	0.0	0.0	0.0	0.0
204	10/18/2022 11:46:43	0.0	0.0	0.0	0.0
205	10/18/2022 11:47:43	0.0	0.0	0.0	0.0
206	10/18/2022 11:48:43	0.0	0.0	0.0	0.0
207	10/18/2022 11:49:43	0.0	0.0	0.0	0.0
208	10/18/2022 11:50:43	0.0	0.0	0.0	0.0
209	10/18/2022 11:51:43	0.0	0.0	0.0	0.0
210	10/18/2022 11:52:43	0.0	0.0	0.0	0.0
211	10/18/2022 11:53:43	0.0	0.0	0.0	0.0
212	10/18/2022 11:54:43	0.0	0.0	0.0	0.0
213	10/18/2022 11:55:43	0.0	0.0	0.0	0.0
214	10/18/2022 11:56:43	0.0	0.0	0.0	0.0
215	10/18/2022 11:57:43	0.0	0.0	0.0	0.0
216	10/18/2022 11:58:43	0.0	0.0	0.0	0.0
217	10/18/2022 11:59:43	0.0	0.0	0.0	0.0
218	10/18/2022 12:00:43	0.0	0.0	0.0	0.0
219	10/18/2022 12:01:43	0.0	0.0	0.0	0.0
220	10/18/2022 12:02:43	0.0	0.0	0.0	0.0
221	10/18/2022 12:03:43	0.0	0.0	0.0	0.0
222	10/18/2022 12:04:43	0.0	0.0	0.0	0.0
223	10/18/2022 12:05:43	0.0	0.0	0.0	0.0
224	10/18/2022 12:06:43	0.0	0.0	0.0	0.0
225	10/18/2022 12:07:43	0.0	0.0	0.0	0.0
226	10/18/2022 12:08:43	0.0	0.0	0.0	0.0
227	10/18/2022 12:09:43	0.0	0.0	0.0	0.0
228	10/18/2022 12:10:43	0.0	0.0	0.0	0.0
229	10/18/2022 12:11:43	0.0	0.0	0.0	0.0
230	10/18/2022 12:12:43	0.0	0.0	0.0	0.0
231	10/18/2022 12:13:43	0.0	0.0	0.0	0.0
232	10/18/2022 12:14:43	0.0	0.0	0.0	0.0
233	10/18/2022 12:15:43	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/18/2022 08:23:43	0.0	---
002	10/18/2022 08:24:43	0.0	---
003	10/18/2022 08:25:43	0.0	---
004	10/18/2022 08:26:43	0.0	---
005	10/18/2022 08:27:43	0.0	---
006	10/18/2022 08:28:43	0.0	---
007	10/18/2022 08:29:43	0.0	---
008	10/18/2022 08:30:43	0.0	---
009	10/18/2022 08:31:43	0.0	---
010	10/18/2022 08:32:43	0.0	---
011	10/18/2022 08:33:43	0.0	---
012	10/18/2022 08:34:43	0.0	---
013	10/18/2022 08:35:43	0.0	---
014	10/18/2022 08:36:43	0.0	---
015	10/18/2022 08:37:43	0.0	0.0
016	10/18/2022 08:38:43	0.0	0.0
017	10/18/2022 08:39:43	0.0	0.0
018	10/18/2022 08:40:43	0.0	0.0
019	10/18/2022 08:41:43	0.0	0.0
020	10/18/2022 08:42:43	0.0	0.0
021	10/18/2022 08:43:43	0.0	0.0
022	10/18/2022 08:44:43	0.0	0.0
023	10/18/2022 08:45:43	0.0	0.0
024	10/18/2022 08:46:43	0.0	0.0
025	10/18/2022 08:47:43	0.0	0.0
026	10/18/2022 08:48:43	0.0	0.0
027	10/18/2022 08:49:43	0.0	0.0
028	10/18/2022 08:50:43	0.0	0.0
029	10/18/2022 08:51:43	0.0	0.0
030	10/18/2022 08:52:43	0.0	0.0
031	10/18/2022 08:53:43	0.0	0.0
032	10/18/2022 08:54:43	0.0	0.0
033	10/18/2022 08:55:43	0.0	0.0
034	10/18/2022 08:56:43	0.0	0.0
035	10/18/2022 08:57:43	0.0	0.0
036	10/18/2022 08:58:43	0.0	0.0
037	10/18/2022 08:59:43	0.0	0.0
038	10/18/2022 09:00:43	0.0	0.0
039	10/18/2022 09:01:43	0.0	0.0
040	10/18/2022 09:02:43	0.0	0.0
041	10/18/2022 09:03:43	0.0	0.0
042	10/18/2022 09:04:43	0.0	0.0
043	10/18/2022 09:05:43	0.0	0.0
044	10/18/2022 09:06:43	0.0	0.0
045	10/18/2022 09:07:43	0.0	0.0
046	10/18/2022 09:08:43	0.0	0.0
047	10/18/2022 09:09:43	0.0	0.0
048	10/18/2022 09:10:43	0.0	0.0
049	10/18/2022 09:11:43	0.0	0.0
050	10/18/2022 09:12:43	0.0	0.0
051	10/18/2022 09:13:43	0.0	0.0
052	10/18/2022 09:14:43	0.0	0.0
053	10/18/2022 09:15:43	0.0	0.0
054	10/18/2022 09:16:43	0.0	0.0
055	10/18/2022 09:17:43	0.0	0.0
056	10/18/2022 09:18:43	0.0	0.0
057	10/18/2022 09:19:43	0.0	0.0
058	10/18/2022 09:20:43	0.0	0.0
059	10/18/2022 09:21:43	0.0	0.0
060	10/18/2022 09:22:43	0.0	0.0
061	10/18/2022 09:23:43	0.0	0.0

062	10/18/2022 09:24:43	0.0	0.0
063	10/18/2022 09:25:43	0.0	0.0
064	10/18/2022 09:26:43	0.0	0.0
065	10/18/2022 09:27:43	0.0	0.0
066	10/18/2022 09:28:43	0.0	0.0
067	10/18/2022 09:29:43	0.0	0.0
068	10/18/2022 09:30:43	0.0	0.0
069	10/18/2022 09:31:43	0.0	0.0
070	10/18/2022 09:32:43	0.0	0.0
071	10/18/2022 09:33:43	0.0	0.0
072	10/18/2022 09:34:43	0.0	0.0
073	10/18/2022 09:35:43	0.0	0.0
074	10/18/2022 09:36:43	0.0	0.0
075	10/18/2022 09:37:43	0.0	0.0
076	10/18/2022 09:38:43	0.0	0.0
077	10/18/2022 09:39:43	0.0	0.0
078	10/18/2022 09:40:43	0.0	0.0
079	10/18/2022 09:41:43	0.0	0.0
080	10/18/2022 09:42:43	0.0	0.0
081	10/18/2022 09:43:43	0.0	0.0
082	10/18/2022 09:44:43	0.0	0.0
083	10/18/2022 09:45:43	0.0	0.0
084	10/18/2022 09:46:43	0.0	0.0
085	10/18/2022 09:47:43	0.0	0.0
086	10/18/2022 09:48:43	0.0	0.0
087	10/18/2022 09:49:43	0.0	0.0
088	10/18/2022 09:50:43	0.0	0.0
089	10/18/2022 09:51:43	0.0	0.0
090	10/18/2022 09:52:43	0.0	0.0
091	10/18/2022 09:53:43	0.0	0.0
092	10/18/2022 09:54:43	0.0	0.0
093	10/18/2022 09:55:43	0.0	0.0
094	10/18/2022 09:56:43	0.0	0.0
095	10/18/2022 09:57:43	0.0	0.0
096	10/18/2022 09:58:43	0.0	0.0
097	10/18/2022 09:59:43	0.0	0.0
098	10/18/2022 10:00:43	0.0	0.0
099	10/18/2022 10:01:43	0.0	0.0
100	10/18/2022 10:02:43	0.0	0.0
101	10/18/2022 10:03:43	0.0	0.0
102	10/18/2022 10:04:43	0.0	0.0
103	10/18/2022 10:05:43	0.0	0.0
104	10/18/2022 10:06:43	0.0	0.0
105	10/18/2022 10:07:43	0.0	0.0
106	10/18/2022 10:08:43	0.0	0.0
107	10/18/2022 10:09:43	0.0	0.0
108	10/18/2022 10:10:43	0.0	0.0
109	10/18/2022 10:11:43	0.0	0.0
110	10/18/2022 10:12:43	0.0	0.0
111	10/18/2022 10:13:43	0.0	0.0
112	10/18/2022 10:14:43	0.0	0.0
113	10/18/2022 10:15:43	0.0	0.0
114	10/18/2022 10:16:43	0.0	0.0
115	10/18/2022 10:17:43	0.0	0.0
116	10/18/2022 10:18:43	0.0	0.0
117	10/18/2022 10:19:43	0.0	0.0
118	10/18/2022 10:20:43	0.0	0.0
119	10/18/2022 10:21:43	0.0	0.0
120	10/18/2022 10:22:43	0.0	0.0
121	10/18/2022 10:23:43	0.0	0.0
122	10/18/2022 10:24:43	0.0	0.0
123	10/18/2022 10:25:43	0.0	0.0
124	10/18/2022 10:26:43	0.0	0.0
125	10/18/2022 10:27:43	0.0	0.0
126	10/18/2022 10:28:43	0.0	0.0

127	10/18/2022 10:29:43	0.0	0.0
128	10/18/2022 10:30:43	0.0	0.0
129	10/18/2022 10:31:43	0.0	0.0
130	10/18/2022 10:32:43	0.0	0.0
131	10/18/2022 10:33:43	0.0	0.0
132	10/18/2022 10:34:43	0.0	0.0
133	10/18/2022 10:35:43	0.0	0.0
134	10/18/2022 10:36:43	0.0	0.0
135	10/18/2022 10:37:43	0.0	0.0
136	10/18/2022 10:38:43	0.0	0.0
137	10/18/2022 10:39:43	0.0	0.0
138	10/18/2022 10:40:43	0.0	0.0
139	10/18/2022 10:41:43	0.0	0.0
140	10/18/2022 10:42:43	0.0	0.0
141	10/18/2022 10:43:43	0.0	0.0
142	10/18/2022 10:44:43	0.0	0.0
143	10/18/2022 10:45:43	0.0	0.0
144	10/18/2022 10:46:43	0.0	0.0
145	10/18/2022 10:47:43	0.0	0.0
146	10/18/2022 10:48:43	0.0	0.0
147	10/18/2022 10:49:43	0.0	0.0
148	10/18/2022 10:50:43	0.0	0.0
149	10/18/2022 10:51:43	0.0	0.0
150	10/18/2022 10:52:43	0.0	0.0
151	10/18/2022 10:53:43	0.0	0.0
152	10/18/2022 10:54:43	0.0	0.0
153	10/18/2022 10:55:43	0.0	0.0
154	10/18/2022 10:56:43	0.0	0.0
155	10/18/2022 10:57:43	0.0	0.0
156	10/18/2022 10:58:43	0.0	0.0
157	10/18/2022 10:59:43	0.0	0.0
158	10/18/2022 11:00:43	0.0	0.0
159	10/18/2022 11:01:43	0.0	0.0
160	10/18/2022 11:02:43	0.0	0.0
161	10/18/2022 11:03:43	0.0	0.0
162	10/18/2022 11:04:43	0.0	0.0
163	10/18/2022 11:05:43	0.0	0.0
164	10/18/2022 11:06:43	0.0	0.0
165	10/18/2022 11:07:43	0.0	0.0
166	10/18/2022 11:08:43	0.0	0.0
167	10/18/2022 11:09:43	0.0	0.0
168	10/18/2022 11:10:43	0.0	0.0
169	10/18/2022 11:11:43	0.0	0.0
170	10/18/2022 11:12:43	0.0	0.0
171	10/18/2022 11:13:43	0.0	0.0
172	10/18/2022 11:14:43	0.0	0.0
173	10/18/2022 11:15:43	0.0	0.0
174	10/18/2022 11:16:43	0.0	0.0
175	10/18/2022 11:17:43	0.0	0.0
176	10/18/2022 11:18:43	0.0	0.0
177	10/18/2022 11:19:43	0.0	0.0
178	10/18/2022 11:20:43	0.0	0.0
179	10/18/2022 11:21:43	0.0	0.0
180	10/18/2022 11:22:43	0.0	0.0
181	10/18/2022 11:23:43	0.0	0.0
182	10/18/2022 11:24:43	0.0	0.0
183	10/18/2022 11:25:43	0.0	0.0
184	10/18/2022 11:26:43	0.0	0.0
185	10/18/2022 11:27:43	0.0	0.0
186	10/18/2022 11:28:43	0.0	0.0
187	10/18/2022 11:29:43	0.0	0.0
188	10/18/2022 11:30:43	0.0	0.0
189	10/18/2022 11:31:43	0.0	0.0
190	10/18/2022 11:32:43	0.0	0.0
191	10/18/2022 11:33:43	0.0	0.0

192	10/18/2022 11:34:43	0.0	0.0
193	10/18/2022 11:35:43	0.0	0.0
194	10/18/2022 11:36:43	0.0	0.0
195	10/18/2022 11:37:43	0.0	0.0
196	10/18/2022 11:38:43	0.0	0.0
197	10/18/2022 11:39:43	0.0	0.0
198	10/18/2022 11:40:43	0.0	0.0
199	10/18/2022 11:41:43	0.0	0.0
200	10/18/2022 11:42:43	0.0	0.0
201	10/18/2022 11:43:43	0.0	0.0
202	10/18/2022 11:44:43	0.0	0.0
203	10/18/2022 11:45:43	0.0	0.0
204	10/18/2022 11:46:43	0.0	0.0
205	10/18/2022 11:47:43	0.0	0.0
206	10/18/2022 11:48:43	0.0	0.0
207	10/18/2022 11:49:43	0.0	0.0
208	10/18/2022 11:50:43	0.0	0.0
209	10/18/2022 11:51:43	0.0	0.0
210	10/18/2022 11:52:43	0.0	0.0
211	10/18/2022 11:53:43	0.0	0.0
212	10/18/2022 11:54:43	0.0	0.0
213	10/18/2022 11:55:43	0.0	0.0
214	10/18/2022 11:56:43	0.0	0.0
215	10/18/2022 11:57:43	0.0	0.0
216	10/18/2022 11:58:43	0.0	0.0
217	10/18/2022 11:59:43	0.0	0.0
218	10/18/2022 12:00:43	0.0	0.0
219	10/18/2022 12:01:43	0.0	0.0
220	10/18/2022 12:02:43	0.0	0.0
221	10/18/2022 12:03:43	0.0	0.0
222	10/18/2022 12:04:43	0.0	0.0
223	10/18/2022 12:05:43	0.0	0.0
224	10/18/2022 12:06:43	0.0	0.0
225	10/18/2022 12:07:43	0.0	0.0
226	10/18/2022 12:08:43	0.0	0.0
227	10/18/2022 12:09:43	0.0	0.0
228	10/18/2022 12:10:43	0.0	0.0
229	10/18/2022 12:11:43	0.0	0.0
230	10/18/2022 12:12:43	0.0	0.0
231	10/18/2022 12:13:43	0.0	0.0
232	10/18/2022 12:14:43	0.0	0.0
233	10/18/2022 12:15:43	0.0	0.0

Datalog

Current Event:22/10/18 13:14

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/18/2022 13:14:24
End	10/18/2022 14:49:42
Sample Period(s)	60
Number of Records	95

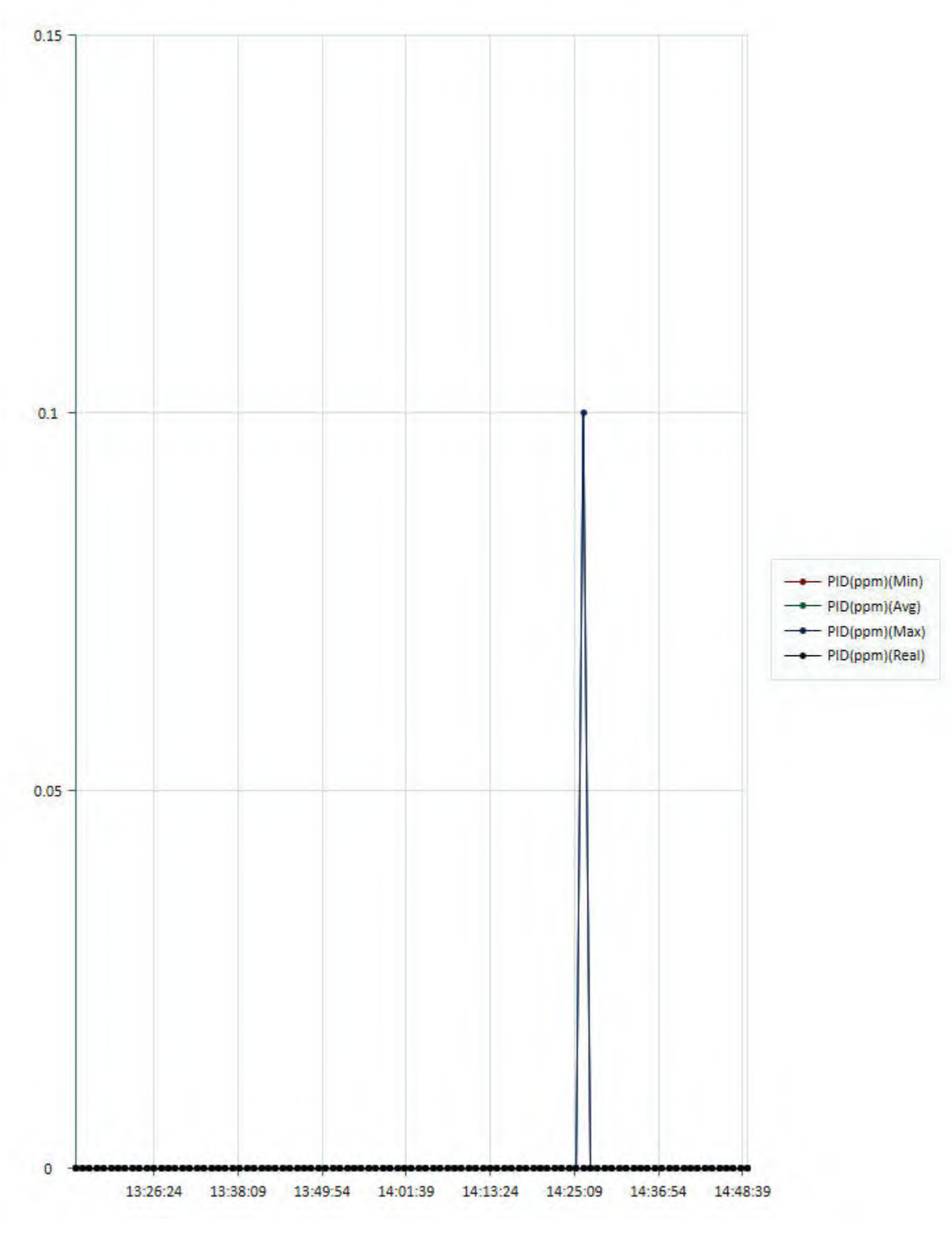
Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/18/2022 13:15:24	0.0	0.0	0.0	0.0
002	10/18/2022 13:16:24	0.0	0.0	0.0	0.0
003	10/18/2022 13:17:24	0.0	0.0	0.0	0.0
004	10/18/2022 13:18:24	0.0	0.0	0.0	0.0
005	10/18/2022 13:19:24	0.0	0.0	0.0	0.0
006	10/18/2022 13:20:24	0.0	0.0	0.0	0.0
007	10/18/2022 13:21:24	0.0	0.0	0.0	0.0
008	10/18/2022 13:22:24	0.0	0.0	0.0	0.0
009	10/18/2022 13:23:24	0.0	0.0	0.0	0.0
010	10/18/2022 13:24:24	0.0	0.0	0.0	0.0
011	10/18/2022 13:25:24	0.0	0.0	0.0	0.0
012	10/18/2022 13:26:24	0.0	0.0	0.0	0.0
013	10/18/2022 13:27:24	0.0	0.0	0.0	0.0
014	10/18/2022 13:28:24	0.0	0.0	0.0	0.0
015	10/18/2022 13:29:24	0.0	0.0	0.0	0.0
016	10/18/2022 13:30:24	0.0	0.0	0.0	0.0
017	10/18/2022 13:31:24	0.0	0.0	0.0	0.0
018	10/18/2022 13:32:24	0.0	0.0	0.0	0.0
019	10/18/2022 13:33:24	0.0	0.0	0.0	0.0
020	10/18/2022 13:34:24	0.0	0.0	0.0	0.0
021	10/18/2022 13:35:24	0.0	0.0	0.0	0.0
022	10/18/2022 13:36:24	0.0	0.0	0.0	0.0
023	10/18/2022 13:37:24	0.0	0.0	0.0	0.0
024	10/18/2022 13:38:24	0.0	0.0	0.0	0.0
025	10/18/2022 13:39:24	0.0	0.0	0.0	0.0
026	10/18/2022 13:40:24	0.0	0.0	0.0	0.0
027	10/18/2022 13:41:24	0.0	0.0	0.0	0.0
028	10/18/2022 13:42:24	0.0	0.0	0.0	0.0
029	10/18/2022 13:43:24	0.0	0.0	0.0	0.0
030	10/18/2022 13:44:24	0.0	0.0	0.0	0.0
031	10/18/2022 13:45:24	0.0	0.0	0.0	0.0
032	10/18/2022 13:46:24	0.0	0.0	0.0	0.0
033	10/18/2022 13:47:24	0.0	0.0	0.0	0.0
034	10/18/2022 13:48:24	0.0	0.0	0.0	0.0
035	10/18/2022 13:49:24	0.0	0.0	0.0	0.0
036	10/18/2022 13:50:24	0.0	0.0	0.0	0.0
037	10/18/2022 13:51:24	0.0	0.0	0.0	0.0
038	10/18/2022 13:52:24	0.0	0.0	0.0	0.0
039	10/18/2022 13:53:24	0.0	0.0	0.0	0.0
040	10/18/2022 13:54:24	0.0	0.0	0.0	0.0
041	10/18/2022 13:55:24	0.0	0.0	0.0	0.0
042	10/18/2022 13:56:24	0.0	0.0	0.0	0.0
043	10/18/2022 13:57:24	0.0	0.0	0.0	0.0
044	10/18/2022 13:58:24	0.0	0.0	0.0	0.0
045	10/18/2022 13:59:24	0.0	0.0	0.0	0.0
046	10/18/2022 14:00:24	0.0	0.0	0.0	0.0
047	10/18/2022 14:01:24	0.0	0.0	0.0	0.0
048	10/18/2022 14:02:24	0.0	0.0	0.0	0.0
049	10/18/2022 14:03:24	0.0	0.0	0.0	0.0
050	10/18/2022 14:04:24	0.0	0.0	0.0	0.0
051	10/18/2022 14:05:24	0.0	0.0	0.0	0.0
052	10/18/2022 14:06:24	0.0	0.0	0.0	0.0
053	10/18/2022 14:07:24	0.0	0.0	0.0	0.0
054	10/18/2022 14:08:24	0.0	0.0	0.0	0.0
055	10/18/2022 14:09:24	0.0	0.0	0.0	0.0
056	10/18/2022 14:10:24	0.0	0.0	0.0	0.0
057	10/18/2022 14:11:24	0.0	0.0	0.0	0.0
058	10/18/2022 14:12:24	0.0	0.0	0.0	0.0
059	10/18/2022 14:13:24	0.0	0.0	0.0	0.0
060	10/18/2022 14:14:24	0.0	0.0	0.0	0.0
061	10/18/2022 14:15:24	0.0	0.0	0.0	0.0

062	10/18/2022 14:16:24	0.0	0.0	0.0	0.0
063	10/18/2022 14:17:24	0.0	0.0	0.0	0.0
064	10/18/2022 14:18:24	0.0	0.0	0.0	0.0
065	10/18/2022 14:19:24	0.0	0.0	0.0	0.0
066	10/18/2022 14:20:24	0.0	0.0	0.0	0.0
067	10/18/2022 14:21:24	0.0	0.0	0.0	0.0
068	10/18/2022 14:22:24	0.0	0.0	0.0	0.0
069	10/18/2022 14:23:24	0.0	0.0	0.0	0.0
070	10/18/2022 14:24:24	0.0	0.0	0.0	0.0
071	10/18/2022 14:25:24	0.0	0.0	0.0	0.0
072	10/18/2022 14:26:24	0.0	0.0	0.1	0.0
073	10/18/2022 14:27:24	0.0	0.0	0.0	0.0
074	10/18/2022 14:28:24	0.0	0.0	0.0	0.0
075	10/18/2022 14:29:24	0.0	0.0	0.0	0.0
076	10/18/2022 14:30:24	0.0	0.0	0.0	0.0
077	10/18/2022 14:31:24	0.0	0.0	0.0	0.0
078	10/18/2022 14:32:24	0.0	0.0	0.0	0.0
079	10/18/2022 14:33:24	0.0	0.0	0.0	0.0
080	10/18/2022 14:34:24	0.0	0.0	0.0	0.0
081	10/18/2022 14:35:24	0.0	0.0	0.0	0.0
082	10/18/2022 14:36:24	0.0	0.0	0.0	0.0
083	10/18/2022 14:37:24	0.0	0.0	0.0	0.0
084	10/18/2022 14:38:24	0.0	0.0	0.0	0.0
085	10/18/2022 14:39:24	0.0	0.0	0.0	0.0
086	10/18/2022 14:40:24	0.0	0.0	0.0	0.0
087	10/18/2022 14:41:24	0.0	0.0	0.0	0.0
088	10/18/2022 14:42:24	0.0	0.0	0.0	0.0
089	10/18/2022 14:43:24	0.0	0.0	0.0	0.0
090	10/18/2022 14:44:24	0.0	0.0	0.0	0.0
091	10/18/2022 14:45:24	0.0	0.0	0.0	0.0
092	10/18/2022 14:46:24	0.0	0.0	0.0	0.0
093	10/18/2022 14:47:24	0.0	0.0	0.0	0.0
094	10/18/2022 14:48:24	0.0	0.0	0.0	0.0
095	10/18/2022 14:49:24	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.1	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/18/2022 13:15:24	0.0	---
002	10/18/2022 13:16:24	0.0	---
003	10/18/2022 13:17:24	0.0	---
004	10/18/2022 13:18:24	0.0	---
005	10/18/2022 13:19:24	0.0	---
006	10/18/2022 13:20:24	0.0	---
007	10/18/2022 13:21:24	0.0	---
008	10/18/2022 13:22:24	0.0	---
009	10/18/2022 13:23:24	0.0	---
010	10/18/2022 13:24:24	0.0	---
011	10/18/2022 13:25:24	0.0	---
012	10/18/2022 13:26:24	0.0	---
013	10/18/2022 13:27:24	0.0	---
014	10/18/2022 13:28:24	0.0	---
015	10/18/2022 13:29:24	0.0	0.0
016	10/18/2022 13:30:24	0.0	0.0
017	10/18/2022 13:31:24	0.0	0.0
018	10/18/2022 13:32:24	0.0	0.0
019	10/18/2022 13:33:24	0.0	0.0
020	10/18/2022 13:34:24	0.0	0.0
021	10/18/2022 13:35:24	0.0	0.0
022	10/18/2022 13:36:24	0.0	0.0
023	10/18/2022 13:37:24	0.0	0.0
024	10/18/2022 13:38:24	0.0	0.0
025	10/18/2022 13:39:24	0.0	0.0
026	10/18/2022 13:40:24	0.0	0.0
027	10/18/2022 13:41:24	0.0	0.0
028	10/18/2022 13:42:24	0.0	0.0
029	10/18/2022 13:43:24	0.0	0.0
030	10/18/2022 13:44:24	0.0	0.0
031	10/18/2022 13:45:24	0.0	0.0
032	10/18/2022 13:46:24	0.0	0.0
033	10/18/2022 13:47:24	0.0	0.0
034	10/18/2022 13:48:24	0.0	0.0
035	10/18/2022 13:49:24	0.0	0.0
036	10/18/2022 13:50:24	0.0	0.0
037	10/18/2022 13:51:24	0.0	0.0
038	10/18/2022 13:52:24	0.0	0.0
039	10/18/2022 13:53:24	0.0	0.0
040	10/18/2022 13:54:24	0.0	0.0
041	10/18/2022 13:55:24	0.0	0.0
042	10/18/2022 13:56:24	0.0	0.0
043	10/18/2022 13:57:24	0.0	0.0
044	10/18/2022 13:58:24	0.0	0.0
045	10/18/2022 13:59:24	0.0	0.0
046	10/18/2022 14:00:24	0.0	0.0
047	10/18/2022 14:01:24	0.0	0.0
048	10/18/2022 14:02:24	0.0	0.0
049	10/18/2022 14:03:24	0.0	0.0
050	10/18/2022 14:04:24	0.0	0.0
051	10/18/2022 14:05:24	0.0	0.0
052	10/18/2022 14:06:24	0.0	0.0
053	10/18/2022 14:07:24	0.0	0.0
054	10/18/2022 14:08:24	0.0	0.0
055	10/18/2022 14:09:24	0.0	0.0
056	10/18/2022 14:10:24	0.0	0.0
057	10/18/2022 14:11:24	0.0	0.0
058	10/18/2022 14:12:24	0.0	0.0
059	10/18/2022 14:13:24	0.0	0.0
060	10/18/2022 14:14:24	0.0	0.0
061	10/18/2022 14:15:24	0.0	0.0

062	10/18/2022 14:16:24	0.0	0.0
063	10/18/2022 14:17:24	0.0	0.0
064	10/18/2022 14:18:24	0.0	0.0
065	10/18/2022 14:19:24	0.0	0.0
066	10/18/2022 14:20:24	0.0	0.0
067	10/18/2022 14:21:24	0.0	0.0
068	10/18/2022 14:22:24	0.0	0.0
069	10/18/2022 14:23:24	0.0	0.0
070	10/18/2022 14:24:24	0.0	0.0
071	10/18/2022 14:25:24	0.0	0.0
072	10/18/2022 14:26:24	0.0	0.0
073	10/18/2022 14:27:24	0.0	0.0
074	10/18/2022 14:28:24	0.0	0.0
075	10/18/2022 14:29:24	0.0	0.0
076	10/18/2022 14:30:24	0.0	0.0
077	10/18/2022 14:31:24	0.0	0.0
078	10/18/2022 14:32:24	0.0	0.0
079	10/18/2022 14:33:24	0.0	0.0
080	10/18/2022 14:34:24	0.0	0.0
081	10/18/2022 14:35:24	0.0	0.0
082	10/18/2022 14:36:24	0.0	0.0
083	10/18/2022 14:37:24	0.0	0.0
084	10/18/2022 14:38:24	0.0	0.0
085	10/18/2022 14:39:24	0.0	0.0
086	10/18/2022 14:40:24	0.0	0.0
087	10/18/2022 14:41:24	0.0	0.0
088	10/18/2022 14:42:24	0.0	0.0
089	10/18/2022 14:43:24	0.0	0.0
090	10/18/2022 14:44:24	0.0	0.0
091	10/18/2022 14:45:24	0.0	0.0
092	10/18/2022 14:46:24	0.0	0.0
093	10/18/2022 14:47:24	0.0	0.0
094	10/18/2022 14:48:24	0.0	0.0
095	10/18/2022 14:49:24	0.0	0.0

Datalog

Current Event:22/10/17 09:56

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927732
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/17/2022 09:56:24
End	10/17/2022 12:00:20
Sample Period(s)	60
Number of Records	123

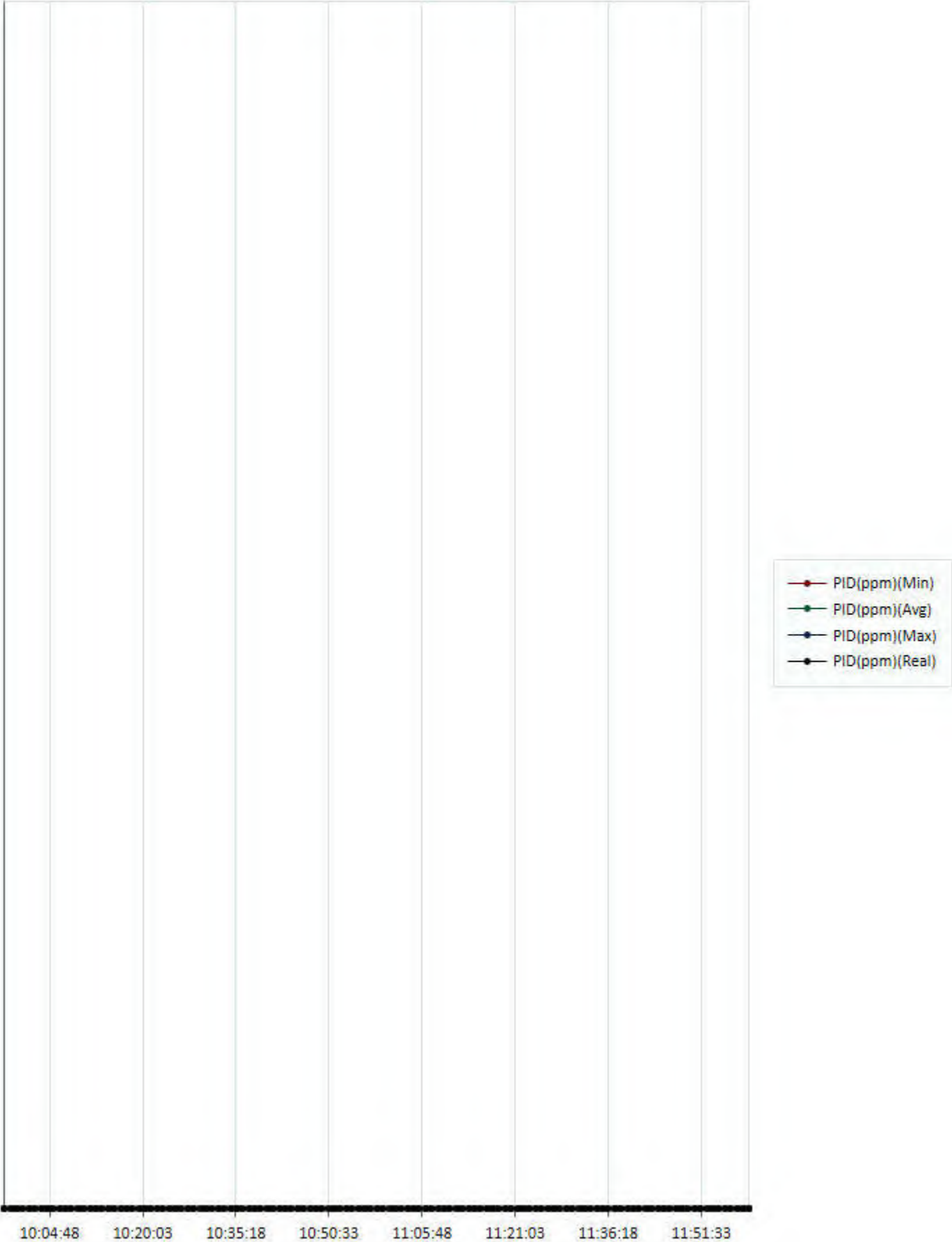
Sensor	PID(ppm)
Sensor SN	S023030308W4
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:02
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/17/2022 09:57:24	0.0	0.0	0.0	0.0
002	10/17/2022 09:58:24	0.0	0.0	0.0	0.0
003	10/17/2022 09:59:24	0.0	0.0	0.0	0.0
004	10/17/2022 10:00:24	0.0	0.0	0.0	0.0
005	10/17/2022 10:01:24	0.0	0.0	0.0	0.0
006	10/17/2022 10:02:24	0.0	0.0	0.0	0.0
007	10/17/2022 10:03:24	0.0	0.0	0.0	0.0
008	10/17/2022 10:04:24	0.0	0.0	0.0	0.0
009	10/17/2022 10:05:24	0.0	0.0	0.0	0.0
010	10/17/2022 10:06:24	0.0	0.0	0.0	0.0
011	10/17/2022 10:07:24	0.0	0.0	0.0	0.0
012	10/17/2022 10:08:24	0.0	0.0	0.0	0.0
013	10/17/2022 10:09:24	0.0	0.0	0.0	0.0
014	10/17/2022 10:10:24	0.0	0.0	0.0	0.0
015	10/17/2022 10:11:24	0.0	0.0	0.0	0.0
016	10/17/2022 10:12:24	0.0	0.0	0.0	0.0
017	10/17/2022 10:13:24	0.0	0.0	0.0	0.0
018	10/17/2022 10:14:24	0.0	0.0	0.0	0.0
019	10/17/2022 10:15:24	0.0	0.0	0.0	0.0
020	10/17/2022 10:16:24	0.0	0.0	0.0	0.0
021	10/17/2022 10:17:24	0.0	0.0	0.0	0.0
022	10/17/2022 10:18:24	0.0	0.0	0.0	0.0
023	10/17/2022 10:19:24	0.0	0.0	0.0	0.0
024	10/17/2022 10:20:24	0.0	0.0	0.0	0.0
025	10/17/2022 10:21:24	0.0	0.0	0.0	0.0
026	10/17/2022 10:22:24	0.0	0.0	0.0	0.0
027	10/17/2022 10:23:24	0.0	0.0	0.0	0.0
028	10/17/2022 10:24:24	0.0	0.0	0.0	0.0
029	10/17/2022 10:25:24	0.0	0.0	0.0	0.0
030	10/17/2022 10:26:24	0.0	0.0	0.0	0.0
031	10/17/2022 10:27:24	0.0	0.0	0.0	0.0
032	10/17/2022 10:28:24	0.0	0.0	0.0	0.0
033	10/17/2022 10:29:24	0.0	0.0	0.0	0.0
034	10/17/2022 10:30:24	0.0	0.0	0.0	0.0
035	10/17/2022 10:31:24	0.0	0.0	0.0	0.0
036	10/17/2022 10:32:24	0.0	0.0	0.0	0.0
037	10/17/2022 10:33:24	0.0	0.0	0.0	0.0
038	10/17/2022 10:34:24	0.0	0.0	0.0	0.0
039	10/17/2022 10:35:24	0.0	0.0	0.0	0.0
040	10/17/2022 10:36:24	0.0	0.0	0.0	0.0
041	10/17/2022 10:37:24	0.0	0.0	0.0	0.0
042	10/17/2022 10:38:24	0.0	0.0	0.0	0.0
043	10/17/2022 10:39:24	0.0	0.0	0.0	0.0
044	10/17/2022 10:40:24	0.0	0.0	0.0	0.0
045	10/17/2022 10:41:24	0.0	0.0	0.0	0.0
046	10/17/2022 10:42:24	0.0	0.0	0.0	0.0
047	10/17/2022 10:43:24	0.0	0.0	0.0	0.0
048	10/17/2022 10:44:24	0.0	0.0	0.0	0.0
049	10/17/2022 10:45:24	0.0	0.0	0.0	0.0
050	10/17/2022 10:46:24	0.0	0.0	0.0	0.0
051	10/17/2022 10:47:24	0.0	0.0	0.0	0.0
052	10/17/2022 10:48:24	0.0	0.0	0.0	0.0
053	10/17/2022 10:49:24	0.0	0.0	0.0	0.0
054	10/17/2022 10:50:24	0.0	0.0	0.0	0.0
055	10/17/2022 10:51:24	0.0	0.0	0.0	0.0
056	10/17/2022 10:52:24	0.0	0.0	0.0	0.0
057	10/17/2022 10:53:24	0.0	0.0	0.0	0.0
058	10/17/2022 10:54:24	0.0	0.0	0.0	0.0
059	10/17/2022 10:55:24	0.0	0.0	0.0	0.0
060	10/17/2022 10:56:24	0.0	0.0	0.0	0.0
061	10/17/2022 10:57:24	0.0	0.0	0.0	0.0

062	10/17/2022 10:58:24	0.0	0.0	0.0	0.0
063	10/17/2022 10:59:24	0.0	0.0	0.0	0.0
064	10/17/2022 11:00:24	0.0	0.0	0.0	0.0
065	10/17/2022 11:01:24	0.0	0.0	0.0	0.0
066	10/17/2022 11:02:24	0.0	0.0	0.0	0.0
067	10/17/2022 11:03:24	0.0	0.0	0.0	0.0
068	10/17/2022 11:04:24	0.0	0.0	0.0	0.0
069	10/17/2022 11:05:24	0.0	0.0	0.0	0.0
070	10/17/2022 11:06:24	0.0	0.0	0.0	0.0
071	10/17/2022 11:07:24	0.0	0.0	0.0	0.0
072	10/17/2022 11:08:24	0.0	0.0	0.0	0.0
073	10/17/2022 11:09:24	0.0	0.0	0.0	0.0
074	10/17/2022 11:10:24	0.0	0.0	0.0	0.0
075	10/17/2022 11:11:24	0.0	0.0	0.0	0.0
076	10/17/2022 11:12:24	0.0	0.0	0.0	0.0
077	10/17/2022 11:13:24	0.0	0.0	0.0	0.0
078	10/17/2022 11:14:24	0.0	0.0	0.0	0.0
079	10/17/2022 11:15:24	0.0	0.0	0.0	0.0
080	10/17/2022 11:16:24	0.0	0.0	0.0	0.0
081	10/17/2022 11:17:24	0.0	0.0	0.0	0.0
082	10/17/2022 11:18:24	0.0	0.0	0.0	0.0
083	10/17/2022 11:19:24	0.0	0.0	0.0	0.0
084	10/17/2022 11:20:24	0.0	0.0	0.0	0.0
085	10/17/2022 11:21:24	0.0	0.0	0.0	0.0
086	10/17/2022 11:22:24	0.0	0.0	0.0	0.0
087	10/17/2022 11:23:24	0.0	0.0	0.0	0.0
088	10/17/2022 11:24:24	0.0	0.0	0.0	0.0
089	10/17/2022 11:25:24	0.0	0.0	0.0	0.0
090	10/17/2022 11:26:24	0.0	0.0	0.0	0.0
091	10/17/2022 11:27:24	0.0	0.0	0.0	0.0
092	10/17/2022 11:28:24	0.0	0.0	0.0	0.0
093	10/17/2022 11:29:24	0.0	0.0	0.0	0.0
094	10/17/2022 11:30:24	0.0	0.0	0.0	0.0
095	10/17/2022 11:31:24	0.0	0.0	0.0	0.0
096	10/17/2022 11:32:24	0.0	0.0	0.0	0.0
097	10/17/2022 11:33:24	0.0	0.0	0.0	0.0
098	10/17/2022 11:34:24	0.0	0.0	0.0	0.0
099	10/17/2022 11:35:24	0.0	0.0	0.0	0.0
100	10/17/2022 11:36:24	0.0	0.0	0.0	0.0
101	10/17/2022 11:37:24	0.0	0.0	0.0	0.0
102	10/17/2022 11:38:24	0.0	0.0	0.0	0.0
103	10/17/2022 11:39:24	0.0	0.0	0.0	0.0
104	10/17/2022 11:40:24	0.0	0.0	0.0	0.0
105	10/17/2022 11:41:24	0.0	0.0	0.0	0.0
106	10/17/2022 11:42:24	0.0	0.0	0.0	0.0
107	10/17/2022 11:43:24	0.0	0.0	0.0	0.0
108	10/17/2022 11:44:24	0.0	0.0	0.0	0.0
109	10/17/2022 11:45:24	0.0	0.0	0.0	0.0
110	10/17/2022 11:46:24	0.0	0.0	0.0	0.0
111	10/17/2022 11:47:24	0.0	0.0	0.0	0.0
112	10/17/2022 11:48:24	0.0	0.0	0.0	0.0
113	10/17/2022 11:49:24	0.0	0.0	0.0	0.0
114	10/17/2022 11:50:24	0.0	0.0	0.0	0.0
115	10/17/2022 11:51:24	0.0	0.0	0.0	0.0
116	10/17/2022 11:52:24	0.0	0.0	0.0	0.0
117	10/17/2022 11:53:24	0.0	0.0	0.0	0.0
118	10/17/2022 11:54:24	0.0	0.0	0.0	0.0
119	10/17/2022 11:55:24	0.0	0.0	0.0	0.0
120	10/17/2022 11:56:24	0.0	0.0	0.0	0.0
121	10/17/2022 11:57:24	0.0	0.0	0.0	0.0
122	10/17/2022 11:58:24	0.0	0.0	0.0	0.0
123	10/17/2022 11:59:24	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/17/2022 09:57:24	0.0	---
002	10/17/2022 09:58:24	0.0	---
003	10/17/2022 09:59:24	0.0	---
004	10/17/2022 10:00:24	0.0	---
005	10/17/2022 10:01:24	0.0	---
006	10/17/2022 10:02:24	0.0	---
007	10/17/2022 10:03:24	0.0	---
008	10/17/2022 10:04:24	0.0	---
009	10/17/2022 10:05:24	0.0	---
010	10/17/2022 10:06:24	0.0	---
011	10/17/2022 10:07:24	0.0	---
012	10/17/2022 10:08:24	0.0	---
013	10/17/2022 10:09:24	0.0	---
014	10/17/2022 10:10:24	0.0	---
015	10/17/2022 10:11:24	0.0	0.0
016	10/17/2022 10:12:24	0.0	0.0
017	10/17/2022 10:13:24	0.0	0.0
018	10/17/2022 10:14:24	0.0	0.0
019	10/17/2022 10:15:24	0.0	0.0
020	10/17/2022 10:16:24	0.0	0.0
021	10/17/2022 10:17:24	0.0	0.0
022	10/17/2022 10:18:24	0.0	0.0
023	10/17/2022 10:19:24	0.0	0.0
024	10/17/2022 10:20:24	0.0	0.0
025	10/17/2022 10:21:24	0.0	0.0
026	10/17/2022 10:22:24	0.0	0.0
027	10/17/2022 10:23:24	0.0	0.0
028	10/17/2022 10:24:24	0.0	0.0
029	10/17/2022 10:25:24	0.0	0.0
030	10/17/2022 10:26:24	0.0	0.0
031	10/17/2022 10:27:24	0.0	0.0
032	10/17/2022 10:28:24	0.0	0.0
033	10/17/2022 10:29:24	0.0	0.0
034	10/17/2022 10:30:24	0.0	0.0
035	10/17/2022 10:31:24	0.0	0.0
036	10/17/2022 10:32:24	0.0	0.0
037	10/17/2022 10:33:24	0.0	0.0
038	10/17/2022 10:34:24	0.0	0.0
039	10/17/2022 10:35:24	0.0	0.0
040	10/17/2022 10:36:24	0.0	0.0
041	10/17/2022 10:37:24	0.0	0.0
042	10/17/2022 10:38:24	0.0	0.0
043	10/17/2022 10:39:24	0.0	0.0
044	10/17/2022 10:40:24	0.0	0.0
045	10/17/2022 10:41:24	0.0	0.0
046	10/17/2022 10:42:24	0.0	0.0
047	10/17/2022 10:43:24	0.0	0.0
048	10/17/2022 10:44:24	0.0	0.0
049	10/17/2022 10:45:24	0.0	0.0
050	10/17/2022 10:46:24	0.0	0.0
051	10/17/2022 10:47:24	0.0	0.0
052	10/17/2022 10:48:24	0.0	0.0
053	10/17/2022 10:49:24	0.0	0.0
054	10/17/2022 10:50:24	0.0	0.0
055	10/17/2022 10:51:24	0.0	0.0
056	10/17/2022 10:52:24	0.0	0.0
057	10/17/2022 10:53:24	0.0	0.0
058	10/17/2022 10:54:24	0.0	0.0
059	10/17/2022 10:55:24	0.0	0.0
060	10/17/2022 10:56:24	0.0	0.0
061	10/17/2022 10:57:24	0.0	0.0

062	10/17/2022 10:58:24	0.0	0.0
063	10/17/2022 10:59:24	0.0	0.0
064	10/17/2022 11:00:24	0.0	0.0
065	10/17/2022 11:01:24	0.0	0.0
066	10/17/2022 11:02:24	0.0	0.0
067	10/17/2022 11:03:24	0.0	0.0
068	10/17/2022 11:04:24	0.0	0.0
069	10/17/2022 11:05:24	0.0	0.0
070	10/17/2022 11:06:24	0.0	0.0
071	10/17/2022 11:07:24	0.0	0.0
072	10/17/2022 11:08:24	0.0	0.0
073	10/17/2022 11:09:24	0.0	0.0
074	10/17/2022 11:10:24	0.0	0.0
075	10/17/2022 11:11:24	0.0	0.0
076	10/17/2022 11:12:24	0.0	0.0
077	10/17/2022 11:13:24	0.0	0.0
078	10/17/2022 11:14:24	0.0	0.0
079	10/17/2022 11:15:24	0.0	0.0
080	10/17/2022 11:16:24	0.0	0.0
081	10/17/2022 11:17:24	0.0	0.0
082	10/17/2022 11:18:24	0.0	0.0
083	10/17/2022 11:19:24	0.0	0.0
084	10/17/2022 11:20:24	0.0	0.0
085	10/17/2022 11:21:24	0.0	0.0
086	10/17/2022 11:22:24	0.0	0.0
087	10/17/2022 11:23:24	0.0	0.0
088	10/17/2022 11:24:24	0.0	0.0
089	10/17/2022 11:25:24	0.0	0.0
090	10/17/2022 11:26:24	0.0	0.0
091	10/17/2022 11:27:24	0.0	0.0
092	10/17/2022 11:28:24	0.0	0.0
093	10/17/2022 11:29:24	0.0	0.0
094	10/17/2022 11:30:24	0.0	0.0
095	10/17/2022 11:31:24	0.0	0.0
096	10/17/2022 11:32:24	0.0	0.0
097	10/17/2022 11:33:24	0.0	0.0
098	10/17/2022 11:34:24	0.0	0.0
099	10/17/2022 11:35:24	0.0	0.0
100	10/17/2022 11:36:24	0.0	0.0
101	10/17/2022 11:37:24	0.0	0.0
102	10/17/2022 11:38:24	0.0	0.0
103	10/17/2022 11:39:24	0.0	0.0
104	10/17/2022 11:40:24	0.0	0.0
105	10/17/2022 11:41:24	0.0	0.0
106	10/17/2022 11:42:24	0.0	0.0
107	10/17/2022 11:43:24	0.0	0.0
108	10/17/2022 11:44:24	0.0	0.0
109	10/17/2022 11:45:24	0.0	0.0
110	10/17/2022 11:46:24	0.0	0.0
111	10/17/2022 11:47:24	0.0	0.0
112	10/17/2022 11:48:24	0.0	0.0
113	10/17/2022 11:49:24	0.0	0.0
114	10/17/2022 11:50:24	0.0	0.0
115	10/17/2022 11:51:24	0.0	0.0
116	10/17/2022 11:52:24	0.0	0.0
117	10/17/2022 11:53:24	0.0	0.0
118	10/17/2022 11:54:24	0.0	0.0
119	10/17/2022 11:55:24	0.0	0.0
120	10/17/2022 11:56:24	0.0	0.0
121	10/17/2022 11:57:24	0.0	0.0
122	10/17/2022 11:58:24	0.0	0.0
123	10/17/2022 11:59:24	0.0	0.0

Datalog

Current Event:22/10/17 13:22

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927732
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/17/2022 13:22:09
End	10/17/2022 14:34:05
Sample Period(s)	60
Number of Records	71

Sensor	PID(ppm)
Sensor SN	S023030308W4
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:02
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/17/2022 13:23:09	0.0	0.0	0.0	0.0
002	10/17/2022 13:24:09	0.0	0.0	0.0	0.0
003	10/17/2022 13:25:09	0.0	0.0	0.0	0.0
004	10/17/2022 13:26:09	0.0	0.0	0.0	0.0
005	10/17/2022 13:27:09	0.0	0.0	0.0	0.0
006	10/17/2022 13:28:09	0.0	0.0	0.0	0.0
007	10/17/2022 13:29:09	0.0	0.0	0.0	0.0
008	10/17/2022 13:30:09	0.0	0.0	0.0	0.0
009	10/17/2022 13:31:09	0.0	0.0	0.0	0.0
010	10/17/2022 13:32:09	0.0	0.0	0.0	0.0
011	10/17/2022 13:33:09	0.0	0.0	0.0	0.0
012	10/17/2022 13:34:09	0.0	0.0	0.0	0.0
013	10/17/2022 13:35:09	0.0	0.0	0.0	0.0
014	10/17/2022 13:36:09	0.0	0.0	0.0	0.0
015	10/17/2022 13:37:09	0.0	0.0	0.0	0.0
016	10/17/2022 13:38:09	0.0	0.0	0.0	0.0
017	10/17/2022 13:39:09	0.0	0.0	0.0	0.0
018	10/17/2022 13:40:09	0.0	0.0	0.0	0.0
019	10/17/2022 13:41:09	0.0	0.0	0.0	0.0
020	10/17/2022 13:42:09	0.0	0.0	0.0	0.0
021	10/17/2022 13:43:09	0.0	0.0	0.0	0.0
022	10/17/2022 13:44:09	0.0	0.0	0.0	0.0
023	10/17/2022 13:45:09	0.0	0.0	0.0	0.0
024	10/17/2022 13:46:09	0.0	0.0	0.0	0.0
025	10/17/2022 13:47:09	0.0	0.0	0.0	0.0
026	10/17/2022 13:48:09	0.0	0.0	0.0	0.0
027	10/17/2022 13:49:09	0.0	0.0	0.0	0.0
028	10/17/2022 13:50:09	0.0	0.0	0.0	0.0
029	10/17/2022 13:51:09	0.0	0.0	0.0	0.0
030	10/17/2022 13:52:09	0.0	0.0	0.0	0.0
031	10/17/2022 13:53:09	0.0	0.0	0.0	0.0
032	10/17/2022 13:54:09	0.0	0.0	0.0	0.0
033	10/17/2022 13:55:09	0.0	0.0	0.0	0.0
034	10/17/2022 13:56:09	0.0	0.0	0.0	0.0
035	10/17/2022 13:57:09	0.0	0.0	0.0	0.0
036	10/17/2022 13:58:09	0.0	0.0	0.0	0.0
037	10/17/2022 13:59:09	0.0	0.0	0.0	0.0
038	10/17/2022 14:00:09	0.0	0.0	0.0	0.0
039	10/17/2022 14:01:09	0.0	0.0	0.0	0.0
040	10/17/2022 14:02:09	0.0	0.0	0.0	0.0
041	10/17/2022 14:03:09	0.0	0.0	0.0	0.0
042	10/17/2022 14:04:09	0.0	0.0	0.0	0.0
043	10/17/2022 14:05:09	0.0	0.0	0.0	0.0
044	10/17/2022 14:06:09	0.0	0.0	0.0	0.0
045	10/17/2022 14:07:09	0.0	0.0	0.0	0.0
046	10/17/2022 14:08:09	0.0	0.0	0.0	0.0
047	10/17/2022 14:09:09	0.0	0.0	0.0	0.0
048	10/17/2022 14:10:09	0.0	0.0	0.0	0.0
049	10/17/2022 14:11:09	0.0	0.0	0.0	0.0
050	10/17/2022 14:12:09	0.0	0.0	0.0	0.0
051	10/17/2022 14:13:09	0.0	0.0	0.0	0.0
052	10/17/2022 14:14:09	0.0	0.0	0.0	0.0
053	10/17/2022 14:15:09	0.0	0.0	0.0	0.0
054	10/17/2022 14:16:09	0.0	0.0	0.0	0.0
055	10/17/2022 14:17:09	0.0	0.0	0.0	0.0
056	10/17/2022 14:18:09	0.0	0.0	0.0	0.0
057	10/17/2022 14:19:09	0.0	0.0	0.0	0.0
058	10/17/2022 14:20:09	0.0	0.0	0.0	0.0
059	10/17/2022 14:21:09	0.0	0.0	0.0	0.0
060	10/17/2022 14:22:09	0.0	0.0	0.0	0.0
061	10/17/2022 14:23:09	0.0	0.0	0.0	0.0

062	10/17/2022 14:24:09	0.0	0.0	0.0	0.0
063	10/17/2022 14:25:09	0.0	0.0	0.0	0.0
064	10/17/2022 14:26:09	0.0	0.0	0.0	0.0
065	10/17/2022 14:27:09	0.0	0.0	0.0	0.0
066	10/17/2022 14:28:09	0.0	0.0	0.0	0.0
067	10/17/2022 14:29:09	0.0	0.0	0.0	0.0
068	10/17/2022 14:30:09	0.0	0.0	0.0	0.0
069	10/17/2022 14:31:09	0.0	0.0	0.0	0.0
070	10/17/2022 14:32:09	0.0	0.0	0.0	0.0
071	10/17/2022 14:33:09	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/17/2022 13:23:09	0.0	---
002	10/17/2022 13:24:09	0.0	---
003	10/17/2022 13:25:09	0.0	---
004	10/17/2022 13:26:09	0.0	---
005	10/17/2022 13:27:09	0.0	---
006	10/17/2022 13:28:09	0.0	---
007	10/17/2022 13:29:09	0.0	---
008	10/17/2022 13:30:09	0.0	---
009	10/17/2022 13:31:09	0.0	---
010	10/17/2022 13:32:09	0.0	---
011	10/17/2022 13:33:09	0.0	---
012	10/17/2022 13:34:09	0.0	---
013	10/17/2022 13:35:09	0.0	---
014	10/17/2022 13:36:09	0.0	---
015	10/17/2022 13:37:09	0.0	0.0
016	10/17/2022 13:38:09	0.0	0.0
017	10/17/2022 13:39:09	0.0	0.0
018	10/17/2022 13:40:09	0.0	0.0
019	10/17/2022 13:41:09	0.0	0.0
020	10/17/2022 13:42:09	0.0	0.0
021	10/17/2022 13:43:09	0.0	0.0
022	10/17/2022 13:44:09	0.0	0.0
023	10/17/2022 13:45:09	0.0	0.0
024	10/17/2022 13:46:09	0.0	0.0
025	10/17/2022 13:47:09	0.0	0.0
026	10/17/2022 13:48:09	0.0	0.0
027	10/17/2022 13:49:09	0.0	0.0
028	10/17/2022 13:50:09	0.0	0.0
029	10/17/2022 13:51:09	0.0	0.0
030	10/17/2022 13:52:09	0.0	0.0
031	10/17/2022 13:53:09	0.0	0.0
032	10/17/2022 13:54:09	0.0	0.0
033	10/17/2022 13:55:09	0.0	0.0
034	10/17/2022 13:56:09	0.0	0.0
035	10/17/2022 13:57:09	0.0	0.0
036	10/17/2022 13:58:09	0.0	0.0
037	10/17/2022 13:59:09	0.0	0.0
038	10/17/2022 14:00:09	0.0	0.0
039	10/17/2022 14:01:09	0.0	0.0
040	10/17/2022 14:02:09	0.0	0.0
041	10/17/2022 14:03:09	0.0	0.0
042	10/17/2022 14:04:09	0.0	0.0
043	10/17/2022 14:05:09	0.0	0.0
044	10/17/2022 14:06:09	0.0	0.0
045	10/17/2022 14:07:09	0.0	0.0
046	10/17/2022 14:08:09	0.0	0.0
047	10/17/2022 14:09:09	0.0	0.0
048	10/17/2022 14:10:09	0.0	0.0
049	10/17/2022 14:11:09	0.0	0.0
050	10/17/2022 14:12:09	0.0	0.0
051	10/17/2022 14:13:09	0.0	0.0
052	10/17/2022 14:14:09	0.0	0.0
053	10/17/2022 14:15:09	0.0	0.0
054	10/17/2022 14:16:09	0.0	0.0
055	10/17/2022 14:17:09	0.0	0.0
056	10/17/2022 14:18:09	0.0	0.0
057	10/17/2022 14:19:09	0.0	0.0
058	10/17/2022 14:20:09	0.0	0.0
059	10/17/2022 14:21:09	0.0	0.0
060	10/17/2022 14:22:09	0.0	0.0
061	10/17/2022 14:23:09	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173314
Firmware Version	3.1
Calibration Date	8/23/2022
Test Name	MANUAL_001
Test Start Time	9:52:23 AM
Test Start Date	10/17/2022
Test Length [D:H:M]	0:02:00
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.014
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	24

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.025		
600	0.019		
900	0.021		
1200	0.019		
1500	0.023		
1800	0.016		
2100	0.014		
2400	0.016		
2700	0.017		
3000	0.019		
3300	0.022		
3600	0.025		
3900	0.018		
4200	0.019		
4500	0.021		
4800	0.015		
5100	0.015		
5400	0.015		
5700	0.018		
6000	0.018		
6300	0.017		
6600	0.017		
6900	0.014		
7200	0.017		

062	10/17/2022 14:24:09	0.0	0.0
063	10/17/2022 14:25:09	0.0	0.0
064	10/17/2022 14:26:09	0.0	0.0
065	10/17/2022 14:27:09	0.0	0.0
066	10/17/2022 14:28:09	0.0	0.0
067	10/17/2022 14:29:09	0.0	0.0
068	10/17/2022 14:30:09	0.0	0.0
069	10/17/2022 14:31:09	0.0	0.0
070	10/17/2022 14:32:09	0.0	0.0
071	10/17/2022 14:33:09	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171404
Firmware Version	3.1
Calibration Date	2/21/2022
Test Name	MANUAL_001
Test Start Time	9:51:35 AM
Test Start Date	10/17/2022
Test Length [D:H:M]	0:02:05
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.024
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0.006
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	25

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.036		
600	0.019		
900	0.019		
1200	0.022		
1500	0.021		
1800	0.021		
2100	0.019		
2400	0.019		
2700	0.022		
3000	0.045		
3300	0.028		
3600	0.023		
3900	0.03		
4200	0.033		
4500	0.032		
4800	0.022		
5100	0.025		
5400	0.019		
5700	0.023		
6000	0.021		
6300	0.019		
6600	0.032		
6900	0.021		
7200	0.02		
7500	0.019		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173314
Firmware Version	3.1
Calibration Date	8/23/2022
Test Name	MANUAL_002
Test Start Time	1:18:11 PM
Test Start Date	10/17/2022
Test Length [D:H:M]	0:01:10
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0.015
Mass Maximum [mg/m3]	0.02
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	14

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.018		
600	0.017		
900	0.016		
1200	0.016		
1500	0.016		
1800	0.015		
2100	0.017		
2400	0.018		
2700	0.018		
3000	0.02		
3300	0.017		
3600	0.02		
3900	0.017		
4200	0.015		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171404
Firmware Version	3.1
Calibration Date	2/21/2022
Test Name	MANUAL_002
Test Start Time	1:18:32 PM
Test Start Date	10/17/2022
Test Length [D:H:M]	0:01:05
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.025
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.043
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.043		
600	0.019		
900	0.021		
1200	0.02		
1500	0.026		
1800	0.027		
2100	0.023		
2400	0.022		
2700	0.022		
3000	0.023		
3300	0.026		
3600	0.023		
3900	0.024		

Community Air Monitoring Program Report

Datalog

Current Event:22/10/18 08:22

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/18/2022 08:22:43
End	10/18/2022 12:15:59
Sample Period(s)	60
Number of Records	233

Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

Sheet

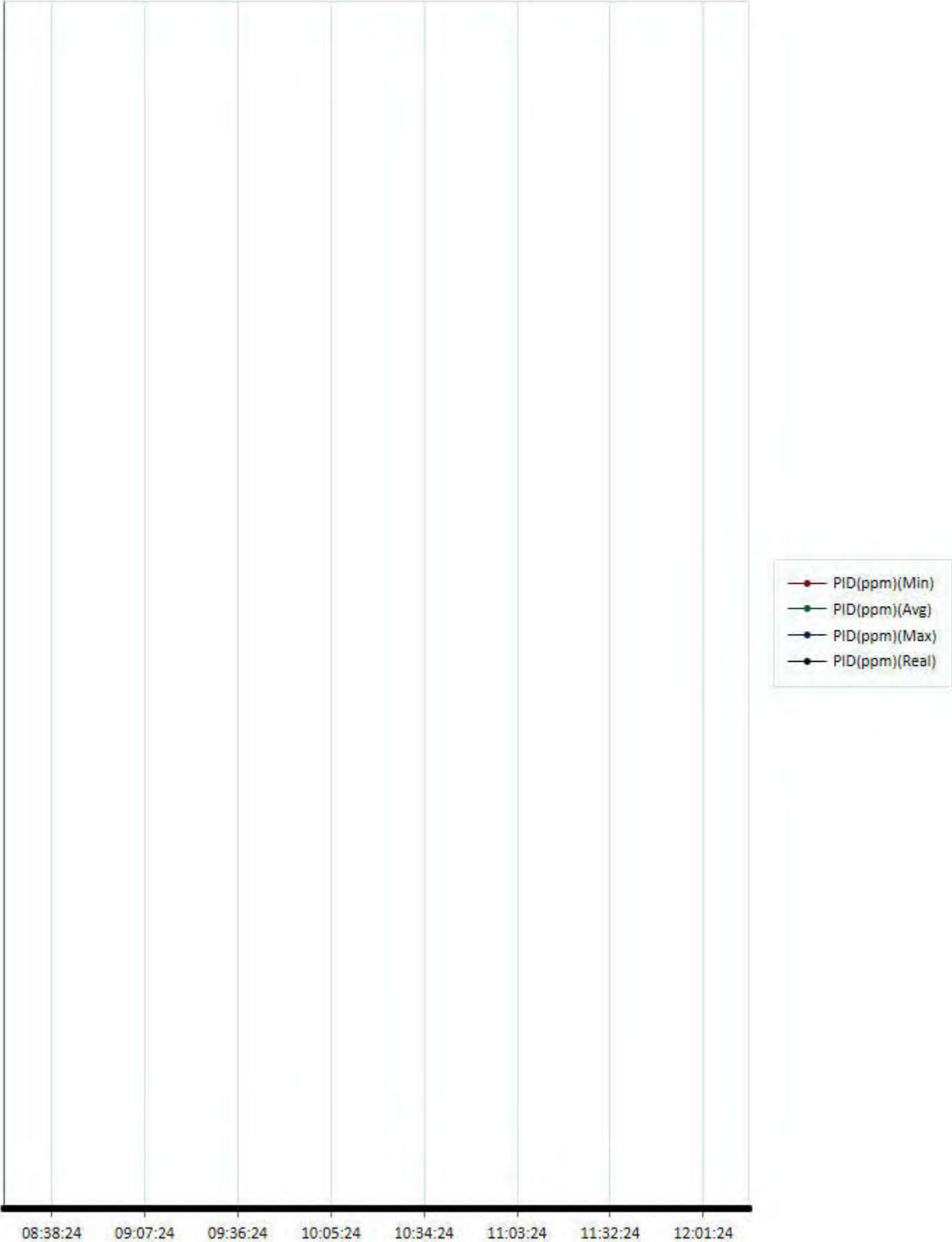
Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/18/2022 08:23:43	0.0	0.0	0.0	0.0
002	10/18/2022 08:24:43	0.0	0.0	0.0	0.0
003	10/18/2022 08:25:43	0.0	0.0	0.0	0.0
004	10/18/2022 08:26:43	0.0	0.0	0.0	0.0
005	10/18/2022 08:27:43	0.0	0.0	0.0	0.0
006	10/18/2022 08:28:43	0.0	0.0	0.0	0.0
007	10/18/2022 08:29:43	0.0	0.0	0.0	0.0
008	10/18/2022 08:30:43	0.0	0.0	0.0	0.0
009	10/18/2022 08:31:43	0.0	0.0	0.0	0.0
010	10/18/2022 08:32:43	0.0	0.0	0.0	0.0
011	10/18/2022 08:33:43	0.0	0.0	0.0	0.0
012	10/18/2022 08:34:43	0.0	0.0	0.0	0.0
013	10/18/2022 08:35:43	0.0	0.0	0.0	0.0
014	10/18/2022 08:36:43	0.0	0.0	0.0	0.0
015	10/18/2022 08:37:43	0.0	0.0	0.0	0.0
016	10/18/2022 08:38:43	0.0	0.0	0.0	0.0
017	10/18/2022 08:39:43	0.0	0.0	0.0	0.0
018	10/18/2022 08:40:43	0.0	0.0	0.0	0.0
019	10/18/2022 08:41:43	0.0	0.0	0.0	0.0
020	10/18/2022 08:42:43	0.0	0.0	0.0	0.0
021	10/18/2022 08:43:43	0.0	0.0	0.0	0.0
022	10/18/2022 08:44:43	0.0	0.0	0.0	0.0
023	10/18/2022 08:45:43	0.0	0.0	0.0	0.0
024	10/18/2022 08:46:43	0.0	0.0	0.0	0.0
025	10/18/2022 08:47:43	0.0	0.0	0.0	0.0
026	10/18/2022 08:48:43	0.0	0.0	0.0	0.0
027	10/18/2022 08:49:43	0.0	0.0	0.0	0.0
028	10/18/2022 08:50:43	0.0	0.0	0.0	0.0
029	10/18/2022 08:51:43	0.0	0.0	0.0	0.0
030	10/18/2022 08:52:43	0.0	0.0	0.0	0.0
031	10/18/2022 08:53:43	0.0	0.0	0.0	0.0
032	10/18/2022 08:54:43	0.0	0.0	0.0	0.0
033	10/18/2022 08:55:43	0.0	0.0	0.0	0.0
034	10/18/2022 08:56:43	0.0	0.0	0.0	0.0
035	10/18/2022 08:57:43	0.0	0.0	0.0	0.0
036	10/18/2022 08:58:43	0.0	0.0	0.0	0.0
037	10/18/2022 08:59:43	0.0	0.0	0.0	0.0
038	10/18/2022 09:00:43	0.0	0.0	0.0	0.0
039	10/18/2022 09:01:43	0.0	0.0	0.0	0.0
040	10/18/2022 09:02:43	0.0	0.0	0.0	0.0
041	10/18/2022 09:03:43	0.0	0.0	0.0	0.0
042	10/18/2022 09:04:43	0.0	0.0	0.0	0.0
043	10/18/2022 09:05:43	0.0	0.0	0.0	0.0
044	10/18/2022 09:06:43	0.0	0.0	0.0	0.0
045	10/18/2022 09:07:43	0.0	0.0	0.0	0.0
046	10/18/2022 09:08:43	0.0	0.0	0.0	0.0
047	10/18/2022 09:09:43	0.0	0.0	0.0	0.0
048	10/18/2022 09:10:43	0.0	0.0	0.0	0.0
049	10/18/2022 09:11:43	0.0	0.0	0.0	0.0
050	10/18/2022 09:12:43	0.0	0.0	0.0	0.0
051	10/18/2022 09:13:43	0.0	0.0	0.0	0.0
052	10/18/2022 09:14:43	0.0	0.0	0.0	0.0
053	10/18/2022 09:15:43	0.0	0.0	0.0	0.0
054	10/18/2022 09:16:43	0.0	0.0	0.0	0.0
055	10/18/2022 09:17:43	0.0	0.0	0.0	0.0
056	10/18/2022 09:18:43	0.0	0.0	0.0	0.0
057	10/18/2022 09:19:43	0.0	0.0	0.0	0.0
058	10/18/2022 09:20:43	0.0	0.0	0.0	0.0
059	10/18/2022 09:21:43	0.0	0.0	0.0	0.0
060	10/18/2022 09:22:43	0.0	0.0	0.0	0.0
061	10/18/2022 09:23:43	0.0	0.0	0.0	0.0

062	10/18/2022 09:24:43	0.0	0.0	0.0	0.0
063	10/18/2022 09:25:43	0.0	0.0	0.0	0.0
064	10/18/2022 09:26:43	0.0	0.0	0.0	0.0
065	10/18/2022 09:27:43	0.0	0.0	0.0	0.0
066	10/18/2022 09:28:43	0.0	0.0	0.0	0.0
067	10/18/2022 09:29:43	0.0	0.0	0.0	0.0
068	10/18/2022 09:30:43	0.0	0.0	0.0	0.0
069	10/18/2022 09:31:43	0.0	0.0	0.0	0.0
070	10/18/2022 09:32:43	0.0	0.0	0.0	0.0
071	10/18/2022 09:33:43	0.0	0.0	0.0	0.0
072	10/18/2022 09:34:43	0.0	0.0	0.0	0.0
073	10/18/2022 09:35:43	0.0	0.0	0.0	0.0
074	10/18/2022 09:36:43	0.0	0.0	0.0	0.0
075	10/18/2022 09:37:43	0.0	0.0	0.0	0.0
076	10/18/2022 09:38:43	0.0	0.0	0.0	0.0
077	10/18/2022 09:39:43	0.0	0.0	0.0	0.0
078	10/18/2022 09:40:43	0.0	0.0	0.0	0.0
079	10/18/2022 09:41:43	0.0	0.0	0.0	0.0
080	10/18/2022 09:42:43	0.0	0.0	0.0	0.0
081	10/18/2022 09:43:43	0.0	0.0	0.0	0.0
082	10/18/2022 09:44:43	0.0	0.0	0.0	0.0
083	10/18/2022 09:45:43	0.0	0.0	0.0	0.0
084	10/18/2022 09:46:43	0.0	0.0	0.0	0.0
085	10/18/2022 09:47:43	0.0	0.0	0.0	0.0
086	10/18/2022 09:48:43	0.0	0.0	0.0	0.0
087	10/18/2022 09:49:43	0.0	0.0	0.0	0.0
088	10/18/2022 09:50:43	0.0	0.0	0.0	0.0
089	10/18/2022 09:51:43	0.0	0.0	0.0	0.0
090	10/18/2022 09:52:43	0.0	0.0	0.0	0.0
091	10/18/2022 09:53:43	0.0	0.0	0.0	0.0
092	10/18/2022 09:54:43	0.0	0.0	0.0	0.0
093	10/18/2022 09:55:43	0.0	0.0	0.0	0.0
094	10/18/2022 09:56:43	0.0	0.0	0.0	0.0
095	10/18/2022 09:57:43	0.0	0.0	0.0	0.0
096	10/18/2022 09:58:43	0.0	0.0	0.0	0.0
097	10/18/2022 09:59:43	0.0	0.0	0.0	0.0
098	10/18/2022 10:00:43	0.0	0.0	0.0	0.0
099	10/18/2022 10:01:43	0.0	0.0	0.0	0.0
100	10/18/2022 10:02:43	0.0	0.0	0.0	0.0
101	10/18/2022 10:03:43	0.0	0.0	0.0	0.0
102	10/18/2022 10:04:43	0.0	0.0	0.0	0.0
103	10/18/2022 10:05:43	0.0	0.0	0.0	0.0
104	10/18/2022 10:06:43	0.0	0.0	0.0	0.0
105	10/18/2022 10:07:43	0.0	0.0	0.0	0.0
106	10/18/2022 10:08:43	0.0	0.0	0.0	0.0
107	10/18/2022 10:09:43	0.0	0.0	0.0	0.0
108	10/18/2022 10:10:43	0.0	0.0	0.0	0.0
109	10/18/2022 10:11:43	0.0	0.0	0.0	0.0
110	10/18/2022 10:12:43	0.0	0.0	0.0	0.0
111	10/18/2022 10:13:43	0.0	0.0	0.0	0.0
112	10/18/2022 10:14:43	0.0	0.0	0.0	0.0
113	10/18/2022 10:15:43	0.0	0.0	0.0	0.0
114	10/18/2022 10:16:43	0.0	0.0	0.0	0.0
115	10/18/2022 10:17:43	0.0	0.0	0.0	0.0
116	10/18/2022 10:18:43	0.0	0.0	0.0	0.0
117	10/18/2022 10:19:43	0.0	0.0	0.0	0.0
118	10/18/2022 10:20:43	0.0	0.0	0.0	0.0
119	10/18/2022 10:21:43	0.0	0.0	0.0	0.0
120	10/18/2022 10:22:43	0.0	0.0	0.0	0.0
121	10/18/2022 10:23:43	0.0	0.0	0.0	0.0
122	10/18/2022 10:24:43	0.0	0.0	0.0	0.0
123	10/18/2022 10:25:43	0.0	0.0	0.0	0.0
124	10/18/2022 10:26:43	0.0	0.0	0.0	0.0
125	10/18/2022 10:27:43	0.0	0.0	0.0	0.0
126	10/18/2022 10:28:43	0.0	0.0	0.0	0.0

127	10/18/2022 10:29:43	0.0	0.0	0.0	0.0
128	10/18/2022 10:30:43	0.0	0.0	0.0	0.0
129	10/18/2022 10:31:43	0.0	0.0	0.0	0.0
130	10/18/2022 10:32:43	0.0	0.0	0.0	0.0
131	10/18/2022 10:33:43	0.0	0.0	0.0	0.0
132	10/18/2022 10:34:43	0.0	0.0	0.0	0.0
133	10/18/2022 10:35:43	0.0	0.0	0.0	0.0
134	10/18/2022 10:36:43	0.0	0.0	0.0	0.0
135	10/18/2022 10:37:43	0.0	0.0	0.0	0.0
136	10/18/2022 10:38:43	0.0	0.0	0.0	0.0
137	10/18/2022 10:39:43	0.0	0.0	0.0	0.0
138	10/18/2022 10:40:43	0.0	0.0	0.0	0.0
139	10/18/2022 10:41:43	0.0	0.0	0.0	0.0
140	10/18/2022 10:42:43	0.0	0.0	0.0	0.0
141	10/18/2022 10:43:43	0.0	0.0	0.0	0.0
142	10/18/2022 10:44:43	0.0	0.0	0.0	0.0
143	10/18/2022 10:45:43	0.0	0.0	0.0	0.0
144	10/18/2022 10:46:43	0.0	0.0	0.0	0.0
145	10/18/2022 10:47:43	0.0	0.0	0.0	0.0
146	10/18/2022 10:48:43	0.0	0.0	0.0	0.0
147	10/18/2022 10:49:43	0.0	0.0	0.0	0.0
148	10/18/2022 10:50:43	0.0	0.0	0.0	0.0
149	10/18/2022 10:51:43	0.0	0.0	0.0	0.0
150	10/18/2022 10:52:43	0.0	0.0	0.0	0.0
151	10/18/2022 10:53:43	0.0	0.0	0.0	0.0
152	10/18/2022 10:54:43	0.0	0.0	0.0	0.0
153	10/18/2022 10:55:43	0.0	0.0	0.0	0.0
154	10/18/2022 10:56:43	0.0	0.0	0.0	0.0
155	10/18/2022 10:57:43	0.0	0.0	0.0	0.0
156	10/18/2022 10:58:43	0.0	0.0	0.0	0.0
157	10/18/2022 10:59:43	0.0	0.0	0.0	0.0
158	10/18/2022 11:00:43	0.0	0.0	0.0	0.0
159	10/18/2022 11:01:43	0.0	0.0	0.0	0.0
160	10/18/2022 11:02:43	0.0	0.0	0.0	0.0
161	10/18/2022 11:03:43	0.0	0.0	0.0	0.0
162	10/18/2022 11:04:43	0.0	0.0	0.0	0.0
163	10/18/2022 11:05:43	0.0	0.0	0.0	0.0
164	10/18/2022 11:06:43	0.0	0.0	0.0	0.0
165	10/18/2022 11:07:43	0.0	0.0	0.0	0.0
166	10/18/2022 11:08:43	0.0	0.0	0.0	0.0
167	10/18/2022 11:09:43	0.0	0.0	0.0	0.0
168	10/18/2022 11:10:43	0.0	0.0	0.0	0.0
169	10/18/2022 11:11:43	0.0	0.0	0.0	0.0
170	10/18/2022 11:12:43	0.0	0.0	0.0	0.0
171	10/18/2022 11:13:43	0.0	0.0	0.0	0.0
172	10/18/2022 11:14:43	0.0	0.0	0.0	0.0
173	10/18/2022 11:15:43	0.0	0.0	0.0	0.0
174	10/18/2022 11:16:43	0.0	0.0	0.0	0.0
175	10/18/2022 11:17:43	0.0	0.0	0.0	0.0
176	10/18/2022 11:18:43	0.0	0.0	0.0	0.0
177	10/18/2022 11:19:43	0.0	0.0	0.0	0.0
178	10/18/2022 11:20:43	0.0	0.0	0.0	0.0
179	10/18/2022 11:21:43	0.0	0.0	0.0	0.0
180	10/18/2022 11:22:43	0.0	0.0	0.0	0.0
181	10/18/2022 11:23:43	0.0	0.0	0.0	0.0
182	10/18/2022 11:24:43	0.0	0.0	0.0	0.0
183	10/18/2022 11:25:43	0.0	0.0	0.0	0.0
184	10/18/2022 11:26:43	0.0	0.0	0.0	0.0
185	10/18/2022 11:27:43	0.0	0.0	0.0	0.0
186	10/18/2022 11:28:43	0.0	0.0	0.0	0.0
187	10/18/2022 11:29:43	0.0	0.0	0.0	0.0
188	10/18/2022 11:30:43	0.0	0.0	0.0	0.0
189	10/18/2022 11:31:43	0.0	0.0	0.0	0.0
190	10/18/2022 11:32:43	0.0	0.0	0.0	0.0
191	10/18/2022 11:33:43	0.0	0.0	0.0	0.0

192	10/18/2022 11:34:43	0.0	0.0	0.0	0.0
193	10/18/2022 11:35:43	0.0	0.0	0.0	0.0
194	10/18/2022 11:36:43	0.0	0.0	0.0	0.0
195	10/18/2022 11:37:43	0.0	0.0	0.0	0.0
196	10/18/2022 11:38:43	0.0	0.0	0.0	0.0
197	10/18/2022 11:39:43	0.0	0.0	0.0	0.0
198	10/18/2022 11:40:43	0.0	0.0	0.0	0.0
199	10/18/2022 11:41:43	0.0	0.0	0.0	0.0
200	10/18/2022 11:42:43	0.0	0.0	0.0	0.0
201	10/18/2022 11:43:43	0.0	0.0	0.0	0.0
202	10/18/2022 11:44:43	0.0	0.0	0.0	0.0
203	10/18/2022 11:45:43	0.0	0.0	0.0	0.0
204	10/18/2022 11:46:43	0.0	0.0	0.0	0.0
205	10/18/2022 11:47:43	0.0	0.0	0.0	0.0
206	10/18/2022 11:48:43	0.0	0.0	0.0	0.0
207	10/18/2022 11:49:43	0.0	0.0	0.0	0.0
208	10/18/2022 11:50:43	0.0	0.0	0.0	0.0
209	10/18/2022 11:51:43	0.0	0.0	0.0	0.0
210	10/18/2022 11:52:43	0.0	0.0	0.0	0.0
211	10/18/2022 11:53:43	0.0	0.0	0.0	0.0
212	10/18/2022 11:54:43	0.0	0.0	0.0	0.0
213	10/18/2022 11:55:43	0.0	0.0	0.0	0.0
214	10/18/2022 11:56:43	0.0	0.0	0.0	0.0
215	10/18/2022 11:57:43	0.0	0.0	0.0	0.0
216	10/18/2022 11:58:43	0.0	0.0	0.0	0.0
217	10/18/2022 11:59:43	0.0	0.0	0.0	0.0
218	10/18/2022 12:00:43	0.0	0.0	0.0	0.0
219	10/18/2022 12:01:43	0.0	0.0	0.0	0.0
220	10/18/2022 12:02:43	0.0	0.0	0.0	0.0
221	10/18/2022 12:03:43	0.0	0.0	0.0	0.0
222	10/18/2022 12:04:43	0.0	0.0	0.0	0.0
223	10/18/2022 12:05:43	0.0	0.0	0.0	0.0
224	10/18/2022 12:06:43	0.0	0.0	0.0	0.0
225	10/18/2022 12:07:43	0.0	0.0	0.0	0.0
226	10/18/2022 12:08:43	0.0	0.0	0.0	0.0
227	10/18/2022 12:09:43	0.0	0.0	0.0	0.0
228	10/18/2022 12:10:43	0.0	0.0	0.0	0.0
229	10/18/2022 12:11:43	0.0	0.0	0.0	0.0
230	10/18/2022 12:12:43	0.0	0.0	0.0	0.0
231	10/18/2022 12:13:43	0.0	0.0	0.0	0.0
232	10/18/2022 12:14:43	0.0	0.0	0.0	0.0
233	10/18/2022 12:15:43	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/18/2022 08:23:43	0.0	---
002	10/18/2022 08:24:43	0.0	---
003	10/18/2022 08:25:43	0.0	---
004	10/18/2022 08:26:43	0.0	---
005	10/18/2022 08:27:43	0.0	---
006	10/18/2022 08:28:43	0.0	---
007	10/18/2022 08:29:43	0.0	---
008	10/18/2022 08:30:43	0.0	---
009	10/18/2022 08:31:43	0.0	---
010	10/18/2022 08:32:43	0.0	---
011	10/18/2022 08:33:43	0.0	---
012	10/18/2022 08:34:43	0.0	---
013	10/18/2022 08:35:43	0.0	---
014	10/18/2022 08:36:43	0.0	---
015	10/18/2022 08:37:43	0.0	0.0
016	10/18/2022 08:38:43	0.0	0.0
017	10/18/2022 08:39:43	0.0	0.0
018	10/18/2022 08:40:43	0.0	0.0
019	10/18/2022 08:41:43	0.0	0.0
020	10/18/2022 08:42:43	0.0	0.0
021	10/18/2022 08:43:43	0.0	0.0
022	10/18/2022 08:44:43	0.0	0.0
023	10/18/2022 08:45:43	0.0	0.0
024	10/18/2022 08:46:43	0.0	0.0
025	10/18/2022 08:47:43	0.0	0.0
026	10/18/2022 08:48:43	0.0	0.0
027	10/18/2022 08:49:43	0.0	0.0
028	10/18/2022 08:50:43	0.0	0.0
029	10/18/2022 08:51:43	0.0	0.0
030	10/18/2022 08:52:43	0.0	0.0
031	10/18/2022 08:53:43	0.0	0.0
032	10/18/2022 08:54:43	0.0	0.0
033	10/18/2022 08:55:43	0.0	0.0
034	10/18/2022 08:56:43	0.0	0.0
035	10/18/2022 08:57:43	0.0	0.0
036	10/18/2022 08:58:43	0.0	0.0
037	10/18/2022 08:59:43	0.0	0.0
038	10/18/2022 09:00:43	0.0	0.0
039	10/18/2022 09:01:43	0.0	0.0
040	10/18/2022 09:02:43	0.0	0.0
041	10/18/2022 09:03:43	0.0	0.0
042	10/18/2022 09:04:43	0.0	0.0
043	10/18/2022 09:05:43	0.0	0.0
044	10/18/2022 09:06:43	0.0	0.0
045	10/18/2022 09:07:43	0.0	0.0
046	10/18/2022 09:08:43	0.0	0.0
047	10/18/2022 09:09:43	0.0	0.0
048	10/18/2022 09:10:43	0.0	0.0
049	10/18/2022 09:11:43	0.0	0.0
050	10/18/2022 09:12:43	0.0	0.0
051	10/18/2022 09:13:43	0.0	0.0
052	10/18/2022 09:14:43	0.0	0.0
053	10/18/2022 09:15:43	0.0	0.0
054	10/18/2022 09:16:43	0.0	0.0
055	10/18/2022 09:17:43	0.0	0.0
056	10/18/2022 09:18:43	0.0	0.0
057	10/18/2022 09:19:43	0.0	0.0
058	10/18/2022 09:20:43	0.0	0.0
059	10/18/2022 09:21:43	0.0	0.0
060	10/18/2022 09:22:43	0.0	0.0
061	10/18/2022 09:23:43	0.0	0.0

062	10/18/2022 09:24:43	0.0	0.0
063	10/18/2022 09:25:43	0.0	0.0
064	10/18/2022 09:26:43	0.0	0.0
065	10/18/2022 09:27:43	0.0	0.0
066	10/18/2022 09:28:43	0.0	0.0
067	10/18/2022 09:29:43	0.0	0.0
068	10/18/2022 09:30:43	0.0	0.0
069	10/18/2022 09:31:43	0.0	0.0
070	10/18/2022 09:32:43	0.0	0.0
071	10/18/2022 09:33:43	0.0	0.0
072	10/18/2022 09:34:43	0.0	0.0
073	10/18/2022 09:35:43	0.0	0.0
074	10/18/2022 09:36:43	0.0	0.0
075	10/18/2022 09:37:43	0.0	0.0
076	10/18/2022 09:38:43	0.0	0.0
077	10/18/2022 09:39:43	0.0	0.0
078	10/18/2022 09:40:43	0.0	0.0
079	10/18/2022 09:41:43	0.0	0.0
080	10/18/2022 09:42:43	0.0	0.0
081	10/18/2022 09:43:43	0.0	0.0
082	10/18/2022 09:44:43	0.0	0.0
083	10/18/2022 09:45:43	0.0	0.0
084	10/18/2022 09:46:43	0.0	0.0
085	10/18/2022 09:47:43	0.0	0.0
086	10/18/2022 09:48:43	0.0	0.0
087	10/18/2022 09:49:43	0.0	0.0
088	10/18/2022 09:50:43	0.0	0.0
089	10/18/2022 09:51:43	0.0	0.0
090	10/18/2022 09:52:43	0.0	0.0
091	10/18/2022 09:53:43	0.0	0.0
092	10/18/2022 09:54:43	0.0	0.0
093	10/18/2022 09:55:43	0.0	0.0
094	10/18/2022 09:56:43	0.0	0.0
095	10/18/2022 09:57:43	0.0	0.0
096	10/18/2022 09:58:43	0.0	0.0
097	10/18/2022 09:59:43	0.0	0.0
098	10/18/2022 10:00:43	0.0	0.0
099	10/18/2022 10:01:43	0.0	0.0
100	10/18/2022 10:02:43	0.0	0.0
101	10/18/2022 10:03:43	0.0	0.0
102	10/18/2022 10:04:43	0.0	0.0
103	10/18/2022 10:05:43	0.0	0.0
104	10/18/2022 10:06:43	0.0	0.0
105	10/18/2022 10:07:43	0.0	0.0
106	10/18/2022 10:08:43	0.0	0.0
107	10/18/2022 10:09:43	0.0	0.0
108	10/18/2022 10:10:43	0.0	0.0
109	10/18/2022 10:11:43	0.0	0.0
110	10/18/2022 10:12:43	0.0	0.0
111	10/18/2022 10:13:43	0.0	0.0
112	10/18/2022 10:14:43	0.0	0.0
113	10/18/2022 10:15:43	0.0	0.0
114	10/18/2022 10:16:43	0.0	0.0
115	10/18/2022 10:17:43	0.0	0.0
116	10/18/2022 10:18:43	0.0	0.0
117	10/18/2022 10:19:43	0.0	0.0
118	10/18/2022 10:20:43	0.0	0.0
119	10/18/2022 10:21:43	0.0	0.0
120	10/18/2022 10:22:43	0.0	0.0
121	10/18/2022 10:23:43	0.0	0.0
122	10/18/2022 10:24:43	0.0	0.0
123	10/18/2022 10:25:43	0.0	0.0
124	10/18/2022 10:26:43	0.0	0.0
125	10/18/2022 10:27:43	0.0	0.0
126	10/18/2022 10:28:43	0.0	0.0

127	10/18/2022 10:29:43	0.0	0.0
128	10/18/2022 10:30:43	0.0	0.0
129	10/18/2022 10:31:43	0.0	0.0
130	10/18/2022 10:32:43	0.0	0.0
131	10/18/2022 10:33:43	0.0	0.0
132	10/18/2022 10:34:43	0.0	0.0
133	10/18/2022 10:35:43	0.0	0.0
134	10/18/2022 10:36:43	0.0	0.0
135	10/18/2022 10:37:43	0.0	0.0
136	10/18/2022 10:38:43	0.0	0.0
137	10/18/2022 10:39:43	0.0	0.0
138	10/18/2022 10:40:43	0.0	0.0
139	10/18/2022 10:41:43	0.0	0.0
140	10/18/2022 10:42:43	0.0	0.0
141	10/18/2022 10:43:43	0.0	0.0
142	10/18/2022 10:44:43	0.0	0.0
143	10/18/2022 10:45:43	0.0	0.0
144	10/18/2022 10:46:43	0.0	0.0
145	10/18/2022 10:47:43	0.0	0.0
146	10/18/2022 10:48:43	0.0	0.0
147	10/18/2022 10:49:43	0.0	0.0
148	10/18/2022 10:50:43	0.0	0.0
149	10/18/2022 10:51:43	0.0	0.0
150	10/18/2022 10:52:43	0.0	0.0
151	10/18/2022 10:53:43	0.0	0.0
152	10/18/2022 10:54:43	0.0	0.0
153	10/18/2022 10:55:43	0.0	0.0
154	10/18/2022 10:56:43	0.0	0.0
155	10/18/2022 10:57:43	0.0	0.0
156	10/18/2022 10:58:43	0.0	0.0
157	10/18/2022 10:59:43	0.0	0.0
158	10/18/2022 11:00:43	0.0	0.0
159	10/18/2022 11:01:43	0.0	0.0
160	10/18/2022 11:02:43	0.0	0.0
161	10/18/2022 11:03:43	0.0	0.0
162	10/18/2022 11:04:43	0.0	0.0
163	10/18/2022 11:05:43	0.0	0.0
164	10/18/2022 11:06:43	0.0	0.0
165	10/18/2022 11:07:43	0.0	0.0
166	10/18/2022 11:08:43	0.0	0.0
167	10/18/2022 11:09:43	0.0	0.0
168	10/18/2022 11:10:43	0.0	0.0
169	10/18/2022 11:11:43	0.0	0.0
170	10/18/2022 11:12:43	0.0	0.0
171	10/18/2022 11:13:43	0.0	0.0
172	10/18/2022 11:14:43	0.0	0.0
173	10/18/2022 11:15:43	0.0	0.0
174	10/18/2022 11:16:43	0.0	0.0
175	10/18/2022 11:17:43	0.0	0.0
176	10/18/2022 11:18:43	0.0	0.0
177	10/18/2022 11:19:43	0.0	0.0
178	10/18/2022 11:20:43	0.0	0.0
179	10/18/2022 11:21:43	0.0	0.0
180	10/18/2022 11:22:43	0.0	0.0
181	10/18/2022 11:23:43	0.0	0.0
182	10/18/2022 11:24:43	0.0	0.0
183	10/18/2022 11:25:43	0.0	0.0
184	10/18/2022 11:26:43	0.0	0.0
185	10/18/2022 11:27:43	0.0	0.0
186	10/18/2022 11:28:43	0.0	0.0
187	10/18/2022 11:29:43	0.0	0.0
188	10/18/2022 11:30:43	0.0	0.0
189	10/18/2022 11:31:43	0.0	0.0
190	10/18/2022 11:32:43	0.0	0.0
191	10/18/2022 11:33:43	0.0	0.0

192	10/18/2022 11:34:43	0.0	0.0
193	10/18/2022 11:35:43	0.0	0.0
194	10/18/2022 11:36:43	0.0	0.0
195	10/18/2022 11:37:43	0.0	0.0
196	10/18/2022 11:38:43	0.0	0.0
197	10/18/2022 11:39:43	0.0	0.0
198	10/18/2022 11:40:43	0.0	0.0
199	10/18/2022 11:41:43	0.0	0.0
200	10/18/2022 11:42:43	0.0	0.0
201	10/18/2022 11:43:43	0.0	0.0
202	10/18/2022 11:44:43	0.0	0.0
203	10/18/2022 11:45:43	0.0	0.0
204	10/18/2022 11:46:43	0.0	0.0
205	10/18/2022 11:47:43	0.0	0.0
206	10/18/2022 11:48:43	0.0	0.0
207	10/18/2022 11:49:43	0.0	0.0
208	10/18/2022 11:50:43	0.0	0.0
209	10/18/2022 11:51:43	0.0	0.0
210	10/18/2022 11:52:43	0.0	0.0
211	10/18/2022 11:53:43	0.0	0.0
212	10/18/2022 11:54:43	0.0	0.0
213	10/18/2022 11:55:43	0.0	0.0
214	10/18/2022 11:56:43	0.0	0.0
215	10/18/2022 11:57:43	0.0	0.0
216	10/18/2022 11:58:43	0.0	0.0
217	10/18/2022 11:59:43	0.0	0.0
218	10/18/2022 12:00:43	0.0	0.0
219	10/18/2022 12:01:43	0.0	0.0
220	10/18/2022 12:02:43	0.0	0.0
221	10/18/2022 12:03:43	0.0	0.0
222	10/18/2022 12:04:43	0.0	0.0
223	10/18/2022 12:05:43	0.0	0.0
224	10/18/2022 12:06:43	0.0	0.0
225	10/18/2022 12:07:43	0.0	0.0
226	10/18/2022 12:08:43	0.0	0.0
227	10/18/2022 12:09:43	0.0	0.0
228	10/18/2022 12:10:43	0.0	0.0
229	10/18/2022 12:11:43	0.0	0.0
230	10/18/2022 12:12:43	0.0	0.0
231	10/18/2022 12:13:43	0.0	0.0
232	10/18/2022 12:14:43	0.0	0.0
233	10/18/2022 12:15:43	0.0	0.0

Datalog

Current Event:22/10/18 13:14

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/18/2022 13:14:24
End	10/18/2022 14:49:42
Sample Period(s)	60
Number of Records	95

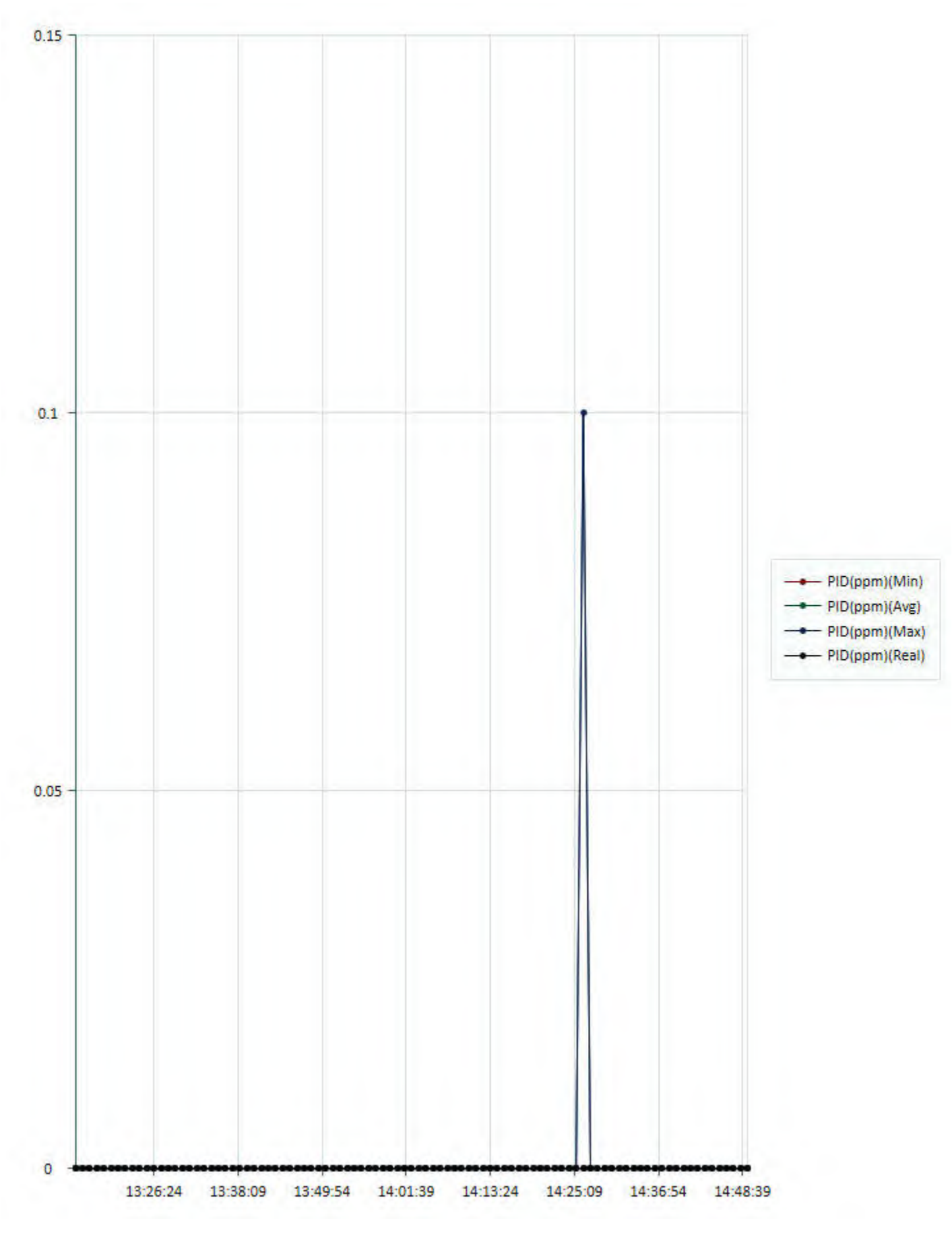
Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/18/2022 13:15:24	0.0	0.0	0.0	0.0
002	10/18/2022 13:16:24	0.0	0.0	0.0	0.0
003	10/18/2022 13:17:24	0.0	0.0	0.0	0.0
004	10/18/2022 13:18:24	0.0	0.0	0.0	0.0
005	10/18/2022 13:19:24	0.0	0.0	0.0	0.0
006	10/18/2022 13:20:24	0.0	0.0	0.0	0.0
007	10/18/2022 13:21:24	0.0	0.0	0.0	0.0
008	10/18/2022 13:22:24	0.0	0.0	0.0	0.0
009	10/18/2022 13:23:24	0.0	0.0	0.0	0.0
010	10/18/2022 13:24:24	0.0	0.0	0.0	0.0
011	10/18/2022 13:25:24	0.0	0.0	0.0	0.0
012	10/18/2022 13:26:24	0.0	0.0	0.0	0.0
013	10/18/2022 13:27:24	0.0	0.0	0.0	0.0
014	10/18/2022 13:28:24	0.0	0.0	0.0	0.0
015	10/18/2022 13:29:24	0.0	0.0	0.0	0.0
016	10/18/2022 13:30:24	0.0	0.0	0.0	0.0
017	10/18/2022 13:31:24	0.0	0.0	0.0	0.0
018	10/18/2022 13:32:24	0.0	0.0	0.0	0.0
019	10/18/2022 13:33:24	0.0	0.0	0.0	0.0
020	10/18/2022 13:34:24	0.0	0.0	0.0	0.0
021	10/18/2022 13:35:24	0.0	0.0	0.0	0.0
022	10/18/2022 13:36:24	0.0	0.0	0.0	0.0
023	10/18/2022 13:37:24	0.0	0.0	0.0	0.0
024	10/18/2022 13:38:24	0.0	0.0	0.0	0.0
025	10/18/2022 13:39:24	0.0	0.0	0.0	0.0
026	10/18/2022 13:40:24	0.0	0.0	0.0	0.0
027	10/18/2022 13:41:24	0.0	0.0	0.0	0.0
028	10/18/2022 13:42:24	0.0	0.0	0.0	0.0
029	10/18/2022 13:43:24	0.0	0.0	0.0	0.0
030	10/18/2022 13:44:24	0.0	0.0	0.0	0.0
031	10/18/2022 13:45:24	0.0	0.0	0.0	0.0
032	10/18/2022 13:46:24	0.0	0.0	0.0	0.0
033	10/18/2022 13:47:24	0.0	0.0	0.0	0.0
034	10/18/2022 13:48:24	0.0	0.0	0.0	0.0
035	10/18/2022 13:49:24	0.0	0.0	0.0	0.0
036	10/18/2022 13:50:24	0.0	0.0	0.0	0.0
037	10/18/2022 13:51:24	0.0	0.0	0.0	0.0
038	10/18/2022 13:52:24	0.0	0.0	0.0	0.0
039	10/18/2022 13:53:24	0.0	0.0	0.0	0.0
040	10/18/2022 13:54:24	0.0	0.0	0.0	0.0
041	10/18/2022 13:55:24	0.0	0.0	0.0	0.0
042	10/18/2022 13:56:24	0.0	0.0	0.0	0.0
043	10/18/2022 13:57:24	0.0	0.0	0.0	0.0
044	10/18/2022 13:58:24	0.0	0.0	0.0	0.0
045	10/18/2022 13:59:24	0.0	0.0	0.0	0.0
046	10/18/2022 14:00:24	0.0	0.0	0.0	0.0
047	10/18/2022 14:01:24	0.0	0.0	0.0	0.0
048	10/18/2022 14:02:24	0.0	0.0	0.0	0.0
049	10/18/2022 14:03:24	0.0	0.0	0.0	0.0
050	10/18/2022 14:04:24	0.0	0.0	0.0	0.0
051	10/18/2022 14:05:24	0.0	0.0	0.0	0.0
052	10/18/2022 14:06:24	0.0	0.0	0.0	0.0
053	10/18/2022 14:07:24	0.0	0.0	0.0	0.0
054	10/18/2022 14:08:24	0.0	0.0	0.0	0.0
055	10/18/2022 14:09:24	0.0	0.0	0.0	0.0
056	10/18/2022 14:10:24	0.0	0.0	0.0	0.0
057	10/18/2022 14:11:24	0.0	0.0	0.0	0.0
058	10/18/2022 14:12:24	0.0	0.0	0.0	0.0
059	10/18/2022 14:13:24	0.0	0.0	0.0	0.0
060	10/18/2022 14:14:24	0.0	0.0	0.0	0.0
061	10/18/2022 14:15:24	0.0	0.0	0.0	0.0

062	10/18/2022 14:16:24	0.0	0.0	0.0	0.0
063	10/18/2022 14:17:24	0.0	0.0	0.0	0.0
064	10/18/2022 14:18:24	0.0	0.0	0.0	0.0
065	10/18/2022 14:19:24	0.0	0.0	0.0	0.0
066	10/18/2022 14:20:24	0.0	0.0	0.0	0.0
067	10/18/2022 14:21:24	0.0	0.0	0.0	0.0
068	10/18/2022 14:22:24	0.0	0.0	0.0	0.0
069	10/18/2022 14:23:24	0.0	0.0	0.0	0.0
070	10/18/2022 14:24:24	0.0	0.0	0.0	0.0
071	10/18/2022 14:25:24	0.0	0.0	0.0	0.0
072	10/18/2022 14:26:24	0.0	0.0	0.1	0.0
073	10/18/2022 14:27:24	0.0	0.0	0.0	0.0
074	10/18/2022 14:28:24	0.0	0.0	0.0	0.0
075	10/18/2022 14:29:24	0.0	0.0	0.0	0.0
076	10/18/2022 14:30:24	0.0	0.0	0.0	0.0
077	10/18/2022 14:31:24	0.0	0.0	0.0	0.0
078	10/18/2022 14:32:24	0.0	0.0	0.0	0.0
079	10/18/2022 14:33:24	0.0	0.0	0.0	0.0
080	10/18/2022 14:34:24	0.0	0.0	0.0	0.0
081	10/18/2022 14:35:24	0.0	0.0	0.0	0.0
082	10/18/2022 14:36:24	0.0	0.0	0.0	0.0
083	10/18/2022 14:37:24	0.0	0.0	0.0	0.0
084	10/18/2022 14:38:24	0.0	0.0	0.0	0.0
085	10/18/2022 14:39:24	0.0	0.0	0.0	0.0
086	10/18/2022 14:40:24	0.0	0.0	0.0	0.0
087	10/18/2022 14:41:24	0.0	0.0	0.0	0.0
088	10/18/2022 14:42:24	0.0	0.0	0.0	0.0
089	10/18/2022 14:43:24	0.0	0.0	0.0	0.0
090	10/18/2022 14:44:24	0.0	0.0	0.0	0.0
091	10/18/2022 14:45:24	0.0	0.0	0.0	0.0
092	10/18/2022 14:46:24	0.0	0.0	0.0	0.0
093	10/18/2022 14:47:24	0.0	0.0	0.0	0.0
094	10/18/2022 14:48:24	0.0	0.0	0.0	0.0
095	10/18/2022 14:49:24	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.1	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/18/2022 13:15:24	0.0	---
002	10/18/2022 13:16:24	0.0	---
003	10/18/2022 13:17:24	0.0	---
004	10/18/2022 13:18:24	0.0	---
005	10/18/2022 13:19:24	0.0	---
006	10/18/2022 13:20:24	0.0	---
007	10/18/2022 13:21:24	0.0	---
008	10/18/2022 13:22:24	0.0	---
009	10/18/2022 13:23:24	0.0	---
010	10/18/2022 13:24:24	0.0	---
011	10/18/2022 13:25:24	0.0	---
012	10/18/2022 13:26:24	0.0	---
013	10/18/2022 13:27:24	0.0	---
014	10/18/2022 13:28:24	0.0	---
015	10/18/2022 13:29:24	0.0	0.0
016	10/18/2022 13:30:24	0.0	0.0
017	10/18/2022 13:31:24	0.0	0.0
018	10/18/2022 13:32:24	0.0	0.0
019	10/18/2022 13:33:24	0.0	0.0
020	10/18/2022 13:34:24	0.0	0.0
021	10/18/2022 13:35:24	0.0	0.0
022	10/18/2022 13:36:24	0.0	0.0
023	10/18/2022 13:37:24	0.0	0.0
024	10/18/2022 13:38:24	0.0	0.0
025	10/18/2022 13:39:24	0.0	0.0
026	10/18/2022 13:40:24	0.0	0.0
027	10/18/2022 13:41:24	0.0	0.0
028	10/18/2022 13:42:24	0.0	0.0
029	10/18/2022 13:43:24	0.0	0.0
030	10/18/2022 13:44:24	0.0	0.0
031	10/18/2022 13:45:24	0.0	0.0
032	10/18/2022 13:46:24	0.0	0.0
033	10/18/2022 13:47:24	0.0	0.0
034	10/18/2022 13:48:24	0.0	0.0
035	10/18/2022 13:49:24	0.0	0.0
036	10/18/2022 13:50:24	0.0	0.0
037	10/18/2022 13:51:24	0.0	0.0
038	10/18/2022 13:52:24	0.0	0.0
039	10/18/2022 13:53:24	0.0	0.0
040	10/18/2022 13:54:24	0.0	0.0
041	10/18/2022 13:55:24	0.0	0.0
042	10/18/2022 13:56:24	0.0	0.0
043	10/18/2022 13:57:24	0.0	0.0
044	10/18/2022 13:58:24	0.0	0.0
045	10/18/2022 13:59:24	0.0	0.0
046	10/18/2022 14:00:24	0.0	0.0
047	10/18/2022 14:01:24	0.0	0.0
048	10/18/2022 14:02:24	0.0	0.0
049	10/18/2022 14:03:24	0.0	0.0
050	10/18/2022 14:04:24	0.0	0.0
051	10/18/2022 14:05:24	0.0	0.0
052	10/18/2022 14:06:24	0.0	0.0
053	10/18/2022 14:07:24	0.0	0.0
054	10/18/2022 14:08:24	0.0	0.0
055	10/18/2022 14:09:24	0.0	0.0
056	10/18/2022 14:10:24	0.0	0.0
057	10/18/2022 14:11:24	0.0	0.0
058	10/18/2022 14:12:24	0.0	0.0
059	10/18/2022 14:13:24	0.0	0.0
060	10/18/2022 14:14:24	0.0	0.0
061	10/18/2022 14:15:24	0.0	0.0

062	10/18/2022 14:16:24	0.0	0.0
063	10/18/2022 14:17:24	0.0	0.0
064	10/18/2022 14:18:24	0.0	0.0
065	10/18/2022 14:19:24	0.0	0.0
066	10/18/2022 14:20:24	0.0	0.0
067	10/18/2022 14:21:24	0.0	0.0
068	10/18/2022 14:22:24	0.0	0.0
069	10/18/2022 14:23:24	0.0	0.0
070	10/18/2022 14:24:24	0.0	0.0
071	10/18/2022 14:25:24	0.0	0.0
072	10/18/2022 14:26:24	0.0	0.0
073	10/18/2022 14:27:24	0.0	0.0
074	10/18/2022 14:28:24	0.0	0.0
075	10/18/2022 14:29:24	0.0	0.0
076	10/18/2022 14:30:24	0.0	0.0
077	10/18/2022 14:31:24	0.0	0.0
078	10/18/2022 14:32:24	0.0	0.0
079	10/18/2022 14:33:24	0.0	0.0
080	10/18/2022 14:34:24	0.0	0.0
081	10/18/2022 14:35:24	0.0	0.0
082	10/18/2022 14:36:24	0.0	0.0
083	10/18/2022 14:37:24	0.0	0.0
084	10/18/2022 14:38:24	0.0	0.0
085	10/18/2022 14:39:24	0.0	0.0
086	10/18/2022 14:40:24	0.0	0.0
087	10/18/2022 14:41:24	0.0	0.0
088	10/18/2022 14:42:24	0.0	0.0
089	10/18/2022 14:43:24	0.0	0.0
090	10/18/2022 14:44:24	0.0	0.0
091	10/18/2022 14:45:24	0.0	0.0
092	10/18/2022 14:46:24	0.0	0.0
093	10/18/2022 14:47:24	0.0	0.0
094	10/18/2022 14:48:24	0.0	0.0
095	10/18/2022 14:49:24	0.0	0.0

Datalog

Current Event:22/10/18 13:14

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927732
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/18/2022 13:14:05
End	10/18/2022 14:53:38
Sample Period(s)	60
Number of Records	99

Sensor	PID(ppm)
Sensor SN	S023030308W4
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:02
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/18/2022 13:15:05	0.0	0.0	0.0	0.0
002	10/18/2022 13:16:05	0.0	0.0	0.0	0.0
003	10/18/2022 13:17:05	0.0	0.0	0.0	0.0
004	10/18/2022 13:18:05	0.0	0.0	0.0	0.0
005	10/18/2022 13:19:05	0.0	0.0	0.0	0.0
006	10/18/2022 13:20:05	0.0	0.0	0.0	0.0
007	10/18/2022 13:21:05	0.0	0.0	0.0	0.0
008	10/18/2022 13:22:05	0.0	0.0	0.0	0.0
009	10/18/2022 13:23:05	0.0	0.0	0.0	0.0
010	10/18/2022 13:24:05	0.0	0.0	0.0	0.0
011	10/18/2022 13:25:05	0.0	0.0	0.0	0.0
012	10/18/2022 13:26:05	0.0	0.0	0.0	0.0
013	10/18/2022 13:27:05	0.0	0.0	0.0	0.0
014	10/18/2022 13:28:05	0.0	0.0	0.0	0.0
015	10/18/2022 13:29:05	0.0	0.0	0.0	0.0
016	10/18/2022 13:30:05	0.0	0.0	0.0	0.0
017	10/18/2022 13:31:05	0.0	0.0	0.0	0.0
018	10/18/2022 13:32:05	0.0	0.0	0.0	0.0
019	10/18/2022 13:33:05	0.0	0.0	0.0	0.0
020	10/18/2022 13:34:05	0.0	0.0	0.0	0.0
021	10/18/2022 13:35:05	0.0	0.0	0.0	0.0
022	10/18/2022 13:36:05	0.0	0.0	0.0	0.0
023	10/18/2022 13:37:05	0.0	0.0	0.0	0.0
024	10/18/2022 13:38:05	0.0	0.0	0.0	0.0
025	10/18/2022 13:39:05	0.0	0.0	0.0	0.0
026	10/18/2022 13:40:05	0.0	0.0	0.0	0.0
027	10/18/2022 13:41:05	0.0	0.0	0.0	0.0
028	10/18/2022 13:42:05	0.0	0.0	0.0	0.0
029	10/18/2022 13:43:05	0.0	0.0	0.0	0.0
030	10/18/2022 13:44:05	0.0	0.0	0.0	0.0
031	10/18/2022 13:45:05	0.0	0.0	0.0	0.0
032	10/18/2022 13:46:05	0.0	0.0	0.0	0.0
033	10/18/2022 13:47:05	0.0	0.0	0.0	0.0
034	10/18/2022 13:48:05	0.0	0.0	0.0	0.0
035	10/18/2022 13:49:05	0.0	0.0	0.0	0.0
036	10/18/2022 13:50:05	0.0	0.0	0.0	0.0
037	10/18/2022 13:51:05	0.0	0.0	0.0	0.0
038	10/18/2022 13:52:05	0.0	0.0	0.0	0.0
039	10/18/2022 13:53:05	0.0	0.0	0.0	0.0
040	10/18/2022 13:54:05	0.0	0.0	0.0	0.0
041	10/18/2022 13:55:05	0.0	0.0	0.0	0.0
042	10/18/2022 13:56:05	0.0	0.0	0.0	0.0
043	10/18/2022 13:57:05	0.0	0.0	0.0	0.0
044	10/18/2022 13:58:05	0.0	0.0	0.0	0.0
045	10/18/2022 13:59:05	0.0	0.0	0.0	0.0
046	10/18/2022 14:00:05	0.0	0.0	0.0	0.0
047	10/18/2022 14:01:05	0.0	0.0	0.0	0.0
048	10/18/2022 14:02:05	0.0	0.0	0.0	0.0
049	10/18/2022 14:03:05	0.0	0.0	0.0	0.0
050	10/18/2022 14:04:05	0.0	0.0	0.0	0.0
051	10/18/2022 14:05:05	0.0	0.0	0.0	0.0
052	10/18/2022 14:06:05	0.0	0.0	0.0	0.0
053	10/18/2022 14:07:05	0.0	0.0	0.0	0.0
054	10/18/2022 14:08:05	0.0	0.0	0.0	0.0
055	10/18/2022 14:09:05	0.0	0.0	0.0	0.0
056	10/18/2022 14:10:05	0.0	0.0	0.0	0.0
057	10/18/2022 14:11:05	0.0	0.0	0.0	0.0
058	10/18/2022 14:12:05	0.0	0.0	0.0	0.0
059	10/18/2022 14:13:05	0.0	0.0	0.0	0.0
060	10/18/2022 14:14:05	0.0	0.0	0.0	0.0
061	10/18/2022 14:15:05	0.0	0.0	0.0	0.0

062	10/18/2022 14:16:05	0.0	0.0	0.0	0.0
063	10/18/2022 14:17:05	0.0	0.0	0.0	0.0
064	10/18/2022 14:18:05	0.0	0.0	0.0	0.0
065	10/18/2022 14:19:05	0.0	0.0	0.0	0.0
066	10/18/2022 14:20:05	0.0	0.0	0.0	0.0
067	10/18/2022 14:21:05	0.0	0.0	0.0	0.0
068	10/18/2022 14:22:05	0.0	0.0	0.0	0.0
069	10/18/2022 14:23:05	0.0	0.0	0.0	0.0
070	10/18/2022 14:24:05	0.0	0.0	0.0	0.0
071	10/18/2022 14:25:05	0.0	0.0	0.0	0.0
072	10/18/2022 14:26:05	0.0	0.0	0.0	0.0
073	10/18/2022 14:27:05	0.0	0.0	0.0	0.0
074	10/18/2022 14:28:05	0.0	0.0	0.0	0.0
075	10/18/2022 14:29:05	0.0	0.0	0.0	0.0
076	10/18/2022 14:30:05	0.0	0.0	0.0	0.0
077	10/18/2022 14:31:05	0.0	0.0	0.0	0.0
078	10/18/2022 14:32:05	0.0	0.0	0.0	0.0
079	10/18/2022 14:33:05	0.0	0.0	0.0	0.0
080	10/18/2022 14:34:05	0.0	0.0	0.0	0.0
081	10/18/2022 14:35:05	0.0	0.0	0.0	0.0
082	10/18/2022 14:36:05	0.0	0.0	0.0	0.0
083	10/18/2022 14:37:05	0.0	0.0	0.0	0.0
084	10/18/2022 14:38:05	0.0	0.0	0.0	0.0
085	10/18/2022 14:39:05	0.0	0.0	0.0	0.0
086	10/18/2022 14:40:05	0.0	0.0	0.0	0.0
087	10/18/2022 14:41:05	0.0	0.0	0.0	0.0
088	10/18/2022 14:42:05	0.0	0.0	0.0	0.0
089	10/18/2022 14:43:05	0.0	0.0	0.0	0.0
090	10/18/2022 14:44:05	0.0	0.0	0.0	0.0
091	10/18/2022 14:45:05	0.0	0.0	0.0	0.0
092	10/18/2022 14:46:05	0.0	0.0	0.0	0.0
093	10/18/2022 14:47:05	0.0	0.0	0.0	0.0
094	10/18/2022 14:48:05	0.0	0.0	0.0	0.0
095	10/18/2022 14:49:05	0.0	0.0	0.0	0.0
096	10/18/2022 14:50:05	0.0	0.0	0.0	0.0
097	10/18/2022 14:51:05	0.0	0.0	0.0	0.0
098	10/18/2022 14:52:05	0.0	0.0	0.0	0.0
099	10/18/2022 14:53:05	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/18/2022 13:15:05	0.0	---
002	10/18/2022 13:16:05	0.0	---
003	10/18/2022 13:17:05	0.0	---
004	10/18/2022 13:18:05	0.0	---
005	10/18/2022 13:19:05	0.0	---
006	10/18/2022 13:20:05	0.0	---
007	10/18/2022 13:21:05	0.0	---
008	10/18/2022 13:22:05	0.0	---
009	10/18/2022 13:23:05	0.0	---
010	10/18/2022 13:24:05	0.0	---
011	10/18/2022 13:25:05	0.0	---
012	10/18/2022 13:26:05	0.0	---
013	10/18/2022 13:27:05	0.0	---
014	10/18/2022 13:28:05	0.0	---
015	10/18/2022 13:29:05	0.0	0.0
016	10/18/2022 13:30:05	0.0	0.0
017	10/18/2022 13:31:05	0.0	0.0
018	10/18/2022 13:32:05	0.0	0.0
019	10/18/2022 13:33:05	0.0	0.0
020	10/18/2022 13:34:05	0.0	0.0
021	10/18/2022 13:35:05	0.0	0.0
022	10/18/2022 13:36:05	0.0	0.0
023	10/18/2022 13:37:05	0.0	0.0
024	10/18/2022 13:38:05	0.0	0.0
025	10/18/2022 13:39:05	0.0	0.0
026	10/18/2022 13:40:05	0.0	0.0
027	10/18/2022 13:41:05	0.0	0.0
028	10/18/2022 13:42:05	0.0	0.0
029	10/18/2022 13:43:05	0.0	0.0
030	10/18/2022 13:44:05	0.0	0.0
031	10/18/2022 13:45:05	0.0	0.0
032	10/18/2022 13:46:05	0.0	0.0
033	10/18/2022 13:47:05	0.0	0.0
034	10/18/2022 13:48:05	0.0	0.0
035	10/18/2022 13:49:05	0.0	0.0
036	10/18/2022 13:50:05	0.0	0.0
037	10/18/2022 13:51:05	0.0	0.0
038	10/18/2022 13:52:05	0.0	0.0
039	10/18/2022 13:53:05	0.0	0.0
040	10/18/2022 13:54:05	0.0	0.0
041	10/18/2022 13:55:05	0.0	0.0
042	10/18/2022 13:56:05	0.0	0.0
043	10/18/2022 13:57:05	0.0	0.0
044	10/18/2022 13:58:05	0.0	0.0
045	10/18/2022 13:59:05	0.0	0.0
046	10/18/2022 14:00:05	0.0	0.0
047	10/18/2022 14:01:05	0.0	0.0
048	10/18/2022 14:02:05	0.0	0.0
049	10/18/2022 14:03:05	0.0	0.0
050	10/18/2022 14:04:05	0.0	0.0
051	10/18/2022 14:05:05	0.0	0.0
052	10/18/2022 14:06:05	0.0	0.0
053	10/18/2022 14:07:05	0.0	0.0
054	10/18/2022 14:08:05	0.0	0.0
055	10/18/2022 14:09:05	0.0	0.0
056	10/18/2022 14:10:05	0.0	0.0
057	10/18/2022 14:11:05	0.0	0.0
058	10/18/2022 14:12:05	0.0	0.0
059	10/18/2022 14:13:05	0.0	0.0
060	10/18/2022 14:14:05	0.0	0.0
061	10/18/2022 14:15:05	0.0	0.0

062	10/18/2022 14:16:05	0.0	0.0
063	10/18/2022 14:17:05	0.0	0.0
064	10/18/2022 14:18:05	0.0	0.0
065	10/18/2022 14:19:05	0.0	0.0
066	10/18/2022 14:20:05	0.0	0.0
067	10/18/2022 14:21:05	0.0	0.0
068	10/18/2022 14:22:05	0.0	0.0
069	10/18/2022 14:23:05	0.0	0.0
070	10/18/2022 14:24:05	0.0	0.0
071	10/18/2022 14:25:05	0.0	0.0
072	10/18/2022 14:26:05	0.0	0.0
073	10/18/2022 14:27:05	0.0	0.0
074	10/18/2022 14:28:05	0.0	0.0
075	10/18/2022 14:29:05	0.0	0.0
076	10/18/2022 14:30:05	0.0	0.0
077	10/18/2022 14:31:05	0.0	0.0
078	10/18/2022 14:32:05	0.0	0.0
079	10/18/2022 14:33:05	0.0	0.0
080	10/18/2022 14:34:05	0.0	0.0
081	10/18/2022 14:35:05	0.0	0.0
082	10/18/2022 14:36:05	0.0	0.0
083	10/18/2022 14:37:05	0.0	0.0
084	10/18/2022 14:38:05	0.0	0.0
085	10/18/2022 14:39:05	0.0	0.0
086	10/18/2022 14:40:05	0.0	0.0
087	10/18/2022 14:41:05	0.0	0.0
088	10/18/2022 14:42:05	0.0	0.0
089	10/18/2022 14:43:05	0.0	0.0
090	10/18/2022 14:44:05	0.0	0.0
091	10/18/2022 14:45:05	0.0	0.0
092	10/18/2022 14:46:05	0.0	0.0
093	10/18/2022 14:47:05	0.0	0.0
094	10/18/2022 14:48:05	0.0	0.0
095	10/18/2022 14:49:05	0.0	0.0
096	10/18/2022 14:50:05	0.0	0.0
097	10/18/2022 14:51:05	0.0	0.0
098	10/18/2022 14:52:05	0.0	0.0
099	10/18/2022 14:53:05	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171404
Firmware Version	3.1
Calibration Date	2/21/2022
Test Name	MANUAL_003
Test Start Time	8:16:57 AM
Test Start Date	10/18/2022
Test Length [D:H:M]	0:03:50
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.05
Mass TWA [mg/m3]	0.007
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	46

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.018		
600	0.01		
900	0.007		
1200	0.008		
1500	0.036		
1800	0.009		
2100	0.006		
2400	0.007		
2700	0.012		
3000	0.009		
3300	0.01		
3600	0.009		
3900	0.011		
4200	0.045		
4500	0.006		
4800	0.008		
5100	0.009		
5400	0.008		
5700	0.007		
6000	0.009		
6300	0.014		
6600	0.009		
6900	0.018		
7200	0.015		
7500	0.013		
7800	0.017		
8100	0.05		

8400	0.008
8700	0.009
9000	0.009
9300	0.01
9600	0.01
9900	0.011
10200	0.02
10500	0.014
10800	0.011
11100	0.009
11400	0.01
11700	0.02
12000	0.025
12300	0.015
12600	0.012
12900	0.013
13200	0.015
13500	0.019
13800	0.016

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171404
Firmware Version	3.1
Calibration Date	2/21/2022
Test Name	MANUAL_004
Test Start Time	1:09:15 PM
Test Start Date	10/18/2022
Test Length [D:H:M]	0:01:30
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.034
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	18

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.033		
600	0.023		
900	0.015		
1200	0.009		
1500	0.024		
1800	0.025		
2100	0.012		
2400	0.011		
2700	0.009		
3000	0.011		
3300	0.012		
3600	0.011		
3900	0.013		
4200	0.015		
4500	0.034		
4800	0.015		
5100	0.02		
5400	0.014		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173314
Firmware Version	3.1
Calibration Date	8/23/2022
Test Name	MANUAL_004
Test Start Time	1:11:23 PM
Test Start Date	10/18/2022
Test Length [D:H:M]	0:01:35
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.026
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	19

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.011		
600	0.008		
900	0.007		
1200	0.009		
1500	0.015		
1800	0.016		
2100	0.014		
2400	0.019		
2700	0.013		
3000	0.015		
3300	0.015		
3600	0.01		
3900	0.02		
4200	0.026		
4500	0.022		
4800	0.026		
5100	0.019		
5400	0.015		
5700	0.022		



3

Date: 10/10/22

Personnel: *ML*

Notes:

Datalog

Current Event:22/10/19 08:15

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/19/2022 08:15:29
End	10/19/2022 11:21:45
Sample Period(s)	60
Number of Records	186

Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

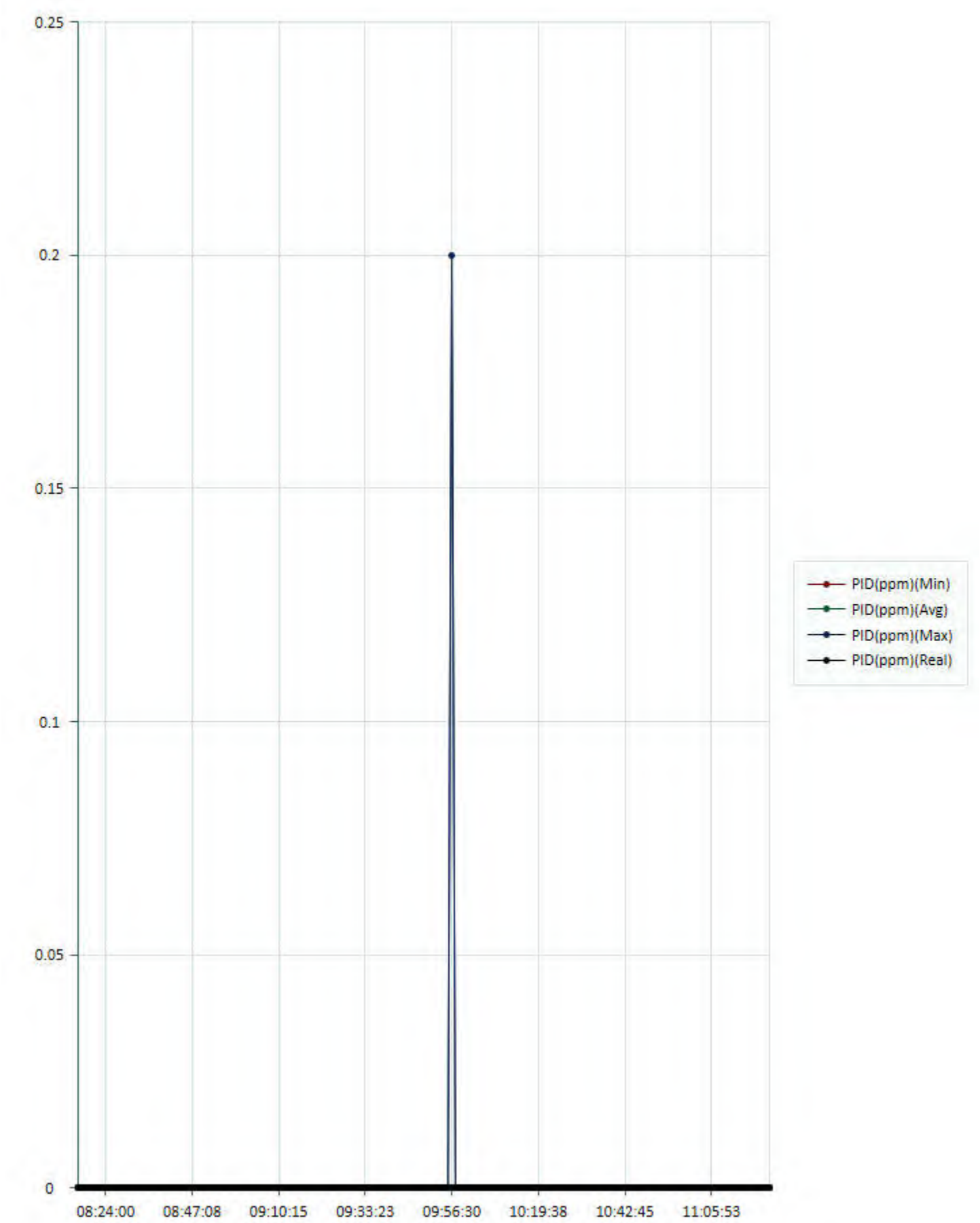
Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/19/2022 08:16:29	0.0	0.0	0.0	0.0
002	10/19/2022 08:17:29	0.0	0.0	0.0	0.0
003	10/19/2022 08:18:29	0.0	0.0	0.0	0.0
004	10/19/2022 08:19:29	0.0	0.0	0.0	0.0
005	10/19/2022 08:20:29	0.0	0.0	0.0	0.0
006	10/19/2022 08:21:29	0.0	0.0	0.0	0.0
007	10/19/2022 08:22:29	0.0	0.0	0.0	0.0
008	10/19/2022 08:23:29	0.0	0.0	0.0	0.0
009	10/19/2022 08:24:29	0.0	0.0	0.0	0.0
010	10/19/2022 08:25:29	0.0	0.0	0.0	0.0
011	10/19/2022 08:26:29	0.0	0.0	0.0	0.0
012	10/19/2022 08:27:29	0.0	0.0	0.0	0.0
013	10/19/2022 08:28:29	0.0	0.0	0.0	0.0
014	10/19/2022 08:29:29	0.0	0.0	0.0	0.0
015	10/19/2022 08:30:29	0.0	0.0	0.0	0.0
016	10/19/2022 08:31:29	0.0	0.0	0.0	0.0
017	10/19/2022 08:32:29	0.0	0.0	0.0	0.0
018	10/19/2022 08:33:29	0.0	0.0	0.0	0.0
019	10/19/2022 08:34:29	0.0	0.0	0.0	0.0
020	10/19/2022 08:35:29	0.0	0.0	0.0	0.0
021	10/19/2022 08:36:29	0.0	0.0	0.0	0.0
022	10/19/2022 08:37:29	0.0	0.0	0.0	0.0
023	10/19/2022 08:38:29	0.0	0.0	0.0	0.0
024	10/19/2022 08:39:29	0.0	0.0	0.0	0.0
025	10/19/2022 08:40:29	0.0	0.0	0.0	0.0
026	10/19/2022 08:41:29	0.0	0.0	0.0	0.0
027	10/19/2022 08:42:29	0.0	0.0	0.0	0.0
028	10/19/2022 08:43:29	0.0	0.0	0.0	0.0
029	10/19/2022 08:44:29	0.0	0.0	0.0	0.0
030	10/19/2022 08:45:29	0.0	0.0	0.0	0.0
031	10/19/2022 08:46:29	0.0	0.0	0.0	0.0
032	10/19/2022 08:47:29	0.0	0.0	0.0	0.0
033	10/19/2022 08:48:29	0.0	0.0	0.0	0.0
034	10/19/2022 08:49:29	0.0	0.0	0.0	0.0
035	10/19/2022 08:50:29	0.0	0.0	0.0	0.0
036	10/19/2022 08:51:29	0.0	0.0	0.0	0.0
037	10/19/2022 08:52:29	0.0	0.0	0.0	0.0
038	10/19/2022 08:53:29	0.0	0.0	0.0	0.0
039	10/19/2022 08:54:29	0.0	0.0	0.0	0.0
040	10/19/2022 08:55:29	0.0	0.0	0.0	0.0
041	10/19/2022 08:56:29	0.0	0.0	0.0	0.0
042	10/19/2022 08:57:29	0.0	0.0	0.0	0.0
043	10/19/2022 08:58:29	0.0	0.0	0.0	0.0
044	10/19/2022 08:59:29	0.0	0.0	0.0	0.0
045	10/19/2022 09:00:29	0.0	0.0	0.0	0.0
046	10/19/2022 09:01:29	0.0	0.0	0.0	0.0
047	10/19/2022 09:02:29	0.0	0.0	0.0	0.0
048	10/19/2022 09:03:29	0.0	0.0	0.0	0.0
049	10/19/2022 09:04:29	0.0	0.0	0.0	0.0
050	10/19/2022 09:05:29	0.0	0.0	0.0	0.0
051	10/19/2022 09:06:29	0.0	0.0	0.0	0.0
052	10/19/2022 09:07:29	0.0	0.0	0.0	0.0
053	10/19/2022 09:08:29	0.0	0.0	0.0	0.0
054	10/19/2022 09:09:29	0.0	0.0	0.0	0.0
055	10/19/2022 09:10:29	0.0	0.0	0.0	0.0
056	10/19/2022 09:11:29	0.0	0.0	0.0	0.0
057	10/19/2022 09:12:29	0.0	0.0	0.0	0.0
058	10/19/2022 09:13:29	0.0	0.0	0.0	0.0
059	10/19/2022 09:14:29	0.0	0.0	0.0	0.0
060	10/19/2022 09:15:29	0.0	0.0	0.0	0.0
061	10/19/2022 09:16:29	0.0	0.0	0.0	0.0

062	10/19/2022 09:17:29	0.0	0.0	0.0	0.0
063	10/19/2022 09:18:29	0.0	0.0	0.0	0.0
064	10/19/2022 09:19:29	0.0	0.0	0.0	0.0
065	10/19/2022 09:20:29	0.0	0.0	0.0	0.0
066	10/19/2022 09:21:29	0.0	0.0	0.0	0.0
067	10/19/2022 09:22:29	0.0	0.0	0.0	0.0
068	10/19/2022 09:23:29	0.0	0.0	0.0	0.0
069	10/19/2022 09:24:29	0.0	0.0	0.0	0.0
070	10/19/2022 09:25:29	0.0	0.0	0.0	0.0
071	10/19/2022 09:26:29	0.0	0.0	0.0	0.0
072	10/19/2022 09:27:29	0.0	0.0	0.0	0.0
073	10/19/2022 09:28:29	0.0	0.0	0.0	0.0
074	10/19/2022 09:29:29	0.0	0.0	0.0	0.0
075	10/19/2022 09:30:29	0.0	0.0	0.0	0.0
076	10/19/2022 09:31:29	0.0	0.0	0.0	0.0
077	10/19/2022 09:32:29	0.0	0.0	0.0	0.0
078	10/19/2022 09:33:29	0.0	0.0	0.0	0.0
079	10/19/2022 09:34:29	0.0	0.0	0.0	0.0
080	10/19/2022 09:35:29	0.0	0.0	0.0	0.0
081	10/19/2022 09:36:29	0.0	0.0	0.0	0.0
082	10/19/2022 09:37:29	0.0	0.0	0.0	0.0
083	10/19/2022 09:38:29	0.0	0.0	0.0	0.0
084	10/19/2022 09:39:29	0.0	0.0	0.0	0.0
085	10/19/2022 09:40:29	0.0	0.0	0.0	0.0
086	10/19/2022 09:41:29	0.0	0.0	0.0	0.0
087	10/19/2022 09:42:29	0.0	0.0	0.0	0.0
088	10/19/2022 09:43:29	0.0	0.0	0.0	0.0
089	10/19/2022 09:44:29	0.0	0.0	0.0	0.0
090	10/19/2022 09:45:29	0.0	0.0	0.0	0.0
091	10/19/2022 09:46:29	0.0	0.0	0.0	0.0
092	10/19/2022 09:47:29	0.0	0.0	0.0	0.0
093	10/19/2022 09:48:29	0.0	0.0	0.0	0.0
094	10/19/2022 09:49:29	0.0	0.0	0.0	0.0
095	10/19/2022 09:50:29	0.0	0.0	0.0	0.0
096	10/19/2022 09:51:29	0.0	0.0	0.0	0.0
097	10/19/2022 09:52:29	0.0	0.0	0.0	0.0
098	10/19/2022 09:53:29	0.0	0.0	0.0	0.0
099	10/19/2022 09:54:29	0.0	0.0	0.0	0.0
100	10/19/2022 09:55:29	0.0	0.0	0.0	0.0
101	10/19/2022 09:56:29	0.0	0.0	0.2	0.0
102	10/19/2022 09:57:29	0.0	0.0	0.0	0.0
103	10/19/2022 09:58:29	0.0	0.0	0.0	0.0
104	10/19/2022 09:59:29	0.0	0.0	0.0	0.0
105	10/19/2022 10:00:29	0.0	0.0	0.0	0.0
106	10/19/2022 10:01:29	0.0	0.0	0.0	0.0
107	10/19/2022 10:02:29	0.0	0.0	0.0	0.0
108	10/19/2022 10:03:29	0.0	0.0	0.0	0.0
109	10/19/2022 10:04:29	0.0	0.0	0.0	0.0
110	10/19/2022 10:05:29	0.0	0.0	0.0	0.0
111	10/19/2022 10:06:29	0.0	0.0	0.0	0.0
112	10/19/2022 10:07:29	0.0	0.0	0.0	0.0
113	10/19/2022 10:08:29	0.0	0.0	0.0	0.0
114	10/19/2022 10:09:29	0.0	0.0	0.0	0.0
115	10/19/2022 10:10:29	0.0	0.0	0.0	0.0
116	10/19/2022 10:11:29	0.0	0.0	0.0	0.0
117	10/19/2022 10:12:29	0.0	0.0	0.0	0.0
118	10/19/2022 10:13:29	0.0	0.0	0.0	0.0
119	10/19/2022 10:14:29	0.0	0.0	0.0	0.0
120	10/19/2022 10:15:29	0.0	0.0	0.0	0.0
121	10/19/2022 10:16:29	0.0	0.0	0.0	0.0
122	10/19/2022 10:17:29	0.0	0.0	0.0	0.0
123	10/19/2022 10:18:29	0.0	0.0	0.0	0.0
124	10/19/2022 10:19:29	0.0	0.0	0.0	0.0
125	10/19/2022 10:20:29	0.0	0.0	0.0	0.0
126	10/19/2022 10:21:29	0.0	0.0	0.0	0.0

127	10/19/2022 10:22:29	0.0	0.0	0.0	0.0
128	10/19/2022 10:23:29	0.0	0.0	0.0	0.0
129	10/19/2022 10:24:29	0.0	0.0	0.0	0.0
130	10/19/2022 10:25:29	0.0	0.0	0.0	0.0
131	10/19/2022 10:26:29	0.0	0.0	0.0	0.0
132	10/19/2022 10:27:29	0.0	0.0	0.0	0.0
133	10/19/2022 10:28:29	0.0	0.0	0.0	0.0
134	10/19/2022 10:29:29	0.0	0.0	0.0	0.0
135	10/19/2022 10:30:29	0.0	0.0	0.0	0.0
136	10/19/2022 10:31:29	0.0	0.0	0.0	0.0
137	10/19/2022 10:32:29	0.0	0.0	0.0	0.0
138	10/19/2022 10:33:29	0.0	0.0	0.0	0.0
139	10/19/2022 10:34:29	0.0	0.0	0.0	0.0
140	10/19/2022 10:35:29	0.0	0.0	0.0	0.0
141	10/19/2022 10:36:29	0.0	0.0	0.0	0.0
142	10/19/2022 10:37:29	0.0	0.0	0.0	0.0
143	10/19/2022 10:38:29	0.0	0.0	0.0	0.0
144	10/19/2022 10:39:29	0.0	0.0	0.0	0.0
145	10/19/2022 10:40:29	0.0	0.0	0.0	0.0
146	10/19/2022 10:41:29	0.0	0.0	0.0	0.0
147	10/19/2022 10:42:29	0.0	0.0	0.0	0.0
148	10/19/2022 10:43:29	0.0	0.0	0.0	0.0
149	10/19/2022 10:44:29	0.0	0.0	0.0	0.0
150	10/19/2022 10:45:29	0.0	0.0	0.0	0.0
151	10/19/2022 10:46:29	0.0	0.0	0.0	0.0
152	10/19/2022 10:47:29	0.0	0.0	0.0	0.0
153	10/19/2022 10:48:29	0.0	0.0	0.0	0.0
154	10/19/2022 10:49:29	0.0	0.0	0.0	0.0
155	10/19/2022 10:50:29	0.0	0.0	0.0	0.0
156	10/19/2022 10:51:29	0.0	0.0	0.0	0.0
157	10/19/2022 10:52:29	0.0	0.0	0.0	0.0
158	10/19/2022 10:53:29	0.0	0.0	0.0	0.0
159	10/19/2022 10:54:29	0.0	0.0	0.0	0.0
160	10/19/2022 10:55:29	0.0	0.0	0.0	0.0
161	10/19/2022 10:56:29	0.0	0.0	0.0	0.0
162	10/19/2022 10:57:29	0.0	0.0	0.0	0.0
163	10/19/2022 10:58:29	0.0	0.0	0.0	0.0
164	10/19/2022 10:59:29	0.0	0.0	0.0	0.0
165	10/19/2022 11:00:29	0.0	0.0	0.0	0.0
166	10/19/2022 11:01:29	0.0	0.0	0.0	0.0
167	10/19/2022 11:02:29	0.0	0.0	0.0	0.0
168	10/19/2022 11:03:29	0.0	0.0	0.0	0.0
169	10/19/2022 11:04:29	0.0	0.0	0.0	0.0
170	10/19/2022 11:05:29	0.0	0.0	0.0	0.0
171	10/19/2022 11:06:29	0.0	0.0	0.0	0.0
172	10/19/2022 11:07:29	0.0	0.0	0.0	0.0
173	10/19/2022 11:08:29	0.0	0.0	0.0	0.0
174	10/19/2022 11:09:29	0.0	0.0	0.0	0.0
175	10/19/2022 11:10:29	0.0	0.0	0.0	0.0
176	10/19/2022 11:11:29	0.0	0.0	0.0	0.0
177	10/19/2022 11:12:29	0.0	0.0	0.0	0.0
178	10/19/2022 11:13:29	0.0	0.0	0.0	0.0
179	10/19/2022 11:14:29	0.0	0.0	0.0	0.0
180	10/19/2022 11:15:29	0.0	0.0	0.0	0.0
181	10/19/2022 11:16:29	0.0	0.0	0.0	0.0
182	10/19/2022 11:17:29	0.0	0.0	0.0	0.0
183	10/19/2022 11:18:29	0.0	0.0	0.0	0.0
184	10/19/2022 11:19:29	0.0	0.0	0.0	0.0
185	10/19/2022 11:20:29	0.0	0.0	0.0	0.0
186	10/19/2022 11:21:29	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.2	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/19/2022 08:16:29	0.0	---
002	10/19/2022 08:17:29	0.0	---
003	10/19/2022 08:18:29	0.0	---
004	10/19/2022 08:19:29	0.0	---
005	10/19/2022 08:20:29	0.0	---
006	10/19/2022 08:21:29	0.0	---
007	10/19/2022 08:22:29	0.0	---
008	10/19/2022 08:23:29	0.0	---
009	10/19/2022 08:24:29	0.0	---
010	10/19/2022 08:25:29	0.0	---
011	10/19/2022 08:26:29	0.0	---
012	10/19/2022 08:27:29	0.0	---
013	10/19/2022 08:28:29	0.0	---
014	10/19/2022 08:29:29	0.0	---
015	10/19/2022 08:30:29	0.0	0.0
016	10/19/2022 08:31:29	0.0	0.0
017	10/19/2022 08:32:29	0.0	0.0
018	10/19/2022 08:33:29	0.0	0.0
019	10/19/2022 08:34:29	0.0	0.0
020	10/19/2022 08:35:29	0.0	0.0
021	10/19/2022 08:36:29	0.0	0.0
022	10/19/2022 08:37:29	0.0	0.0
023	10/19/2022 08:38:29	0.0	0.0
024	10/19/2022 08:39:29	0.0	0.0
025	10/19/2022 08:40:29	0.0	0.0
026	10/19/2022 08:41:29	0.0	0.0
027	10/19/2022 08:42:29	0.0	0.0
028	10/19/2022 08:43:29	0.0	0.0
029	10/19/2022 08:44:29	0.0	0.0
030	10/19/2022 08:45:29	0.0	0.0
031	10/19/2022 08:46:29	0.0	0.0
032	10/19/2022 08:47:29	0.0	0.0
033	10/19/2022 08:48:29	0.0	0.0
034	10/19/2022 08:49:29	0.0	0.0
035	10/19/2022 08:50:29	0.0	0.0
036	10/19/2022 08:51:29	0.0	0.0
037	10/19/2022 08:52:29	0.0	0.0
038	10/19/2022 08:53:29	0.0	0.0
039	10/19/2022 08:54:29	0.0	0.0
040	10/19/2022 08:55:29	0.0	0.0
041	10/19/2022 08:56:29	0.0	0.0
042	10/19/2022 08:57:29	0.0	0.0
043	10/19/2022 08:58:29	0.0	0.0
044	10/19/2022 08:59:29	0.0	0.0
045	10/19/2022 09:00:29	0.0	0.0
046	10/19/2022 09:01:29	0.0	0.0
047	10/19/2022 09:02:29	0.0	0.0
048	10/19/2022 09:03:29	0.0	0.0
049	10/19/2022 09:04:29	0.0	0.0
050	10/19/2022 09:05:29	0.0	0.0
051	10/19/2022 09:06:29	0.0	0.0
052	10/19/2022 09:07:29	0.0	0.0
053	10/19/2022 09:08:29	0.0	0.0
054	10/19/2022 09:09:29	0.0	0.0
055	10/19/2022 09:10:29	0.0	0.0
056	10/19/2022 09:11:29	0.0	0.0
057	10/19/2022 09:12:29	0.0	0.0
058	10/19/2022 09:13:29	0.0	0.0
059	10/19/2022 09:14:29	0.0	0.0
060	10/19/2022 09:15:29	0.0	0.0
061	10/19/2022 09:16:29	0.0	0.0

062	10/19/2022 09:17:29	0.0	0.0
063	10/19/2022 09:18:29	0.0	0.0
064	10/19/2022 09:19:29	0.0	0.0
065	10/19/2022 09:20:29	0.0	0.0
066	10/19/2022 09:21:29	0.0	0.0
067	10/19/2022 09:22:29	0.0	0.0
068	10/19/2022 09:23:29	0.0	0.0
069	10/19/2022 09:24:29	0.0	0.0
070	10/19/2022 09:25:29	0.0	0.0
071	10/19/2022 09:26:29	0.0	0.0
072	10/19/2022 09:27:29	0.0	0.0
073	10/19/2022 09:28:29	0.0	0.0
074	10/19/2022 09:29:29	0.0	0.0
075	10/19/2022 09:30:29	0.0	0.0
076	10/19/2022 09:31:29	0.0	0.0
077	10/19/2022 09:32:29	0.0	0.0
078	10/19/2022 09:33:29	0.0	0.0
079	10/19/2022 09:34:29	0.0	0.0
080	10/19/2022 09:35:29	0.0	0.0
081	10/19/2022 09:36:29	0.0	0.0
082	10/19/2022 09:37:29	0.0	0.0
083	10/19/2022 09:38:29	0.0	0.0
084	10/19/2022 09:39:29	0.0	0.0
085	10/19/2022 09:40:29	0.0	0.0
086	10/19/2022 09:41:29	0.0	0.0
087	10/19/2022 09:42:29	0.0	0.0
088	10/19/2022 09:43:29	0.0	0.0
089	10/19/2022 09:44:29	0.0	0.0
090	10/19/2022 09:45:29	0.0	0.0
091	10/19/2022 09:46:29	0.0	0.0
092	10/19/2022 09:47:29	0.0	0.0
093	10/19/2022 09:48:29	0.0	0.0
094	10/19/2022 09:49:29	0.0	0.0
095	10/19/2022 09:50:29	0.0	0.0
096	10/19/2022 09:51:29	0.0	0.0
097	10/19/2022 09:52:29	0.0	0.0
098	10/19/2022 09:53:29	0.0	0.0
099	10/19/2022 09:54:29	0.0	0.0
100	10/19/2022 09:55:29	0.0	0.0
101	10/19/2022 09:56:29	0.0	0.0
102	10/19/2022 09:57:29	0.0	0.0
103	10/19/2022 09:58:29	0.0	0.0
104	10/19/2022 09:59:29	0.0	0.0
105	10/19/2022 10:00:29	0.0	0.0
106	10/19/2022 10:01:29	0.0	0.0
107	10/19/2022 10:02:29	0.0	0.0
108	10/19/2022 10:03:29	0.0	0.0
109	10/19/2022 10:04:29	0.0	0.0
110	10/19/2022 10:05:29	0.0	0.0
111	10/19/2022 10:06:29	0.0	0.0
112	10/19/2022 10:07:29	0.0	0.0
113	10/19/2022 10:08:29	0.0	0.0
114	10/19/2022 10:09:29	0.0	0.0
115	10/19/2022 10:10:29	0.0	0.0
116	10/19/2022 10:11:29	0.0	0.0
117	10/19/2022 10:12:29	0.0	0.0
118	10/19/2022 10:13:29	0.0	0.0
119	10/19/2022 10:14:29	0.0	0.0
120	10/19/2022 10:15:29	0.0	0.0
121	10/19/2022 10:16:29	0.0	0.0
122	10/19/2022 10:17:29	0.0	0.0
123	10/19/2022 10:18:29	0.0	0.0
124	10/19/2022 10:19:29	0.0	0.0
125	10/19/2022 10:20:29	0.0	0.0
126	10/19/2022 10:21:29	0.0	0.0

127	10/19/2022 10:22:29	0.0	0.0
128	10/19/2022 10:23:29	0.0	0.0
129	10/19/2022 10:24:29	0.0	0.0
130	10/19/2022 10:25:29	0.0	0.0
131	10/19/2022 10:26:29	0.0	0.0
132	10/19/2022 10:27:29	0.0	0.0
133	10/19/2022 10:28:29	0.0	0.0
134	10/19/2022 10:29:29	0.0	0.0
135	10/19/2022 10:30:29	0.0	0.0
136	10/19/2022 10:31:29	0.0	0.0
137	10/19/2022 10:32:29	0.0	0.0
138	10/19/2022 10:33:29	0.0	0.0
139	10/19/2022 10:34:29	0.0	0.0
140	10/19/2022 10:35:29	0.0	0.0
141	10/19/2022 10:36:29	0.0	0.0
142	10/19/2022 10:37:29	0.0	0.0
143	10/19/2022 10:38:29	0.0	0.0
144	10/19/2022 10:39:29	0.0	0.0
145	10/19/2022 10:40:29	0.0	0.0
146	10/19/2022 10:41:29	0.0	0.0
147	10/19/2022 10:42:29	0.0	0.0
148	10/19/2022 10:43:29	0.0	0.0
149	10/19/2022 10:44:29	0.0	0.0
150	10/19/2022 10:45:29	0.0	0.0
151	10/19/2022 10:46:29	0.0	0.0
152	10/19/2022 10:47:29	0.0	0.0
153	10/19/2022 10:48:29	0.0	0.0
154	10/19/2022 10:49:29	0.0	0.0
155	10/19/2022 10:50:29	0.0	0.0
156	10/19/2022 10:51:29	0.0	0.0
157	10/19/2022 10:52:29	0.0	0.0
158	10/19/2022 10:53:29	0.0	0.0
159	10/19/2022 10:54:29	0.0	0.0
160	10/19/2022 10:55:29	0.0	0.0
161	10/19/2022 10:56:29	0.0	0.0
162	10/19/2022 10:57:29	0.0	0.0
163	10/19/2022 10:58:29	0.0	0.0
164	10/19/2022 10:59:29	0.0	0.0
165	10/19/2022 11:00:29	0.0	0.0
166	10/19/2022 11:01:29	0.0	0.0
167	10/19/2022 11:02:29	0.0	0.0
168	10/19/2022 11:03:29	0.0	0.0
169	10/19/2022 11:04:29	0.0	0.0
170	10/19/2022 11:05:29	0.0	0.0
171	10/19/2022 11:06:29	0.0	0.0
172	10/19/2022 11:07:29	0.0	0.0
173	10/19/2022 11:08:29	0.0	0.0
174	10/19/2022 11:09:29	0.0	0.0
175	10/19/2022 11:10:29	0.0	0.0
176	10/19/2022 11:11:29	0.0	0.0
177	10/19/2022 11:12:29	0.0	0.0
178	10/19/2022 11:13:29	0.0	0.0
179	10/19/2022 11:14:29	0.0	0.0
180	10/19/2022 11:15:29	0.0	0.0
181	10/19/2022 11:16:29	0.0	0.0
182	10/19/2022 11:17:29	0.0	0.0
183	10/19/2022 11:18:29	0.0	0.0
184	10/19/2022 11:19:29	0.0	0.0
185	10/19/2022 11:20:29	0.0	0.0
186	10/19/2022 11:21:29	0.0	0.0

Datalog

Current Event:22/10/19 08:15

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-602252
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/19/2022 08:15:29
End	10/19/2022 11:21:45
Sample Period(s)	60
Number of Records	186

Sensor	PID(ppm)
Sensor SN	S023030133B5
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:06
Peak	0.0
Min	0.0
Average	0.0

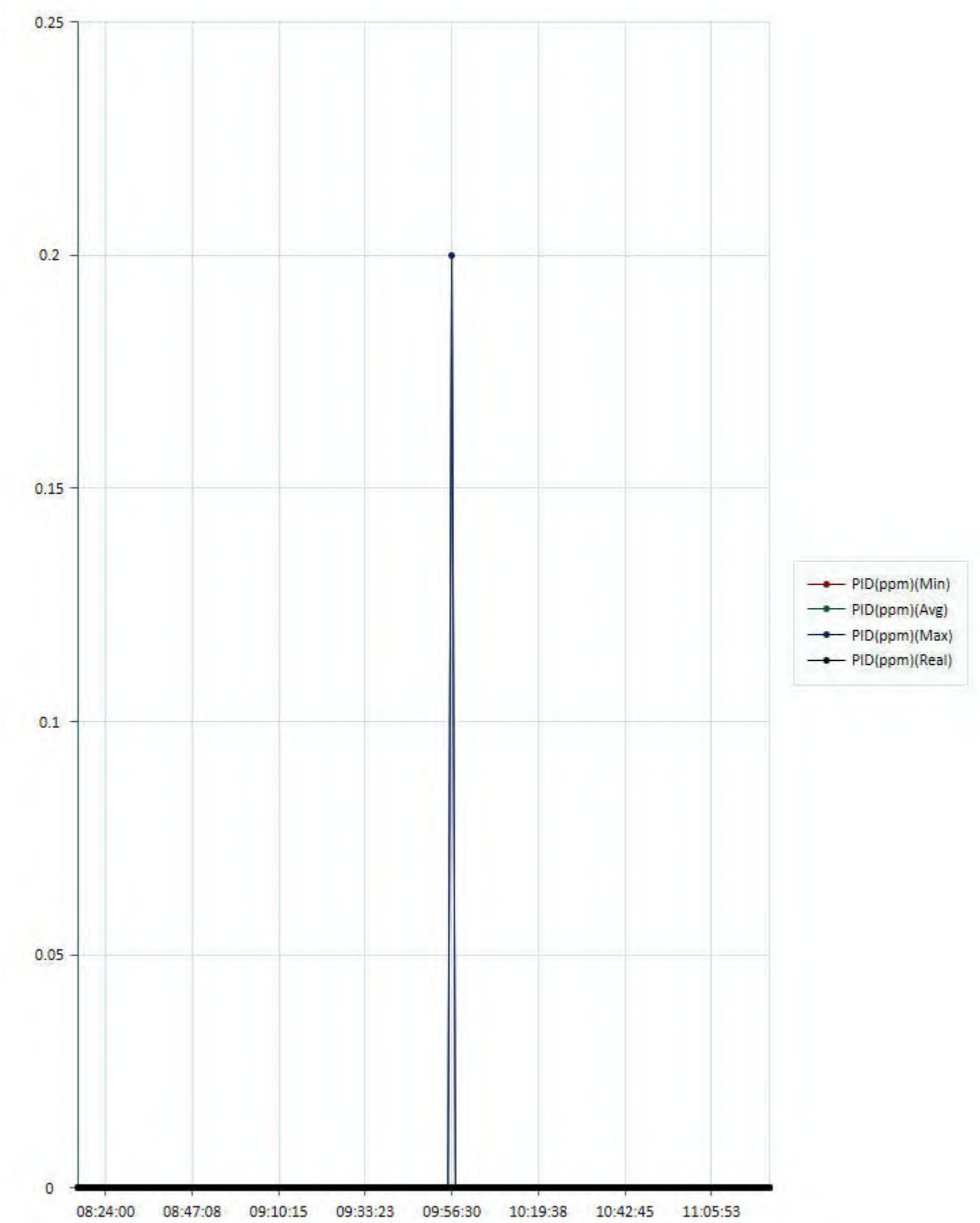
Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/19/2022 08:16:29	0.0	0.0	0.0	0.0
002	10/19/2022 08:17:29	0.0	0.0	0.0	0.0
003	10/19/2022 08:18:29	0.0	0.0	0.0	0.0
004	10/19/2022 08:19:29	0.0	0.0	0.0	0.0
005	10/19/2022 08:20:29	0.0	0.0	0.0	0.0
006	10/19/2022 08:21:29	0.0	0.0	0.0	0.0
007	10/19/2022 08:22:29	0.0	0.0	0.0	0.0
008	10/19/2022 08:23:29	0.0	0.0	0.0	0.0
009	10/19/2022 08:24:29	0.0	0.0	0.0	0.0
010	10/19/2022 08:25:29	0.0	0.0	0.0	0.0
011	10/19/2022 08:26:29	0.0	0.0	0.0	0.0
012	10/19/2022 08:27:29	0.0	0.0	0.0	0.0
013	10/19/2022 08:28:29	0.0	0.0	0.0	0.0
014	10/19/2022 08:29:29	0.0	0.0	0.0	0.0
015	10/19/2022 08:30:29	0.0	0.0	0.0	0.0
016	10/19/2022 08:31:29	0.0	0.0	0.0	0.0
017	10/19/2022 08:32:29	0.0	0.0	0.0	0.0
018	10/19/2022 08:33:29	0.0	0.0	0.0	0.0
019	10/19/2022 08:34:29	0.0	0.0	0.0	0.0
020	10/19/2022 08:35:29	0.0	0.0	0.0	0.0
021	10/19/2022 08:36:29	0.0	0.0	0.0	0.0
022	10/19/2022 08:37:29	0.0	0.0	0.0	0.0
023	10/19/2022 08:38:29	0.0	0.0	0.0	0.0
024	10/19/2022 08:39:29	0.0	0.0	0.0	0.0
025	10/19/2022 08:40:29	0.0	0.0	0.0	0.0
026	10/19/2022 08:41:29	0.0	0.0	0.0	0.0
027	10/19/2022 08:42:29	0.0	0.0	0.0	0.0
028	10/19/2022 08:43:29	0.0	0.0	0.0	0.0
029	10/19/2022 08:44:29	0.0	0.0	0.0	0.0
030	10/19/2022 08:45:29	0.0	0.0	0.0	0.0
031	10/19/2022 08:46:29	0.0	0.0	0.0	0.0
032	10/19/2022 08:47:29	0.0	0.0	0.0	0.0
033	10/19/2022 08:48:29	0.0	0.0	0.0	0.0
034	10/19/2022 08:49:29	0.0	0.0	0.0	0.0
035	10/19/2022 08:50:29	0.0	0.0	0.0	0.0
036	10/19/2022 08:51:29	0.0	0.0	0.0	0.0
037	10/19/2022 08:52:29	0.0	0.0	0.0	0.0
038	10/19/2022 08:53:29	0.0	0.0	0.0	0.0
039	10/19/2022 08:54:29	0.0	0.0	0.0	0.0
040	10/19/2022 08:55:29	0.0	0.0	0.0	0.0
041	10/19/2022 08:56:29	0.0	0.0	0.0	0.0
042	10/19/2022 08:57:29	0.0	0.0	0.0	0.0
043	10/19/2022 08:58:29	0.0	0.0	0.0	0.0
044	10/19/2022 08:59:29	0.0	0.0	0.0	0.0
045	10/19/2022 09:00:29	0.0	0.0	0.0	0.0
046	10/19/2022 09:01:29	0.0	0.0	0.0	0.0
047	10/19/2022 09:02:29	0.0	0.0	0.0	0.0
048	10/19/2022 09:03:29	0.0	0.0	0.0	0.0
049	10/19/2022 09:04:29	0.0	0.0	0.0	0.0
050	10/19/2022 09:05:29	0.0	0.0	0.0	0.0
051	10/19/2022 09:06:29	0.0	0.0	0.0	0.0
052	10/19/2022 09:07:29	0.0	0.0	0.0	0.0
053	10/19/2022 09:08:29	0.0	0.0	0.0	0.0
054	10/19/2022 09:09:29	0.0	0.0	0.0	0.0
055	10/19/2022 09:10:29	0.0	0.0	0.0	0.0
056	10/19/2022 09:11:29	0.0	0.0	0.0	0.0
057	10/19/2022 09:12:29	0.0	0.0	0.0	0.0
058	10/19/2022 09:13:29	0.0	0.0	0.0	0.0
059	10/19/2022 09:14:29	0.0	0.0	0.0	0.0
060	10/19/2022 09:15:29	0.0	0.0	0.0	0.0
061	10/19/2022 09:16:29	0.0	0.0	0.0	0.0

062	10/19/2022 09:17:29	0.0	0.0	0.0	0.0
063	10/19/2022 09:18:29	0.0	0.0	0.0	0.0
064	10/19/2022 09:19:29	0.0	0.0	0.0	0.0
065	10/19/2022 09:20:29	0.0	0.0	0.0	0.0
066	10/19/2022 09:21:29	0.0	0.0	0.0	0.0
067	10/19/2022 09:22:29	0.0	0.0	0.0	0.0
068	10/19/2022 09:23:29	0.0	0.0	0.0	0.0
069	10/19/2022 09:24:29	0.0	0.0	0.0	0.0
070	10/19/2022 09:25:29	0.0	0.0	0.0	0.0
071	10/19/2022 09:26:29	0.0	0.0	0.0	0.0
072	10/19/2022 09:27:29	0.0	0.0	0.0	0.0
073	10/19/2022 09:28:29	0.0	0.0	0.0	0.0
074	10/19/2022 09:29:29	0.0	0.0	0.0	0.0
075	10/19/2022 09:30:29	0.0	0.0	0.0	0.0
076	10/19/2022 09:31:29	0.0	0.0	0.0	0.0
077	10/19/2022 09:32:29	0.0	0.0	0.0	0.0
078	10/19/2022 09:33:29	0.0	0.0	0.0	0.0
079	10/19/2022 09:34:29	0.0	0.0	0.0	0.0
080	10/19/2022 09:35:29	0.0	0.0	0.0	0.0
081	10/19/2022 09:36:29	0.0	0.0	0.0	0.0
082	10/19/2022 09:37:29	0.0	0.0	0.0	0.0
083	10/19/2022 09:38:29	0.0	0.0	0.0	0.0
084	10/19/2022 09:39:29	0.0	0.0	0.0	0.0
085	10/19/2022 09:40:29	0.0	0.0	0.0	0.0
086	10/19/2022 09:41:29	0.0	0.0	0.0	0.0
087	10/19/2022 09:42:29	0.0	0.0	0.0	0.0
088	10/19/2022 09:43:29	0.0	0.0	0.0	0.0
089	10/19/2022 09:44:29	0.0	0.0	0.0	0.0
090	10/19/2022 09:45:29	0.0	0.0	0.0	0.0
091	10/19/2022 09:46:29	0.0	0.0	0.0	0.0
092	10/19/2022 09:47:29	0.0	0.0	0.0	0.0
093	10/19/2022 09:48:29	0.0	0.0	0.0	0.0
094	10/19/2022 09:49:29	0.0	0.0	0.0	0.0
095	10/19/2022 09:50:29	0.0	0.0	0.0	0.0
096	10/19/2022 09:51:29	0.0	0.0	0.0	0.0
097	10/19/2022 09:52:29	0.0	0.0	0.0	0.0
098	10/19/2022 09:53:29	0.0	0.0	0.0	0.0
099	10/19/2022 09:54:29	0.0	0.0	0.0	0.0
100	10/19/2022 09:55:29	0.0	0.0	0.0	0.0
101	10/19/2022 09:56:29	0.0	0.0	0.2	0.0
102	10/19/2022 09:57:29	0.0	0.0	0.0	0.0
103	10/19/2022 09:58:29	0.0	0.0	0.0	0.0
104	10/19/2022 09:59:29	0.0	0.0	0.0	0.0
105	10/19/2022 10:00:29	0.0	0.0	0.0	0.0
106	10/19/2022 10:01:29	0.0	0.0	0.0	0.0
107	10/19/2022 10:02:29	0.0	0.0	0.0	0.0
108	10/19/2022 10:03:29	0.0	0.0	0.0	0.0
109	10/19/2022 10:04:29	0.0	0.0	0.0	0.0
110	10/19/2022 10:05:29	0.0	0.0	0.0	0.0
111	10/19/2022 10:06:29	0.0	0.0	0.0	0.0
112	10/19/2022 10:07:29	0.0	0.0	0.0	0.0
113	10/19/2022 10:08:29	0.0	0.0	0.0	0.0
114	10/19/2022 10:09:29	0.0	0.0	0.0	0.0
115	10/19/2022 10:10:29	0.0	0.0	0.0	0.0
116	10/19/2022 10:11:29	0.0	0.0	0.0	0.0
117	10/19/2022 10:12:29	0.0	0.0	0.0	0.0
118	10/19/2022 10:13:29	0.0	0.0	0.0	0.0
119	10/19/2022 10:14:29	0.0	0.0	0.0	0.0
120	10/19/2022 10:15:29	0.0	0.0	0.0	0.0
121	10/19/2022 10:16:29	0.0	0.0	0.0	0.0
122	10/19/2022 10:17:29	0.0	0.0	0.0	0.0
123	10/19/2022 10:18:29	0.0	0.0	0.0	0.0
124	10/19/2022 10:19:29	0.0	0.0	0.0	0.0
125	10/19/2022 10:20:29	0.0	0.0	0.0	0.0
126	10/19/2022 10:21:29	0.0	0.0	0.0	0.0

127	10/19/2022 10:22:29	0.0	0.0	0.0	0.0
128	10/19/2022 10:23:29	0.0	0.0	0.0	0.0
129	10/19/2022 10:24:29	0.0	0.0	0.0	0.0
130	10/19/2022 10:25:29	0.0	0.0	0.0	0.0
131	10/19/2022 10:26:29	0.0	0.0	0.0	0.0
132	10/19/2022 10:27:29	0.0	0.0	0.0	0.0
133	10/19/2022 10:28:29	0.0	0.0	0.0	0.0
134	10/19/2022 10:29:29	0.0	0.0	0.0	0.0
135	10/19/2022 10:30:29	0.0	0.0	0.0	0.0
136	10/19/2022 10:31:29	0.0	0.0	0.0	0.0
137	10/19/2022 10:32:29	0.0	0.0	0.0	0.0
138	10/19/2022 10:33:29	0.0	0.0	0.0	0.0
139	10/19/2022 10:34:29	0.0	0.0	0.0	0.0
140	10/19/2022 10:35:29	0.0	0.0	0.0	0.0
141	10/19/2022 10:36:29	0.0	0.0	0.0	0.0
142	10/19/2022 10:37:29	0.0	0.0	0.0	0.0
143	10/19/2022 10:38:29	0.0	0.0	0.0	0.0
144	10/19/2022 10:39:29	0.0	0.0	0.0	0.0
145	10/19/2022 10:40:29	0.0	0.0	0.0	0.0
146	10/19/2022 10:41:29	0.0	0.0	0.0	0.0
147	10/19/2022 10:42:29	0.0	0.0	0.0	0.0
148	10/19/2022 10:43:29	0.0	0.0	0.0	0.0
149	10/19/2022 10:44:29	0.0	0.0	0.0	0.0
150	10/19/2022 10:45:29	0.0	0.0	0.0	0.0
151	10/19/2022 10:46:29	0.0	0.0	0.0	0.0
152	10/19/2022 10:47:29	0.0	0.0	0.0	0.0
153	10/19/2022 10:48:29	0.0	0.0	0.0	0.0
154	10/19/2022 10:49:29	0.0	0.0	0.0	0.0
155	10/19/2022 10:50:29	0.0	0.0	0.0	0.0
156	10/19/2022 10:51:29	0.0	0.0	0.0	0.0
157	10/19/2022 10:52:29	0.0	0.0	0.0	0.0
158	10/19/2022 10:53:29	0.0	0.0	0.0	0.0
159	10/19/2022 10:54:29	0.0	0.0	0.0	0.0
160	10/19/2022 10:55:29	0.0	0.0	0.0	0.0
161	10/19/2022 10:56:29	0.0	0.0	0.0	0.0
162	10/19/2022 10:57:29	0.0	0.0	0.0	0.0
163	10/19/2022 10:58:29	0.0	0.0	0.0	0.0
164	10/19/2022 10:59:29	0.0	0.0	0.0	0.0
165	10/19/2022 11:00:29	0.0	0.0	0.0	0.0
166	10/19/2022 11:01:29	0.0	0.0	0.0	0.0
167	10/19/2022 11:02:29	0.0	0.0	0.0	0.0
168	10/19/2022 11:03:29	0.0	0.0	0.0	0.0
169	10/19/2022 11:04:29	0.0	0.0	0.0	0.0
170	10/19/2022 11:05:29	0.0	0.0	0.0	0.0
171	10/19/2022 11:06:29	0.0	0.0	0.0	0.0
172	10/19/2022 11:07:29	0.0	0.0	0.0	0.0
173	10/19/2022 11:08:29	0.0	0.0	0.0	0.0
174	10/19/2022 11:09:29	0.0	0.0	0.0	0.0
175	10/19/2022 11:10:29	0.0	0.0	0.0	0.0
176	10/19/2022 11:11:29	0.0	0.0	0.0	0.0
177	10/19/2022 11:12:29	0.0	0.0	0.0	0.0
178	10/19/2022 11:13:29	0.0	0.0	0.0	0.0
179	10/19/2022 11:14:29	0.0	0.0	0.0	0.0
180	10/19/2022 11:15:29	0.0	0.0	0.0	0.0
181	10/19/2022 11:16:29	0.0	0.0	0.0	0.0
182	10/19/2022 11:17:29	0.0	0.0	0.0	0.0
183	10/19/2022 11:18:29	0.0	0.0	0.0	0.0
184	10/19/2022 11:19:29	0.0	0.0	0.0	0.0
185	10/19/2022 11:20:29	0.0	0.0	0.0	0.0
186	10/19/2022 11:21:29	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.2	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/19/2022 08:16:29	0.0	---
002	10/19/2022 08:17:29	0.0	---
003	10/19/2022 08:18:29	0.0	---
004	10/19/2022 08:19:29	0.0	---
005	10/19/2022 08:20:29	0.0	---
006	10/19/2022 08:21:29	0.0	---
007	10/19/2022 08:22:29	0.0	---
008	10/19/2022 08:23:29	0.0	---
009	10/19/2022 08:24:29	0.0	---
010	10/19/2022 08:25:29	0.0	---
011	10/19/2022 08:26:29	0.0	---
012	10/19/2022 08:27:29	0.0	---
013	10/19/2022 08:28:29	0.0	---
014	10/19/2022 08:29:29	0.0	---
015	10/19/2022 08:30:29	0.0	0.0
016	10/19/2022 08:31:29	0.0	0.0
017	10/19/2022 08:32:29	0.0	0.0
018	10/19/2022 08:33:29	0.0	0.0
019	10/19/2022 08:34:29	0.0	0.0
020	10/19/2022 08:35:29	0.0	0.0
021	10/19/2022 08:36:29	0.0	0.0
022	10/19/2022 08:37:29	0.0	0.0
023	10/19/2022 08:38:29	0.0	0.0
024	10/19/2022 08:39:29	0.0	0.0
025	10/19/2022 08:40:29	0.0	0.0
026	10/19/2022 08:41:29	0.0	0.0
027	10/19/2022 08:42:29	0.0	0.0
028	10/19/2022 08:43:29	0.0	0.0
029	10/19/2022 08:44:29	0.0	0.0
030	10/19/2022 08:45:29	0.0	0.0
031	10/19/2022 08:46:29	0.0	0.0
032	10/19/2022 08:47:29	0.0	0.0
033	10/19/2022 08:48:29	0.0	0.0
034	10/19/2022 08:49:29	0.0	0.0
035	10/19/2022 08:50:29	0.0	0.0
036	10/19/2022 08:51:29	0.0	0.0
037	10/19/2022 08:52:29	0.0	0.0
038	10/19/2022 08:53:29	0.0	0.0
039	10/19/2022 08:54:29	0.0	0.0
040	10/19/2022 08:55:29	0.0	0.0
041	10/19/2022 08:56:29	0.0	0.0
042	10/19/2022 08:57:29	0.0	0.0
043	10/19/2022 08:58:29	0.0	0.0
044	10/19/2022 08:59:29	0.0	0.0
045	10/19/2022 09:00:29	0.0	0.0
046	10/19/2022 09:01:29	0.0	0.0
047	10/19/2022 09:02:29	0.0	0.0
048	10/19/2022 09:03:29	0.0	0.0
049	10/19/2022 09:04:29	0.0	0.0
050	10/19/2022 09:05:29	0.0	0.0
051	10/19/2022 09:06:29	0.0	0.0
052	10/19/2022 09:07:29	0.0	0.0
053	10/19/2022 09:08:29	0.0	0.0
054	10/19/2022 09:09:29	0.0	0.0
055	10/19/2022 09:10:29	0.0	0.0
056	10/19/2022 09:11:29	0.0	0.0
057	10/19/2022 09:12:29	0.0	0.0
058	10/19/2022 09:13:29	0.0	0.0
059	10/19/2022 09:14:29	0.0	0.0
060	10/19/2022 09:15:29	0.0	0.0
061	10/19/2022 09:16:29	0.0	0.0

062	10/19/2022 09:17:29	0.0	0.0
063	10/19/2022 09:18:29	0.0	0.0
064	10/19/2022 09:19:29	0.0	0.0
065	10/19/2022 09:20:29	0.0	0.0
066	10/19/2022 09:21:29	0.0	0.0
067	10/19/2022 09:22:29	0.0	0.0
068	10/19/2022 09:23:29	0.0	0.0
069	10/19/2022 09:24:29	0.0	0.0
070	10/19/2022 09:25:29	0.0	0.0
071	10/19/2022 09:26:29	0.0	0.0
072	10/19/2022 09:27:29	0.0	0.0
073	10/19/2022 09:28:29	0.0	0.0
074	10/19/2022 09:29:29	0.0	0.0
075	10/19/2022 09:30:29	0.0	0.0
076	10/19/2022 09:31:29	0.0	0.0
077	10/19/2022 09:32:29	0.0	0.0
078	10/19/2022 09:33:29	0.0	0.0
079	10/19/2022 09:34:29	0.0	0.0
080	10/19/2022 09:35:29	0.0	0.0
081	10/19/2022 09:36:29	0.0	0.0
082	10/19/2022 09:37:29	0.0	0.0
083	10/19/2022 09:38:29	0.0	0.0
084	10/19/2022 09:39:29	0.0	0.0
085	10/19/2022 09:40:29	0.0	0.0
086	10/19/2022 09:41:29	0.0	0.0
087	10/19/2022 09:42:29	0.0	0.0
088	10/19/2022 09:43:29	0.0	0.0
089	10/19/2022 09:44:29	0.0	0.0
090	10/19/2022 09:45:29	0.0	0.0
091	10/19/2022 09:46:29	0.0	0.0
092	10/19/2022 09:47:29	0.0	0.0
093	10/19/2022 09:48:29	0.0	0.0
094	10/19/2022 09:49:29	0.0	0.0
095	10/19/2022 09:50:29	0.0	0.0
096	10/19/2022 09:51:29	0.0	0.0
097	10/19/2022 09:52:29	0.0	0.0
098	10/19/2022 09:53:29	0.0	0.0
099	10/19/2022 09:54:29	0.0	0.0
100	10/19/2022 09:55:29	0.0	0.0
101	10/19/2022 09:56:29	0.0	0.0
102	10/19/2022 09:57:29	0.0	0.0
103	10/19/2022 09:58:29	0.0	0.0
104	10/19/2022 09:59:29	0.0	0.0
105	10/19/2022 10:00:29	0.0	0.0
106	10/19/2022 10:01:29	0.0	0.0
107	10/19/2022 10:02:29	0.0	0.0
108	10/19/2022 10:03:29	0.0	0.0
109	10/19/2022 10:04:29	0.0	0.0
110	10/19/2022 10:05:29	0.0	0.0
111	10/19/2022 10:06:29	0.0	0.0
112	10/19/2022 10:07:29	0.0	0.0
113	10/19/2022 10:08:29	0.0	0.0
114	10/19/2022 10:09:29	0.0	0.0
115	10/19/2022 10:10:29	0.0	0.0
116	10/19/2022 10:11:29	0.0	0.0
117	10/19/2022 10:12:29	0.0	0.0
118	10/19/2022 10:13:29	0.0	0.0
119	10/19/2022 10:14:29	0.0	0.0
120	10/19/2022 10:15:29	0.0	0.0
121	10/19/2022 10:16:29	0.0	0.0
122	10/19/2022 10:17:29	0.0	0.0
123	10/19/2022 10:18:29	0.0	0.0
124	10/19/2022 10:19:29	0.0	0.0
125	10/19/2022 10:20:29	0.0	0.0
126	10/19/2022 10:21:29	0.0	0.0

127	10/19/2022 10:22:29	0.0	0.0
128	10/19/2022 10:23:29	0.0	0.0
129	10/19/2022 10:24:29	0.0	0.0
130	10/19/2022 10:25:29	0.0	0.0
131	10/19/2022 10:26:29	0.0	0.0
132	10/19/2022 10:27:29	0.0	0.0
133	10/19/2022 10:28:29	0.0	0.0
134	10/19/2022 10:29:29	0.0	0.0
135	10/19/2022 10:30:29	0.0	0.0
136	10/19/2022 10:31:29	0.0	0.0
137	10/19/2022 10:32:29	0.0	0.0
138	10/19/2022 10:33:29	0.0	0.0
139	10/19/2022 10:34:29	0.0	0.0
140	10/19/2022 10:35:29	0.0	0.0
141	10/19/2022 10:36:29	0.0	0.0
142	10/19/2022 10:37:29	0.0	0.0
143	10/19/2022 10:38:29	0.0	0.0
144	10/19/2022 10:39:29	0.0	0.0
145	10/19/2022 10:40:29	0.0	0.0
146	10/19/2022 10:41:29	0.0	0.0
147	10/19/2022 10:42:29	0.0	0.0
148	10/19/2022 10:43:29	0.0	0.0
149	10/19/2022 10:44:29	0.0	0.0
150	10/19/2022 10:45:29	0.0	0.0
151	10/19/2022 10:46:29	0.0	0.0
152	10/19/2022 10:47:29	0.0	0.0
153	10/19/2022 10:48:29	0.0	0.0
154	10/19/2022 10:49:29	0.0	0.0
155	10/19/2022 10:50:29	0.0	0.0
156	10/19/2022 10:51:29	0.0	0.0
157	10/19/2022 10:52:29	0.0	0.0
158	10/19/2022 10:53:29	0.0	0.0
159	10/19/2022 10:54:29	0.0	0.0
160	10/19/2022 10:55:29	0.0	0.0
161	10/19/2022 10:56:29	0.0	0.0
162	10/19/2022 10:57:29	0.0	0.0
163	10/19/2022 10:58:29	0.0	0.0
164	10/19/2022 10:59:29	0.0	0.0
165	10/19/2022 11:00:29	0.0	0.0
166	10/19/2022 11:01:29	0.0	0.0
167	10/19/2022 11:02:29	0.0	0.0
168	10/19/2022 11:03:29	0.0	0.0
169	10/19/2022 11:04:29	0.0	0.0
170	10/19/2022 11:05:29	0.0	0.0
171	10/19/2022 11:06:29	0.0	0.0
172	10/19/2022 11:07:29	0.0	0.0
173	10/19/2022 11:08:29	0.0	0.0
174	10/19/2022 11:09:29	0.0	0.0
175	10/19/2022 11:10:29	0.0	0.0
176	10/19/2022 11:11:29	0.0	0.0
177	10/19/2022 11:12:29	0.0	0.0
178	10/19/2022 11:13:29	0.0	0.0
179	10/19/2022 11:14:29	0.0	0.0
180	10/19/2022 11:15:29	0.0	0.0
181	10/19/2022 11:16:29	0.0	0.0
182	10/19/2022 11:17:29	0.0	0.0
183	10/19/2022 11:18:29	0.0	0.0
184	10/19/2022 11:19:29	0.0	0.0
185	10/19/2022 11:20:29	0.0	0.0
186	10/19/2022 11:21:29	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171404
Firmware Version	3.1
Calibration Date	2/21/2022
Test Name	MANUAL_005
Test Start Time	8:11:24 AM
Test Start Date	10/19/2022
Test Length [D:H:M]	0:03:00
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.027
Mass Minimum [mg/m3]	0.011
Mass Maximum [mg/m3]	0.053
Mass TWA [mg/m3]	0.01
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	36

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.053		
600	0.028		
900	0.029		
1200	0.026		
1500	0.026		
1800	0.035		
2100	0.033		
2400	0.043		
2700	0.042		
3000	0.034		
3300	0.034		
3600	0.033		
3900	0.018		
4200	0.031		
4500	0.028		
4800	0.022		
5100	0.024		
5400	0.029		
5700	0.031		
6000	0.019		
6300	0.032		
6600	0.032		
6900	0.033		
7200	0.034		
7500	0.023		
7800	0.019		
8100	0.025		

8400	0.021
8700	0.014
9000	0.017
9300	0.011
9600	0.021
9900	0.013
10200	0.018
10500	0.019
10800	0.014

Datalog

Current Event:22/10/19 08:15

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927732
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	10/19/2022 08:15:26
End	10/19/2022 11:21:47
Sample Period(s)	60
Number of Records	186

Sensor	PID(ppm)
Sensor SN	S023030308W4
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	10/7/2022 10:02
Peak	0.1
Min	0.0
Average	0.0

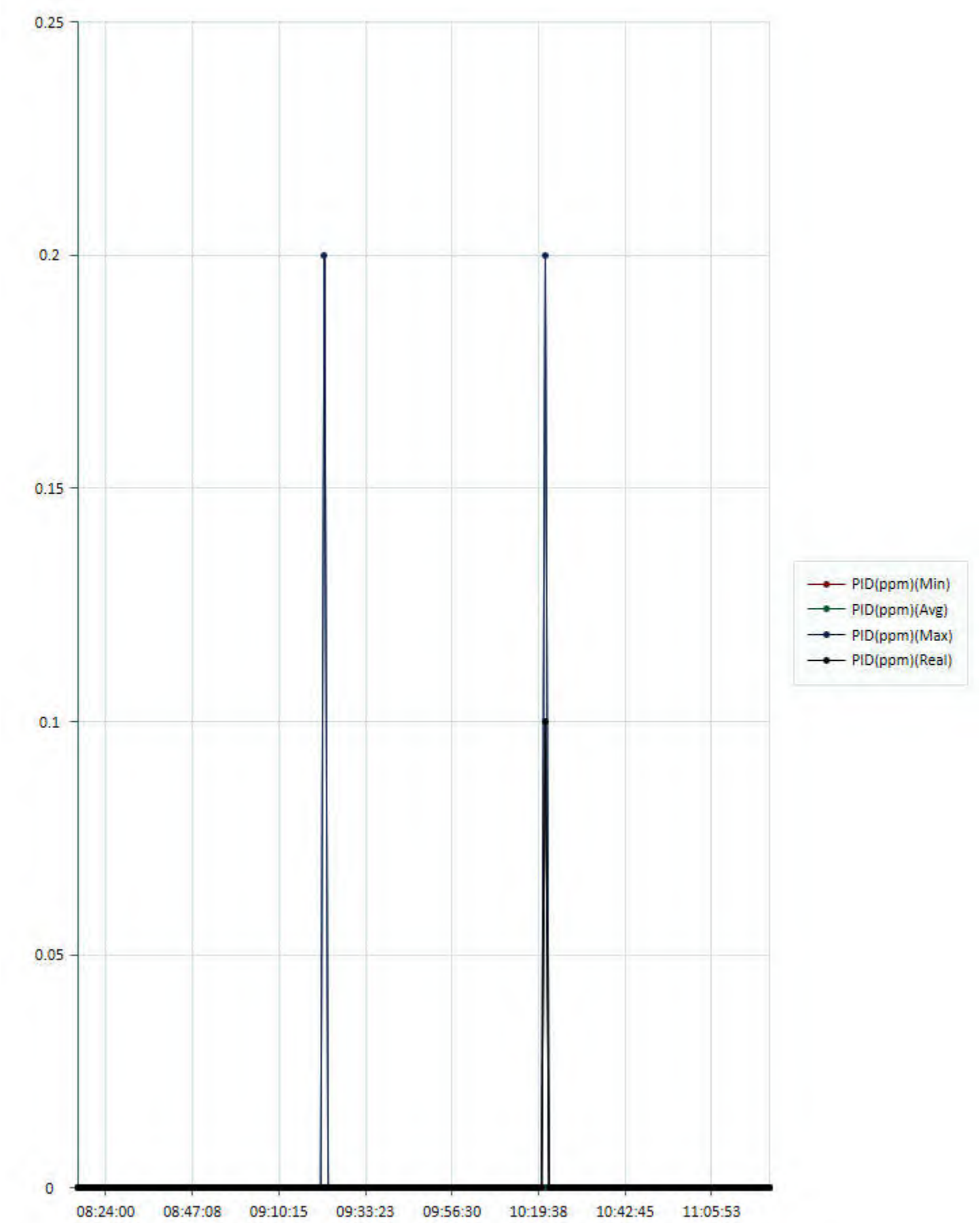
Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/19/2022 08:16:26	0.0	0.0	0.0	0.0
002	10/19/2022 08:17:26	0.0	0.0	0.0	0.0
003	10/19/2022 08:18:26	0.0	0.0	0.0	0.0
004	10/19/2022 08:19:26	0.0	0.0	0.0	0.0
005	10/19/2022 08:20:26	0.0	0.0	0.0	0.0
006	10/19/2022 08:21:26	0.0	0.0	0.0	0.0
007	10/19/2022 08:22:26	0.0	0.0	0.0	0.0
008	10/19/2022 08:23:26	0.0	0.0	0.0	0.0
009	10/19/2022 08:24:26	0.0	0.0	0.0	0.0
010	10/19/2022 08:25:26	0.0	0.0	0.0	0.0
011	10/19/2022 08:26:26	0.0	0.0	0.0	0.0
012	10/19/2022 08:27:26	0.0	0.0	0.0	0.0
013	10/19/2022 08:28:26	0.0	0.0	0.0	0.0
014	10/19/2022 08:29:26	0.0	0.0	0.0	0.0
015	10/19/2022 08:30:26	0.0	0.0	0.0	0.0
016	10/19/2022 08:31:26	0.0	0.0	0.0	0.0
017	10/19/2022 08:32:26	0.0	0.0	0.0	0.0
018	10/19/2022 08:33:26	0.0	0.0	0.0	0.0
019	10/19/2022 08:34:26	0.0	0.0	0.0	0.0
020	10/19/2022 08:35:26	0.0	0.0	0.0	0.0
021	10/19/2022 08:36:26	0.0	0.0	0.0	0.0
022	10/19/2022 08:37:26	0.0	0.0	0.0	0.0
023	10/19/2022 08:38:26	0.0	0.0	0.0	0.0
024	10/19/2022 08:39:26	0.0	0.0	0.0	0.0
025	10/19/2022 08:40:26	0.0	0.0	0.0	0.0
026	10/19/2022 08:41:26	0.0	0.0	0.0	0.0
027	10/19/2022 08:42:26	0.0	0.0	0.0	0.0
028	10/19/2022 08:43:26	0.0	0.0	0.0	0.0
029	10/19/2022 08:44:26	0.0	0.0	0.0	0.0
030	10/19/2022 08:45:26	0.0	0.0	0.0	0.0
031	10/19/2022 08:46:26	0.0	0.0	0.0	0.0
032	10/19/2022 08:47:26	0.0	0.0	0.0	0.0
033	10/19/2022 08:48:26	0.0	0.0	0.0	0.0
034	10/19/2022 08:49:26	0.0	0.0	0.0	0.0
035	10/19/2022 08:50:26	0.0	0.0	0.0	0.0
036	10/19/2022 08:51:26	0.0	0.0	0.0	0.0
037	10/19/2022 08:52:26	0.0	0.0	0.0	0.0
038	10/19/2022 08:53:26	0.0	0.0	0.0	0.0
039	10/19/2022 08:54:26	0.0	0.0	0.0	0.0
040	10/19/2022 08:55:26	0.0	0.0	0.0	0.0
041	10/19/2022 08:56:26	0.0	0.0	0.0	0.0
042	10/19/2022 08:57:26	0.0	0.0	0.0	0.0
043	10/19/2022 08:58:26	0.0	0.0	0.0	0.0
044	10/19/2022 08:59:26	0.0	0.0	0.0	0.0
045	10/19/2022 09:00:26	0.0	0.0	0.0	0.0
046	10/19/2022 09:01:26	0.0	0.0	0.0	0.0
047	10/19/2022 09:02:26	0.0	0.0	0.0	0.0
048	10/19/2022 09:03:26	0.0	0.0	0.0	0.0
049	10/19/2022 09:04:26	0.0	0.0	0.0	0.0
050	10/19/2022 09:05:26	0.0	0.0	0.0	0.0
051	10/19/2022 09:06:26	0.0	0.0	0.0	0.0
052	10/19/2022 09:07:26	0.0	0.0	0.0	0.0
053	10/19/2022 09:08:26	0.0	0.0	0.0	0.0
054	10/19/2022 09:09:26	0.0	0.0	0.0	0.0
055	10/19/2022 09:10:26	0.0	0.0	0.0	0.0
056	10/19/2022 09:11:26	0.0	0.0	0.0	0.0
057	10/19/2022 09:12:26	0.0	0.0	0.0	0.0
058	10/19/2022 09:13:26	0.0	0.0	0.0	0.0
059	10/19/2022 09:14:26	0.0	0.0	0.0	0.0
060	10/19/2022 09:15:26	0.0	0.0	0.0	0.0
061	10/19/2022 09:16:26	0.0	0.0	0.0	0.0

062	10/19/2022 09:17:26	0.0	0.0	0.0	0.0
063	10/19/2022 09:18:26	0.0	0.0	0.0	0.0
064	10/19/2022 09:19:26	0.0	0.0	0.0	0.0
065	10/19/2022 09:20:26	0.0	0.0	0.0	0.0
066	10/19/2022 09:21:26	0.0	0.0	0.0	0.0
067	10/19/2022 09:22:26	0.0	0.0	0.2	0.0
068	10/19/2022 09:23:26	0.0	0.0	0.0	0.0
069	10/19/2022 09:24:26	0.0	0.0	0.0	0.0
070	10/19/2022 09:25:26	0.0	0.0	0.0	0.0
071	10/19/2022 09:26:26	0.0	0.0	0.0	0.0
072	10/19/2022 09:27:26	0.0	0.0	0.0	0.0
073	10/19/2022 09:28:26	0.0	0.0	0.0	0.0
074	10/19/2022 09:29:26	0.0	0.0	0.0	0.0
075	10/19/2022 09:30:26	0.0	0.0	0.0	0.0
076	10/19/2022 09:31:26	0.0	0.0	0.0	0.0
077	10/19/2022 09:32:26	0.0	0.0	0.0	0.0
078	10/19/2022 09:33:26	0.0	0.0	0.0	0.0
079	10/19/2022 09:34:26	0.0	0.0	0.0	0.0
080	10/19/2022 09:35:26	0.0	0.0	0.0	0.0
081	10/19/2022 09:36:26	0.0	0.0	0.0	0.0
082	10/19/2022 09:37:26	0.0	0.0	0.0	0.0
083	10/19/2022 09:38:26	0.0	0.0	0.0	0.0
084	10/19/2022 09:39:26	0.0	0.0	0.0	0.0
085	10/19/2022 09:40:26	0.0	0.0	0.0	0.0
086	10/19/2022 09:41:26	0.0	0.0	0.0	0.0
087	10/19/2022 09:42:26	0.0	0.0	0.0	0.0
088	10/19/2022 09:43:26	0.0	0.0	0.0	0.0
089	10/19/2022 09:44:26	0.0	0.0	0.0	0.0
090	10/19/2022 09:45:26	0.0	0.0	0.0	0.0
091	10/19/2022 09:46:26	0.0	0.0	0.0	0.0
092	10/19/2022 09:47:26	0.0	0.0	0.0	0.0
093	10/19/2022 09:48:26	0.0	0.0	0.0	0.0
094	10/19/2022 09:49:26	0.0	0.0	0.0	0.0
095	10/19/2022 09:50:26	0.0	0.0	0.0	0.0
096	10/19/2022 09:51:26	0.0	0.0	0.0	0.0
097	10/19/2022 09:52:26	0.0	0.0	0.0	0.0
098	10/19/2022 09:53:26	0.0	0.0	0.0	0.0
099	10/19/2022 09:54:26	0.0	0.0	0.0	0.0
100	10/19/2022 09:55:26	0.0	0.0	0.0	0.0
101	10/19/2022 09:56:26	0.0	0.0	0.0	0.0
102	10/19/2022 09:57:26	0.0	0.0	0.0	0.0
103	10/19/2022 09:58:26	0.0	0.0	0.0	0.0
104	10/19/2022 09:59:26	0.0	0.0	0.0	0.0
105	10/19/2022 10:00:26	0.0	0.0	0.0	0.0
106	10/19/2022 10:01:26	0.0	0.0	0.0	0.0
107	10/19/2022 10:02:26	0.0	0.0	0.0	0.0
108	10/19/2022 10:03:26	0.0	0.0	0.0	0.0
109	10/19/2022 10:04:26	0.0	0.0	0.0	0.0
110	10/19/2022 10:05:26	0.0	0.0	0.0	0.0
111	10/19/2022 10:06:26	0.0	0.0	0.0	0.0
112	10/19/2022 10:07:26	0.0	0.0	0.0	0.0
113	10/19/2022 10:08:26	0.0	0.0	0.0	0.0
114	10/19/2022 10:09:26	0.0	0.0	0.0	0.0
115	10/19/2022 10:10:26	0.0	0.0	0.0	0.0
116	10/19/2022 10:11:26	0.0	0.0	0.0	0.0
117	10/19/2022 10:12:26	0.0	0.0	0.0	0.0
118	10/19/2022 10:13:26	0.0	0.0	0.0	0.0
119	10/19/2022 10:14:26	0.0	0.0	0.0	0.0
120	10/19/2022 10:15:26	0.0	0.0	0.0	0.0
121	10/19/2022 10:16:26	0.0	0.0	0.0	0.0
122	10/19/2022 10:17:26	0.0	0.0	0.0	0.0
123	10/19/2022 10:18:26	0.0	0.0	0.0	0.0
124	10/19/2022 10:19:26	0.0	0.0	0.0	0.0
125	10/19/2022 10:20:26	0.0	0.0	0.0	0.0
126	10/19/2022 10:21:26	0.0	0.0	0.2	0.1

127	10/19/2022 10:22:26	0.0	0.0	0.0	0.0
128	10/19/2022 10:23:26	0.0	0.0	0.0	0.0
129	10/19/2022 10:24:26	0.0	0.0	0.0	0.0
130	10/19/2022 10:25:26	0.0	0.0	0.0	0.0
131	10/19/2022 10:26:26	0.0	0.0	0.0	0.0
132	10/19/2022 10:27:26	0.0	0.0	0.0	0.0
133	10/19/2022 10:28:26	0.0	0.0	0.0	0.0
134	10/19/2022 10:29:26	0.0	0.0	0.0	0.0
135	10/19/2022 10:30:26	0.0	0.0	0.0	0.0
136	10/19/2022 10:31:26	0.0	0.0	0.0	0.0
137	10/19/2022 10:32:26	0.0	0.0	0.0	0.0
138	10/19/2022 10:33:26	0.0	0.0	0.0	0.0
139	10/19/2022 10:34:26	0.0	0.0	0.0	0.0
140	10/19/2022 10:35:26	0.0	0.0	0.0	0.0
141	10/19/2022 10:36:26	0.0	0.0	0.0	0.0
142	10/19/2022 10:37:26	0.0	0.0	0.0	0.0
143	10/19/2022 10:38:26	0.0	0.0	0.0	0.0
144	10/19/2022 10:39:26	0.0	0.0	0.0	0.0
145	10/19/2022 10:40:26	0.0	0.0	0.0	0.0
146	10/19/2022 10:41:26	0.0	0.0	0.0	0.0
147	10/19/2022 10:42:26	0.0	0.0	0.0	0.0
148	10/19/2022 10:43:26	0.0	0.0	0.0	0.0
149	10/19/2022 10:44:26	0.0	0.0	0.0	0.0
150	10/19/2022 10:45:26	0.0	0.0	0.0	0.0
151	10/19/2022 10:46:26	0.0	0.0	0.0	0.0
152	10/19/2022 10:47:26	0.0	0.0	0.0	0.0
153	10/19/2022 10:48:26	0.0	0.0	0.0	0.0
154	10/19/2022 10:49:26	0.0	0.0	0.0	0.0
155	10/19/2022 10:50:26	0.0	0.0	0.0	0.0
156	10/19/2022 10:51:26	0.0	0.0	0.0	0.0
157	10/19/2022 10:52:26	0.0	0.0	0.0	0.0
158	10/19/2022 10:53:26	0.0	0.0	0.0	0.0
159	10/19/2022 10:54:26	0.0	0.0	0.0	0.0
160	10/19/2022 10:55:26	0.0	0.0	0.0	0.0
161	10/19/2022 10:56:26	0.0	0.0	0.0	0.0
162	10/19/2022 10:57:26	0.0	0.0	0.0	0.0
163	10/19/2022 10:58:26	0.0	0.0	0.0	0.0
164	10/19/2022 10:59:26	0.0	0.0	0.0	0.0
165	10/19/2022 11:00:26	0.0	0.0	0.0	0.0
166	10/19/2022 11:01:26	0.0	0.0	0.0	0.0
167	10/19/2022 11:02:26	0.0	0.0	0.0	0.0
168	10/19/2022 11:03:26	0.0	0.0	0.0	0.0
169	10/19/2022 11:04:26	0.0	0.0	0.0	0.0
170	10/19/2022 11:05:26	0.0	0.0	0.0	0.0
171	10/19/2022 11:06:26	0.0	0.0	0.0	0.0
172	10/19/2022 11:07:26	0.0	0.0	0.0	0.0
173	10/19/2022 11:08:26	0.0	0.0	0.0	0.0
174	10/19/2022 11:09:26	0.0	0.0	0.0	0.0
175	10/19/2022 11:10:26	0.0	0.0	0.0	0.0
176	10/19/2022 11:11:26	0.0	0.0	0.0	0.0
177	10/19/2022 11:12:26	0.0	0.0	0.0	0.0
178	10/19/2022 11:13:26	0.0	0.0	0.0	0.0
179	10/19/2022 11:14:26	0.0	0.0	0.0	0.0
180	10/19/2022 11:15:26	0.0	0.0	0.0	0.0
181	10/19/2022 11:16:26	0.0	0.0	0.0	0.0
182	10/19/2022 11:17:26	0.0	0.0	0.0	0.0
183	10/19/2022 11:18:26	0.0	0.0	0.0	0.0
184	10/19/2022 11:19:26	0.0	0.0	0.0	0.0
185	10/19/2022 11:20:26	0.0	0.0	0.0	0.0
186	10/19/2022 11:21:26	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.2	0.1
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/19/2022 08:16:26	0.0	---
002	10/19/2022 08:17:26	0.0	---
003	10/19/2022 08:18:26	0.0	---
004	10/19/2022 08:19:26	0.0	---
005	10/19/2022 08:20:26	0.0	---
006	10/19/2022 08:21:26	0.0	---
007	10/19/2022 08:22:26	0.0	---
008	10/19/2022 08:23:26	0.0	---
009	10/19/2022 08:24:26	0.0	---
010	10/19/2022 08:25:26	0.0	---
011	10/19/2022 08:26:26	0.0	---
012	10/19/2022 08:27:26	0.0	---
013	10/19/2022 08:28:26	0.0	---
014	10/19/2022 08:29:26	0.0	---
015	10/19/2022 08:30:26	0.0	0.0
016	10/19/2022 08:31:26	0.0	0.0
017	10/19/2022 08:32:26	0.0	0.0
018	10/19/2022 08:33:26	0.0	0.0
019	10/19/2022 08:34:26	0.0	0.0
020	10/19/2022 08:35:26	0.0	0.0
021	10/19/2022 08:36:26	0.0	0.0
022	10/19/2022 08:37:26	0.0	0.0
023	10/19/2022 08:38:26	0.0	0.0
024	10/19/2022 08:39:26	0.0	0.0
025	10/19/2022 08:40:26	0.0	0.0
026	10/19/2022 08:41:26	0.0	0.0
027	10/19/2022 08:42:26	0.0	0.0
028	10/19/2022 08:43:26	0.0	0.0
029	10/19/2022 08:44:26	0.0	0.0
030	10/19/2022 08:45:26	0.0	0.0
031	10/19/2022 08:46:26	0.0	0.0
032	10/19/2022 08:47:26	0.0	0.0
033	10/19/2022 08:48:26	0.0	0.0
034	10/19/2022 08:49:26	0.0	0.0
035	10/19/2022 08:50:26	0.0	0.0
036	10/19/2022 08:51:26	0.0	0.0
037	10/19/2022 08:52:26	0.0	0.0
038	10/19/2022 08:53:26	0.0	0.0
039	10/19/2022 08:54:26	0.0	0.0
040	10/19/2022 08:55:26	0.0	0.0
041	10/19/2022 08:56:26	0.0	0.0
042	10/19/2022 08:57:26	0.0	0.0
043	10/19/2022 08:58:26	0.0	0.0
044	10/19/2022 08:59:26	0.0	0.0
045	10/19/2022 09:00:26	0.0	0.0
046	10/19/2022 09:01:26	0.0	0.0
047	10/19/2022 09:02:26	0.0	0.0
048	10/19/2022 09:03:26	0.0	0.0
049	10/19/2022 09:04:26	0.0	0.0
050	10/19/2022 09:05:26	0.0	0.0
051	10/19/2022 09:06:26	0.0	0.0
052	10/19/2022 09:07:26	0.0	0.0
053	10/19/2022 09:08:26	0.0	0.0
054	10/19/2022 09:09:26	0.0	0.0
055	10/19/2022 09:10:26	0.0	0.0
056	10/19/2022 09:11:26	0.0	0.0
057	10/19/2022 09:12:26	0.0	0.0
058	10/19/2022 09:13:26	0.0	0.0
059	10/19/2022 09:14:26	0.0	0.0
060	10/19/2022 09:15:26	0.0	0.0
061	10/19/2022 09:16:26	0.0	0.0

062	10/19/2022 09:17:26	0.0	0.0
063	10/19/2022 09:18:26	0.0	0.0
064	10/19/2022 09:19:26	0.0	0.0
065	10/19/2022 09:20:26	0.0	0.0
066	10/19/2022 09:21:26	0.0	0.0
067	10/19/2022 09:22:26	0.0	0.0
068	10/19/2022 09:23:26	0.0	0.0
069	10/19/2022 09:24:26	0.0	0.0
070	10/19/2022 09:25:26	0.0	0.0
071	10/19/2022 09:26:26	0.0	0.0
072	10/19/2022 09:27:26	0.0	0.0
073	10/19/2022 09:28:26	0.0	0.0
074	10/19/2022 09:29:26	0.0	0.0
075	10/19/2022 09:30:26	0.0	0.0
076	10/19/2022 09:31:26	0.0	0.0
077	10/19/2022 09:32:26	0.0	0.0
078	10/19/2022 09:33:26	0.0	0.0
079	10/19/2022 09:34:26	0.0	0.0
080	10/19/2022 09:35:26	0.0	0.0
081	10/19/2022 09:36:26	0.0	0.0
082	10/19/2022 09:37:26	0.0	0.0
083	10/19/2022 09:38:26	0.0	0.0
084	10/19/2022 09:39:26	0.0	0.0
085	10/19/2022 09:40:26	0.0	0.0
086	10/19/2022 09:41:26	0.0	0.0
087	10/19/2022 09:42:26	0.0	0.0
088	10/19/2022 09:43:26	0.0	0.0
089	10/19/2022 09:44:26	0.0	0.0
090	10/19/2022 09:45:26	0.0	0.0
091	10/19/2022 09:46:26	0.0	0.0
092	10/19/2022 09:47:26	0.0	0.0
093	10/19/2022 09:48:26	0.0	0.0
094	10/19/2022 09:49:26	0.0	0.0
095	10/19/2022 09:50:26	0.0	0.0
096	10/19/2022 09:51:26	0.0	0.0
097	10/19/2022 09:52:26	0.0	0.0
098	10/19/2022 09:53:26	0.0	0.0
099	10/19/2022 09:54:26	0.0	0.0
100	10/19/2022 09:55:26	0.0	0.0
101	10/19/2022 09:56:26	0.0	0.0
102	10/19/2022 09:57:26	0.0	0.0
103	10/19/2022 09:58:26	0.0	0.0
104	10/19/2022 09:59:26	0.0	0.0
105	10/19/2022 10:00:26	0.0	0.0
106	10/19/2022 10:01:26	0.0	0.0
107	10/19/2022 10:02:26	0.0	0.0
108	10/19/2022 10:03:26	0.0	0.0
109	10/19/2022 10:04:26	0.0	0.0
110	10/19/2022 10:05:26	0.0	0.0
111	10/19/2022 10:06:26	0.0	0.0
112	10/19/2022 10:07:26	0.0	0.0
113	10/19/2022 10:08:26	0.0	0.0
114	10/19/2022 10:09:26	0.0	0.0
115	10/19/2022 10:10:26	0.0	0.0
116	10/19/2022 10:11:26	0.0	0.0
117	10/19/2022 10:12:26	0.0	0.0
118	10/19/2022 10:13:26	0.0	0.0
119	10/19/2022 10:14:26	0.0	0.0
120	10/19/2022 10:15:26	0.0	0.0
121	10/19/2022 10:16:26	0.0	0.0
122	10/19/2022 10:17:26	0.0	0.0
123	10/19/2022 10:18:26	0.0	0.0
124	10/19/2022 10:19:26	0.0	0.0
125	10/19/2022 10:20:26	0.0	0.0
126	10/19/2022 10:21:26	0.0	0.0

127	10/19/2022 10:22:26	0.0	0.0
128	10/19/2022 10:23:26	0.0	0.0
129	10/19/2022 10:24:26	0.0	0.0
130	10/19/2022 10:25:26	0.0	0.0
131	10/19/2022 10:26:26	0.0	0.0
132	10/19/2022 10:27:26	0.0	0.0
133	10/19/2022 10:28:26	0.0	0.0
134	10/19/2022 10:29:26	0.0	0.0
135	10/19/2022 10:30:26	0.0	0.0
136	10/19/2022 10:31:26	0.0	0.0
137	10/19/2022 10:32:26	0.0	0.0
138	10/19/2022 10:33:26	0.0	0.0
139	10/19/2022 10:34:26	0.0	0.0
140	10/19/2022 10:35:26	0.0	0.0
141	10/19/2022 10:36:26	0.0	0.0
142	10/19/2022 10:37:26	0.0	0.0
143	10/19/2022 10:38:26	0.0	0.0
144	10/19/2022 10:39:26	0.0	0.0
145	10/19/2022 10:40:26	0.0	0.0
146	10/19/2022 10:41:26	0.0	0.0
147	10/19/2022 10:42:26	0.0	0.0
148	10/19/2022 10:43:26	0.0	0.0
149	10/19/2022 10:44:26	0.0	0.0
150	10/19/2022 10:45:26	0.0	0.0
151	10/19/2022 10:46:26	0.0	0.0
152	10/19/2022 10:47:26	0.0	0.0
153	10/19/2022 10:48:26	0.0	0.0
154	10/19/2022 10:49:26	0.0	0.0
155	10/19/2022 10:50:26	0.0	0.0
156	10/19/2022 10:51:26	0.0	0.0
157	10/19/2022 10:52:26	0.0	0.0
158	10/19/2022 10:53:26	0.0	0.0
159	10/19/2022 10:54:26	0.0	0.0
160	10/19/2022 10:55:26	0.0	0.0
161	10/19/2022 10:56:26	0.0	0.0
162	10/19/2022 10:57:26	0.0	0.0
163	10/19/2022 10:58:26	0.0	0.0
164	10/19/2022 10:59:26	0.0	0.0
165	10/19/2022 11:00:26	0.0	0.0
166	10/19/2022 11:01:26	0.0	0.0
167	10/19/2022 11:02:26	0.0	0.0
168	10/19/2022 11:03:26	0.0	0.0
169	10/19/2022 11:04:26	0.0	0.0
170	10/19/2022 11:05:26	0.0	0.0
171	10/19/2022 11:06:26	0.0	0.0
172	10/19/2022 11:07:26	0.0	0.0
173	10/19/2022 11:08:26	0.0	0.0
174	10/19/2022 11:09:26	0.0	0.0
175	10/19/2022 11:10:26	0.0	0.0
176	10/19/2022 11:11:26	0.0	0.0
177	10/19/2022 11:12:26	0.0	0.0
178	10/19/2022 11:13:26	0.0	0.0
179	10/19/2022 11:14:26	0.0	0.0
180	10/19/2022 11:15:26	0.0	0.0
181	10/19/2022 11:16:26	0.0	0.0
182	10/19/2022 11:17:26	0.0	0.0
183	10/19/2022 11:18:26	0.0	0.0
184	10/19/2022 11:19:26	0.0	0.0
185	10/19/2022 11:20:26	0.0	0.0
186	10/19/2022 11:21:26	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173314
Firmware Version	3.1
Calibration Date	8/23/2022
Test Name	MANUAL_005
Test Start Time	8:12:07 AM
Test Start Date	10/19/2022
Test Length [D:H:M]	0:03:05
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.024
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.051
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	37

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.036		
600	0.043		
900	0.035		
1200	0.029		
1500	0.041		
1800	0.033		
2100	0.027		
2400	0.025		
2700	0.035		
3000	0.051		
3300	0.039		
3600	0.05		
3900	0.047		
4200	0.019		
4500	0.019		
4800	0.018		
5100	0.018		
5400	0.018		
5700	0.02		
6000	0.016		
6300	0.015		
6600	0.017		
6900	0.03		
7200	0.018		
7500	0.018		
7800	0.017		
8100	0.016		

8400	0.014
8700	0.015
9000	0.017
9300	0.016
9600	0.014
9900	0.013
10200	0.014
10500	0.018
10800	0.016
11100	0.012

Community Air Monitoring Program Report

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_001
Test Start Time	10:34:11 AM
Test Start Date	1/16/2023
Test Length [D:H:M]	0:05:45
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.028
Mass Minimum [mg/m3]	0.02
Mass Maximum [mg/m3]	0.07
Mass TWA [mg/m3]	0.02
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	69

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.054		
600	0.044		
900	0.051		
1200	0.041		
1500	0.046		
1800	0.049		
2100	0.07		
2400	0.047		
2700	0.042		
3000	0.047		
3300	0.04		
3600	0.025		
3900	0.027		
4200	0.025		
4500	0.03		
4800	0.025		
5100	0.029		
5400	0.03		
5700	0.032		
6000	0.032		
6300	0.036		
6600	0.027		
6900	0.024		
7200	0.022		
7500	0.022		
7800	0.023		
8100	0.021		

8400	0.024
8700	0.021
9000	0.022
9300	0.022
9600	0.027
9900	0.021
10200	0.021
10500	0.021
10800	0.021
11100	0.021
11400	0.022
11700	0.022
12000	0.021
12300	0.022
12600	0.027
12900	0.029
13200	0.037
13500	0.022
13800	0.021
14100	0.023
14400	0.022
14700	0.021
15000	0.021
15300	0.021
15600	0.021
15900	0.021
16200	0.021
16500	0.021
16800	0.021
17100	0.021
17400	0.028
17700	0.021
18000	0.022
18300	0.022
18600	0.031
18900	0.02
19200	0.02
19500	0.021
19800	0.023
20100	0.022
20400	0.021
20700	0.02

Datalog

Current Event:23/01/16 10:36

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	01/16/2023 10:36:21
End	01/16/2023 13:05:16
Sample Period(s)	60
Number of Records	148

Sensor	PID(ppm)
Sensor SN	S023030074C1
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	01/12/2023 11:12
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	01/16/2023 10:37:21	0.0	0.0	0.0	0.0
002	01/16/2023 10:38:21	0.0	0.0	0.0	0.0
003	01/16/2023 10:39:21	0.0	0.0	0.0	0.0
004	01/16/2023 10:40:21	0.0	0.0	0.0	0.0
005	01/16/2023 10:41:21	0.0	0.0	0.0	0.0
006	01/16/2023 10:42:21	0.0	0.0	0.0	0.0
007	01/16/2023 10:43:21	0.0	0.0	0.0	0.0
008	01/16/2023 10:44:21	0.0	0.0	0.0	0.0
009	01/16/2023 10:45:21	0.0	0.0	0.0	0.0
010	01/16/2023 10:46:21	0.0	0.0	0.0	0.0
011	01/16/2023 10:47:21	0.0	0.0	0.0	0.0
012	01/16/2023 10:48:21	0.0	0.0	0.0	0.0
013	01/16/2023 10:49:21	0.0	0.0	0.0	0.0
014	01/16/2023 10:50:21	0.0	0.0	0.0	0.0
015	01/16/2023 10:51:21	0.0	0.0	0.0	0.0
016	01/16/2023 10:52:21	0.0	0.0	0.0	0.0
017	01/16/2023 10:53:21	0.0	0.0	0.0	0.0
018	01/16/2023 10:54:21	0.0	0.0	0.0	0.0
019	01/16/2023 10:55:21	0.0	0.0	0.0	0.0
020	01/16/2023 10:56:21	0.0	0.0	0.0	0.0
021	01/16/2023 10:57:21	0.0	0.0	0.0	0.0
022	01/16/2023 10:58:21	0.0	0.0	0.0	0.0
023	01/16/2023 10:59:21	0.0	0.0	0.0	0.0
024	01/16/2023 11:00:21	0.0	0.0	0.0	0.0
025	01/16/2023 11:01:21	0.0	0.0	0.0	0.0
026	01/16/2023 11:02:21	0.0	0.0	0.0	0.0
027	01/16/2023 11:03:21	0.0	0.0	0.0	0.0
028	01/16/2023 11:04:21	0.0	0.0	0.0	0.0
029	01/16/2023 11:05:21	0.0	0.0	0.0	0.0
030	01/16/2023 11:06:21	0.0	0.0	0.0	0.0
031	01/16/2023 11:07:21	0.0	0.0	0.0	0.0
032	01/16/2023 11:08:21	0.0	0.0	0.0	0.0
033	01/16/2023 11:09:21	0.0	0.0	0.0	0.0
034	01/16/2023 11:10:21	0.0	0.0	0.0	0.0
035	01/16/2023 11:11:21	0.0	0.0	0.0	0.0
036	01/16/2023 11:12:21	0.0	0.0	0.0	0.0
037	01/16/2023 11:13:21	0.0	0.0	0.0	0.0
038	01/16/2023 11:14:21	0.0	0.0	0.0	0.0
039	01/16/2023 11:15:21	0.0	0.0	0.0	0.0
040	01/16/2023 11:16:21	0.0	0.0	0.0	0.0
041	01/16/2023 11:17:21	0.0	0.0	0.0	0.0
042	01/16/2023 11:18:21	0.0	0.0	0.0	0.0
043	01/16/2023 11:19:21	0.0	0.0	0.0	0.0
044	01/16/2023 11:20:21	0.0	0.0	0.0	0.0
045	01/16/2023 11:21:21	0.0	0.0	0.0	0.0
046	01/16/2023 11:22:21	0.0	0.0	0.0	0.0
047	01/16/2023 11:23:21	0.0	0.0	0.0	0.0
048	01/16/2023 11:24:21	0.0	0.0	0.0	0.0
049	01/16/2023 11:25:21	0.0	0.0	0.0	0.0
050	01/16/2023 11:26:21	0.0	0.0	0.0	0.0
051	01/16/2023 11:27:21	0.0	0.0	0.0	0.0
052	01/16/2023 11:28:21	0.0	0.0	0.0	0.0
053	01/16/2023 11:29:21	0.0	0.0	0.0	0.0
054	01/16/2023 11:30:21	0.0	0.0	0.0	0.0
055	01/16/2023 11:31:21	0.0	0.0	0.0	0.0
056	01/16/2023 11:32:21	0.0	0.0	0.0	0.0
057	01/16/2023 11:33:21	0.0	0.0	0.0	0.0
058	01/16/2023 11:34:21	0.0	0.0	0.0	0.0
059	01/16/2023 11:35:21	0.0	0.0	0.0	0.0
060	01/16/2023 11:36:21	0.0	0.0	0.0	0.0
061	01/16/2023 11:37:21	0.0	0.0	0.0	0.0

062	01/16/2023 11:38:21	0.0	0.0	0.0	0.0
063	01/16/2023 11:39:21	0.0	0.0	0.0	0.0
064	01/16/2023 11:40:21	0.0	0.0	0.0	0.0
065	01/16/2023 11:41:21	0.0	0.0	0.0	0.0
066	01/16/2023 11:42:21	0.0	0.0	0.0	0.0
067	01/16/2023 11:43:21	0.0	0.0	0.0	0.0
068	01/16/2023 11:44:21	0.0	0.0	0.0	0.0
069	01/16/2023 11:45:21	0.0	0.0	0.0	0.0
070	01/16/2023 11:46:21	0.0	0.0	0.0	0.0
071	01/16/2023 11:47:21	0.0	0.0	0.0	0.0
072	01/16/2023 11:48:21	0.0	0.0	0.0	0.0
073	01/16/2023 11:49:21	0.0	0.0	0.0	0.0
074	01/16/2023 11:50:21	0.0	0.0	0.0	0.0
075	01/16/2023 11:51:21	0.0	0.0	0.0	0.0
076	01/16/2023 11:52:21	0.0	0.0	0.0	0.0
077	01/16/2023 11:53:21	0.0	0.0	0.0	0.0
078	01/16/2023 11:54:21	0.0	0.0	0.0	0.0
079	01/16/2023 11:55:21	0.0	0.0	0.0	0.0
080	01/16/2023 11:56:21	0.0	0.0	0.0	0.0
081	01/16/2023 11:57:21	0.0	0.0	0.0	0.0
082	01/16/2023 11:58:21	0.0	0.0	0.0	0.0
083	01/16/2023 11:59:21	0.0	0.0	0.0	0.0
084	01/16/2023 12:00:21	0.0	0.0	0.0	0.0
085	01/16/2023 12:01:21	0.0	0.0	0.0	0.0
086	01/16/2023 12:02:21	0.0	0.0	0.0	0.0
087	01/16/2023 12:03:21	0.0	0.0	0.0	0.0
088	01/16/2023 12:04:21	0.0	0.0	0.0	0.0
089	01/16/2023 12:05:21	0.0	0.0	0.0	0.0
090	01/16/2023 12:06:21	0.0	0.0	0.0	0.0
091	01/16/2023 12:07:21	0.0	0.0	0.0	0.0
092	01/16/2023 12:08:21	0.0	0.0	0.0	0.0
093	01/16/2023 12:09:21	0.0	0.0	0.0	0.0
094	01/16/2023 12:10:21	0.0	0.0	0.0	0.0
095	01/16/2023 12:11:21	0.0	0.0	0.0	0.0
096	01/16/2023 12:12:21	0.0	0.0	0.0	0.0
097	01/16/2023 12:13:21	0.0	0.0	0.0	0.0
098	01/16/2023 12:14:21	0.0	0.0	0.0	0.0
099	01/16/2023 12:15:21	0.0	0.0	0.0	0.0
100	01/16/2023 12:16:21	0.0	0.0	0.0	0.0
101	01/16/2023 12:17:21	0.0	0.0	0.0	0.0
102	01/16/2023 12:18:21	0.0	0.0	0.0	0.0
103	01/16/2023 12:19:21	0.0	0.0	0.0	0.0
104	01/16/2023 12:20:21	0.0	0.0	0.0	0.0
105	01/16/2023 12:21:21	0.0	0.0	0.0	0.0
106	01/16/2023 12:22:21	0.0	0.0	0.0	0.0
107	01/16/2023 12:23:21	0.0	0.0	0.0	0.0
108	01/16/2023 12:24:21	0.0	0.0	0.0	0.0
109	01/16/2023 12:25:21	0.0	0.0	0.0	0.0
110	01/16/2023 12:26:21	0.0	0.0	0.0	0.0
111	01/16/2023 12:27:21	0.0	0.0	0.0	0.0
112	01/16/2023 12:28:21	0.0	0.0	0.0	0.0
113	01/16/2023 12:29:21	0.0	0.0	0.0	0.0
114	01/16/2023 12:30:21	0.0	0.0	0.0	0.0
115	01/16/2023 12:31:21	0.0	0.0	0.0	0.0
116	01/16/2023 12:32:21	0.0	0.0	0.0	0.0
117	01/16/2023 12:33:21	0.0	0.0	0.0	0.0
118	01/16/2023 12:34:21	0.0	0.0	0.0	0.0
119	01/16/2023 12:35:21	0.0	0.0	0.0	0.0
120	01/16/2023 12:36:21	0.0	0.0	0.0	0.0
121	01/16/2023 12:37:21	0.0	0.0	0.0	0.0
122	01/16/2023 12:38:21	0.0	0.0	0.0	0.0
123	01/16/2023 12:39:21	0.0	0.0	0.0	0.0
124	01/16/2023 12:40:21	0.0	0.0	0.0	0.0
125	01/16/2023 12:41:21	0.0	0.0	0.0	0.0
126	01/16/2023 12:42:21	0.0	0.0	0.0	0.0

127	01/16/2023 12:43:21	0.0	0.0	0.0	0.0
128	01/16/2023 12:44:21	0.0	0.0	0.0	0.0
129	01/16/2023 12:45:21	0.0	0.0	0.0	0.0
130	01/16/2023 12:46:21	0.0	0.0	0.0	0.0
131	01/16/2023 12:47:21	0.0	0.0	0.0	0.0
132	01/16/2023 12:48:21	0.0	0.0	0.0	0.0
133	01/16/2023 12:49:21	0.0	0.0	0.0	0.0
134	01/16/2023 12:50:21	0.0	0.0	0.0	0.0
135	01/16/2023 12:51:21	0.0	0.0	0.0	0.0
136	01/16/2023 12:52:21	0.0	0.0	0.0	0.0
137	01/16/2023 12:53:21	0.0	0.0	0.0	0.0
138	01/16/2023 12:54:21	0.0	0.0	0.0	0.0
139	01/16/2023 12:55:21	0.0	0.0	0.0	0.0
140	01/16/2023 12:56:21	0.0	0.0	0.0	0.0
141	01/16/2023 12:57:21	0.0	0.0	0.0	0.0
142	01/16/2023 12:58:21	0.0	0.0	0.0	0.0
143	01/16/2023 12:59:21	0.0	0.0	0.0	0.0
144	01/16/2023 13:00:21	0.0	0.0	0.0	0.0
145	01/16/2023 13:01:21	0.0	0.0	0.0	0.0
146	01/16/2023 13:02:21	0.0	0.0	0.0	0.0
147	01/16/2023 13:03:21	0.0	0.0	0.0	0.0
148	01/16/2023 13:04:21	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	01/16/2023 10:37:21	0.0	---
002	01/16/2023 10:38:21	0.0	---
003	01/16/2023 10:39:21	0.0	---
004	01/16/2023 10:40:21	0.0	---
005	01/16/2023 10:41:21	0.0	---
006	01/16/2023 10:42:21	0.0	---
007	01/16/2023 10:43:21	0.0	---
008	01/16/2023 10:44:21	0.0	---
009	01/16/2023 10:45:21	0.0	---
010	01/16/2023 10:46:21	0.0	---
011	01/16/2023 10:47:21	0.0	---
012	01/16/2023 10:48:21	0.0	---
013	01/16/2023 10:49:21	0.0	---
014	01/16/2023 10:50:21	0.0	---
015	01/16/2023 10:51:21	0.0	0.0
016	01/16/2023 10:52:21	0.0	0.0
017	01/16/2023 10:53:21	0.0	0.0
018	01/16/2023 10:54:21	0.0	0.0
019	01/16/2023 10:55:21	0.0	0.0
020	01/16/2023 10:56:21	0.0	0.0
021	01/16/2023 10:57:21	0.0	0.0
022	01/16/2023 10:58:21	0.0	0.0
023	01/16/2023 10:59:21	0.0	0.0
024	01/16/2023 11:00:21	0.0	0.0
025	01/16/2023 11:01:21	0.0	0.0
026	01/16/2023 11:02:21	0.0	0.0
027	01/16/2023 11:03:21	0.0	0.0
028	01/16/2023 11:04:21	0.0	0.0
029	01/16/2023 11:05:21	0.0	0.0
030	01/16/2023 11:06:21	0.0	0.0
031	01/16/2023 11:07:21	0.0	0.0
032	01/16/2023 11:08:21	0.0	0.0
033	01/16/2023 11:09:21	0.0	0.0
034	01/16/2023 11:10:21	0.0	0.0
035	01/16/2023 11:11:21	0.0	0.0
036	01/16/2023 11:12:21	0.0	0.0
037	01/16/2023 11:13:21	0.0	0.0
038	01/16/2023 11:14:21	0.0	0.0
039	01/16/2023 11:15:21	0.0	0.0
040	01/16/2023 11:16:21	0.0	0.0
041	01/16/2023 11:17:21	0.0	0.0
042	01/16/2023 11:18:21	0.0	0.0
043	01/16/2023 11:19:21	0.0	0.0
044	01/16/2023 11:20:21	0.0	0.0
045	01/16/2023 11:21:21	0.0	0.0
046	01/16/2023 11:22:21	0.0	0.0
047	01/16/2023 11:23:21	0.0	0.0
048	01/16/2023 11:24:21	0.0	0.0
049	01/16/2023 11:25:21	0.0	0.0
050	01/16/2023 11:26:21	0.0	0.0
051	01/16/2023 11:27:21	0.0	0.0
052	01/16/2023 11:28:21	0.0	0.0
053	01/16/2023 11:29:21	0.0	0.0
054	01/16/2023 11:30:21	0.0	0.0
055	01/16/2023 11:31:21	0.0	0.0
056	01/16/2023 11:32:21	0.0	0.0
057	01/16/2023 11:33:21	0.0	0.0
058	01/16/2023 11:34:21	0.0	0.0
059	01/16/2023 11:35:21	0.0	0.0
060	01/16/2023 11:36:21	0.0	0.0
061	01/16/2023 11:37:21	0.0	0.0

062	01/16/2023 11:38:21	0.0	0.0
063	01/16/2023 11:39:21	0.0	0.0
064	01/16/2023 11:40:21	0.0	0.0
065	01/16/2023 11:41:21	0.0	0.0
066	01/16/2023 11:42:21	0.0	0.0
067	01/16/2023 11:43:21	0.0	0.0
068	01/16/2023 11:44:21	0.0	0.0
069	01/16/2023 11:45:21	0.0	0.0
070	01/16/2023 11:46:21	0.0	0.0
071	01/16/2023 11:47:21	0.0	0.0
072	01/16/2023 11:48:21	0.0	0.0
073	01/16/2023 11:49:21	0.0	0.0
074	01/16/2023 11:50:21	0.0	0.0
075	01/16/2023 11:51:21	0.0	0.0
076	01/16/2023 11:52:21	0.0	0.0
077	01/16/2023 11:53:21	0.0	0.0
078	01/16/2023 11:54:21	0.0	0.0
079	01/16/2023 11:55:21	0.0	0.0
080	01/16/2023 11:56:21	0.0	0.0
081	01/16/2023 11:57:21	0.0	0.0
082	01/16/2023 11:58:21	0.0	0.0
083	01/16/2023 11:59:21	0.0	0.0
084	01/16/2023 12:00:21	0.0	0.0
085	01/16/2023 12:01:21	0.0	0.0
086	01/16/2023 12:02:21	0.0	0.0
087	01/16/2023 12:03:21	0.0	0.0
088	01/16/2023 12:04:21	0.0	0.0
089	01/16/2023 12:05:21	0.0	0.0
090	01/16/2023 12:06:21	0.0	0.0
091	01/16/2023 12:07:21	0.0	0.0
092	01/16/2023 12:08:21	0.0	0.0
093	01/16/2023 12:09:21	0.0	0.0
094	01/16/2023 12:10:21	0.0	0.0
095	01/16/2023 12:11:21	0.0	0.0
096	01/16/2023 12:12:21	0.0	0.0
097	01/16/2023 12:13:21	0.0	0.0
098	01/16/2023 12:14:21	0.0	0.0
099	01/16/2023 12:15:21	0.0	0.0
100	01/16/2023 12:16:21	0.0	0.0
101	01/16/2023 12:17:21	0.0	0.0
102	01/16/2023 12:18:21	0.0	0.0
103	01/16/2023 12:19:21	0.0	0.0
104	01/16/2023 12:20:21	0.0	0.0
105	01/16/2023 12:21:21	0.0	0.0
106	01/16/2023 12:22:21	0.0	0.0
107	01/16/2023 12:23:21	0.0	0.0
108	01/16/2023 12:24:21	0.0	0.0
109	01/16/2023 12:25:21	0.0	0.0
110	01/16/2023 12:26:21	0.0	0.0
111	01/16/2023 12:27:21	0.0	0.0
112	01/16/2023 12:28:21	0.0	0.0
113	01/16/2023 12:29:21	0.0	0.0
114	01/16/2023 12:30:21	0.0	0.0
115	01/16/2023 12:31:21	0.0	0.0
116	01/16/2023 12:32:21	0.0	0.0
117	01/16/2023 12:33:21	0.0	0.0
118	01/16/2023 12:34:21	0.0	0.0
119	01/16/2023 12:35:21	0.0	0.0
120	01/16/2023 12:36:21	0.0	0.0
121	01/16/2023 12:37:21	0.0	0.0
122	01/16/2023 12:38:21	0.0	0.0
123	01/16/2023 12:39:21	0.0	0.0
124	01/16/2023 12:40:21	0.0	0.0
125	01/16/2023 12:41:21	0.0	0.0
126	01/16/2023 12:42:21	0.0	0.0

127	01/16/2023 12:43:21	0.0	0.0
128	01/16/2023 12:44:21	0.0	0.0
129	01/16/2023 12:45:21	0.0	0.0
130	01/16/2023 12:46:21	0.0	0.0
131	01/16/2023 12:47:21	0.0	0.0
132	01/16/2023 12:48:21	0.0	0.0
133	01/16/2023 12:49:21	0.0	0.0
134	01/16/2023 12:50:21	0.0	0.0
135	01/16/2023 12:51:21	0.0	0.0
136	01/16/2023 12:52:21	0.0	0.0
137	01/16/2023 12:53:21	0.0	0.0
138	01/16/2023 12:54:21	0.0	0.0
139	01/16/2023 12:55:21	0.0	0.0
140	01/16/2023 12:56:21	0.0	0.0
141	01/16/2023 12:57:21	0.0	0.0
142	01/16/2023 12:58:21	0.0	0.0
143	01/16/2023 12:59:21	0.0	0.0
144	01/16/2023 13:00:21	0.0	0.0
145	01/16/2023 13:01:21	0.0	0.0
146	01/16/2023 13:02:21	0.0	0.0
147	01/16/2023 13:03:21	0.0	0.0
148	01/16/2023 13:04:21	0.0	0.0

Datalog

Current Event:23/01/16 13:04

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530094307
Firmware Version	3.1
Calibration Date	2/25/2022
Test Name	MANUAL_001
Test Start Time	10:32:26 AM
Test Start Date	1/16/2023
Test Length [D:H:M]	0:05:19
Test Interval [M:S]	5:00
Mass Average [mg/m3]	0.022
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.123
Mass TWA [mg/m3]	0.015
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	60

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
300	0.036		
600	0.021		
900	0.01		
1200	0.01		
1500	0.01		
1800	0.01		
2100	0.043		
2400	0.01		
2700	0.01		
3000	0.021		
3300	0.013		
3600	0.014		
3900	0.012		
4200	0.019		
4500	0.01		
4800	0.01		
5100	0.01		
5400	0.028		
5700	0.009		
6000	0.01		
6300	0.123		
6600	0.015		
6900	0.06		
7200	0.009		
7500	0.031		
7800	0.031		
8100	0.081		

8400	0.016
8700	0.04
9000	0.066
9300	0.052
9600	0.052
9900	0.018
10200	0.008
10500	0.052
10800	0.007
11100	0.007
11400	0.053
11700	0.042
12000	0.014
12300	0.012
12600	0.017
12900	0.016
13200	0.015
13500	0.011
13800	0.013
14100	0.012
14400	0.012
14700	0.011
15000	0.013
15300	0.012
15600	0.012
15900	0.011
16200	0.012
16500	0.012
16800	0.012
17100	0.012
17400	0.012
17700	0.012
19167	0

Datalog

Current Event:23/01/16 10:36

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-601964
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	CAMP1000
User ID	USER0000

Begin	01/16/2023 10:36:38
End	01/16/2023 01:00:34
Sample Period(s)	60
Number of Records	143

Sensor	PID(ppm)
Sensor SN	S023030852B3
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	01/12/2023 11:01
Peak	0.0
Min	0.0
Average	0.0

Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	01/16/2023 10:37:38	0.0	0.0	0.0	0.0
002	01/16/2023 10:38:38	0.0	0.0	0.0	0.0
003	01/16/2023 10:39:38	0.0	0.0	0.0	0.0
004	01/16/2023 10:40:38	0.0	0.0	0.0	0.0
005	01/16/2023 10:41:38	0.0	0.0	0.0	0.0
006	01/16/2023 10:42:38	0.0	0.0	0.0	0.0
007	01/16/2023 10:43:38	0.0	0.0	0.0	0.0
008	01/16/2023 10:44:38	0.0	0.0	0.0	0.0
009	01/16/2023 10:45:38	0.0	0.0	0.0	0.0
010	01/16/2023 10:46:38	0.0	0.0	0.0	0.0
011	01/16/2023 10:47:38	0.0	0.0	0.0	0.0
012	01/16/2023 10:48:38	0.0	0.0	0.0	0.0
013	01/16/2023 10:49:38	0.0	0.0	0.0	0.0
014	01/16/2023 10:50:38	0.0	0.0	0.0	0.0
015	01/16/2023 10:51:38	0.0	0.0	0.0	0.0
016	01/16/2023 10:52:38	0.0	0.0	0.0	0.0
017	01/16/2023 10:53:38	0.0	0.0	0.0	0.0
018	01/16/2023 10:54:38	0.0	0.0	0.0	0.0
019	01/16/2023 10:55:38	0.0	0.0	0.0	0.0
020	01/16/2023 10:56:38	0.0	0.0	0.0	0.0
021	01/16/2023 10:57:38	0.0	0.0	0.0	0.0
022	01/16/2023 10:58:38	0.0	0.0	0.0	0.0
023	01/16/2023 10:59:38	0.0	0.0	0.0	0.0
024	01/16/2023 11:00:38	0.0	0.0	0.0	0.0
025	01/16/2023 11:01:38	0.0	0.0	0.0	0.0
026	01/16/2023 11:02:38	0.0	0.0	0.0	0.0
027	01/16/2023 11:03:38	0.0	0.0	0.0	0.0
028	01/16/2023 11:04:38	0.0	0.0	0.0	0.0
029	01/16/2023 11:05:38	0.0	0.0	0.0	0.0
030	01/16/2023 11:06:38	0.0	0.0	0.0	0.0
031	01/16/2023 11:07:38	0.0	0.0	0.0	0.0
032	01/16/2023 11:08:38	0.0	0.0	0.0	0.0
033	01/16/2023 11:09:38	0.0	0.0	0.0	0.0
034	01/16/2023 11:10:38	0.0	0.0	0.0	0.0
035	01/16/2023 11:11:38	0.0	0.0	0.0	0.0
036	01/16/2023 11:12:38	0.0	0.0	0.0	0.0
037	01/16/2023 11:13:38	0.0	0.0	0.0	0.0
038	01/16/2023 11:14:38	0.0	0.0	0.0	0.0
039	01/16/2023 11:15:38	0.0	0.0	0.0	0.0
040	01/16/2023 11:16:38	0.0	0.0	0.0	0.0
041	01/16/2023 11:17:38	0.0	0.0	0.0	0.0
042	01/16/2023 11:18:38	0.0	0.0	0.0	0.0
043	01/16/2023 11:19:38	0.0	0.0	0.0	0.0
044	01/16/2023 11:20:38	0.0	0.0	0.0	0.0
045	01/16/2023 11:38:38	0.0	0.0	0.0	0.0
046	01/16/2023 11:22:38	0.0	0.0	0.0	0.0
047	01/16/2023 11:23:38	0.0	0.0	0.0	0.0
048	01/16/2023 11:24:38	0.0	0.0	0.0	0.0
049	01/16/2023 11:25:38	0.0	0.0	0.0	0.0
050	01/16/2023 11:26:38	0.0	0.0	0.0	0.0
051	01/16/2023 11:27:38	0.0	0.0	0.0	0.0
052	01/16/2023 11:28:38	0.0	0.0	0.0	0.0
053	01/16/2023 11:29:38	0.0	0.0	0.0	0.0
054	01/16/2023 11:30:38	0.0	0.0	0.0	0.0
055	01/16/2023 11:31:38	0.0	0.0	0.0	0.0
056	01/16/2023 11:32:38	0.0	0.0	0.0	0.0
057	01/16/2023 11:33:38	0.0	0.0	0.0	0.0
058	01/16/2023 11:34:38	0.0	0.0	0.0	0.0
059	01/16/2023 11:35:38	0.0	0.0	0.0	0.0
060	01/16/2023 11:36:38	0.0	0.0	0.0	0.0
061	01/16/2023 11:37:38	0.0	0.0	0.0	0.0

062	01/16/2023 11:38:38	0.0	0.0	0.0	0.0
063	01/16/2023 11:39:38	0.0	0.0	0.0	0.0
064	01/16/2023 11:40:38	0.0	0.0	0.0	0.0
065	01/16/2023 11:41:38	0.0	0.0	0.0	0.0
066	01/16/2023 11:42:38	0.0	0.0	0.0	0.0
067	01/16/2023 11:43:38	0.0	0.0	0.0	0.0
068	01/16/2023 11:44:38	0.0	0.0	0.0	0.0
069	01/16/2023 11:45:38	0.0	0.0	0.0	0.0
070	01/16/2023 11:46:38	0.0	0.0	0.0	0.0
071	01/16/2023 11:47:38	0.0	0.0	0.0	0.0
072	01/16/2023 11:48:38	0.0	0.0	0.0	0.0
073	01/16/2023 11:49:38	0.0	0.0	0.0	0.0
074	01/16/2023 11:50:38	0.0	0.0	0.0	0.0
075	01/16/2023 11:51:38	0.0	0.0	0.0	0.0
076	01/16/2023 11:52:38	0.0	0.0	0.0	0.0
077	01/16/2023 11:53:38	0.0	0.0	0.0	0.0
078	01/16/2023 11:54:38	0.0	0.0	0.0	0.0
079	01/16/2023 11:55:38	0.0	0.0	0.0	0.0
080	01/16/2023 11:56:38	0.0	0.0	0.0	0.0
081	01/16/2023 11:57:38	0.0	0.0	0.0	0.0
082	01/16/2023 11:58:38	0.0	0.0	0.0	0.0
083	01/16/2023 11:59:38	0.0	0.0	0.0	0.0
084	01/16/2023 12:00:38	0.0	0.0	0.0	0.0
085	01/16/2023 12:01:38	0.0	0.0	0.0	0.0
086	01/16/2023 12:02:38	0.0	0.0	0.0	0.0
087	01/16/2023 12:03:38	0.0	0.0	0.0	0.0
088	01/16/2023 12:04:38	0.0	0.0	0.0	0.0
089	01/16/2023 12:05:38	0.0	0.0	0.0	0.0
090	01/16/2023 12:06:38	0.0	0.0	0.0	0.0
091	01/16/2023 12:07:38	0.0	0.0	0.0	0.0
092	01/16/2023 12:08:38	0.0	0.0	0.0	0.0
093	01/16/2023 12:09:38	0.0	0.0	0.0	0.0
094	01/16/2023 12:10:38	0.0	0.0	0.0	0.0
095	01/16/2023 12:11:38	0.0	0.0	0.0	0.0
096	01/16/2023 12:12:38	0.0	0.0	0.0	0.0
097	01/16/2023 12:13:38	0.0	0.0	0.0	0.0
098	01/16/2023 12:14:38	0.0	0.0	0.0	0.0
099	01/16/2023 12:15:38	0.0	0.0	0.0	0.0
100	01/16/2023 12:16:38	0.0	0.0	0.0	0.0
101	01/16/2023 12:17:38	0.0	0.0	0.0	0.0
102	01/16/2023 12:18:38	0.0	0.0	0.0	0.0
103	01/16/2023 12:19:38	0.0	0.0	0.0	0.0
104	01/16/2023 12:20:38	0.0	0.0	0.0	0.0
105	01/16/2023 12:38:38	0.0	0.0	0.0	0.0
106	01/16/2023 12:22:38	0.0	0.0	0.0	0.0
107	01/16/2023 12:23:38	0.0	0.0	0.0	0.0
108	01/16/2023 12:24:38	0.0	0.0	0.0	0.0
109	01/16/2023 12:25:38	0.0	0.0	0.0	0.0
110	01/16/2023 12:26:38	0.0	0.0	0.0	0.0
111	01/16/2023 12:27:38	0.0	0.0	0.3	0.0
112	01/16/2023 12:28:38	0.0	0.0	0.0	0.0
113	01/16/2023 12:29:38	0.0	0.0	0.0	0.0
114	01/16/2023 12:30:38	0.0	0.0	0.0	0.0
115	01/16/2023 12:31:38	0.0	0.0	0.0	0.0
116	01/16/2023 12:32:38	0.0	0.0	0.0	0.0
117	01/16/2023 12:33:38	0.0	0.0	0.0	0.0
118	01/16/2023 12:34:38	0.0	0.0	0.1	0.0
119	01/16/2023 12:35:38	0.0	0.0	0.0	0.0
120	01/16/2023 12:36:38	0.0	0.0	0.3	0.0
138	01/16/2023 12:37:38	0.0	0.0	0.0	0.0
122	01/16/2023 12:38:38	0.0	0.0	0.0	0.0
123	01/16/2023 12:39:38	0.0	0.0	0.0	0.0
124	01/16/2023 12:40:38	0.0	0.0	0.0	0.0
125	01/16/2023 12:41:38	0.0	0.0	0.0	0.0
126	01/16/2023 12:42:38	0.0	0.0	0.0	0.0

127	01/16/2023 12:43:38	0.0	0.0	0.0	0.0
128	01/16/2023 12:44:38	0.0	0.0	0.0	0.0
129	01/16/2023 12:45:38	0.0	0.0	0.0	0.0
130	01/16/2023 12:46:38	0.0	0.0	0.0	0.0
131	01/16/2023 12:47:38	0.0	0.0	0.0	0.0
132	01/16/2023 12:48:38	0.0	0.0	0.0	0.0
133	01/16/2023 12:49:38	0.0	0.0	0.0	0.0
134	01/16/2023 12:50:38	0.0	0.0	0.0	0.0
135	01/16/2023 12:51:38	0.0	0.0	0.0	0.0
136	01/16/2023 12:52:38	0.0	0.0	0.0	0.0
137	01/16/2023 12:53:38	0.0	0.0	0.0	0.0
138	01/16/2023 12:54:38	0.0	0.0	0.0	0.0
139	01/16/2023 12:55:38	0.0	0.0	0.0	0.0
140	01/16/2023 12:56:38	0.0	0.0	0.0	0.0
141	01/16/2023 12:57:38	0.0	0.0	0.0	0.0
142	01/16/2023 12:58:38	0.0	0.0	0.0	0.0
143	01/16/2023 12:59:38	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.3	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	01/16/2023 10:37:38	0.0	---
002	01/16/2023 10:38:38	0.0	---
003	01/16/2023 10:39:38	0.0	---
004	01/16/2023 10:40:38	0.0	---
005	01/16/2023 10:41:38	0.0	---
006	01/16/2023 10:42:38	0.0	---
007	01/16/2023 10:43:38	0.0	---
008	01/16/2023 10:44:38	0.0	---
009	01/16/2023 10:45:38	0.0	---
010	01/16/2023 10:46:38	0.0	---
011	01/16/2023 10:47:38	0.0	---
012	01/16/2023 10:48:38	0.0	---
013	01/16/2023 10:49:38	0.0	---
014	01/16/2023 10:50:38	0.0	---
015	01/16/2023 10:51:38	0.0	0.0
016	01/16/2023 10:52:38	0.0	0.0
017	01/16/2023 10:53:38	0.0	0.0
018	01/16/2023 10:54:38	0.0	0.0
019	01/16/2023 10:55:38	0.0	0.0
020	01/16/2023 10:56:38	0.0	0.0
021	01/16/2023 10:57:38	0.0	0.0
022	01/16/2023 10:58:38	0.0	0.0
023	01/16/2023 10:59:38	0.0	0.0
024	01/16/2023 11:00:38	0.0	0.0
025	01/16/2023 11:01:38	0.0	0.0
026	01/16/2023 11:02:38	0.0	0.0
027	01/16/2023 11:03:38	0.0	0.0
028	01/16/2023 11:04:38	0.0	0.0
029	01/16/2023 11:05:38	0.0	0.0
030	01/16/2023 11:06:38	0.0	0.0
031	01/16/2023 11:07:38	0.0	0.0
032	01/16/2023 11:08:38	0.0	0.0
033	01/16/2023 11:09:38	0.0	0.0
034	01/16/2023 11:10:38	0.0	0.0
035	01/16/2023 11:11:38	0.0	0.0
036	01/16/2023 11:12:38	0.0	0.0
037	01/16/2023 11:13:38	0.0	0.0
038	01/16/2023 11:14:38	0.0	0.0
039	01/16/2023 11:15:38	0.0	0.0
040	01/16/2023 11:16:38	0.0	0.0
041	01/16/2023 11:17:38	0.0	0.0
042	01/16/2023 11:18:38	0.0	0.0
043	01/16/2023 11:19:38	0.0	0.0
044	01/16/2023 11:20:38	0.0	0.0
045	01/16/2023 11:38:38	0.0	0.0
046	01/16/2023 11:22:38	0.0	0.0
047	01/16/2023 11:23:38	0.0	0.0
048	01/16/2023 11:24:38	0.0	0.0
049	01/16/2023 11:25:38	0.0	0.0
050	01/16/2023 11:26:38	0.0	0.0
051	01/16/2023 11:27:38	0.0	0.0
052	01/16/2023 11:28:38	0.0	0.0
053	01/16/2023 11:29:38	0.0	0.0
054	01/16/2023 11:30:38	0.0	0.0
055	01/16/2023 11:31:38	0.0	0.0
056	01/16/2023 11:32:38	0.0	0.0
057	01/16/2023 11:33:38	0.0	0.0
058	01/16/2023 11:34:38	0.0	0.0
059	01/16/2023 11:35:38	0.0	0.0
060	01/16/2023 11:36:38	0.0	0.0
061	01/16/2023 11:37:38	0.0	0.0

062	01/16/2023 11:38:38	0.0	0.0
063	01/16/2023 11:39:38	0.0	0.0
064	01/16/2023 11:40:38	0.0	0.0
065	01/16/2023 11:41:38	0.0	0.0
066	01/16/2023 11:42:38	0.0	0.0
067	01/16/2023 11:43:38	0.0	0.0
068	01/16/2023 11:44:38	0.0	0.0
069	01/16/2023 11:45:38	0.0	0.0
070	01/16/2023 11:46:38	0.0	0.0
071	01/16/2023 11:47:38	0.0	0.0
072	01/16/2023 11:48:38	0.0	0.0
073	01/16/2023 11:49:38	0.0	0.0
074	01/16/2023 11:50:38	0.0	0.0
075	01/16/2023 11:51:38	0.0	0.0
076	01/16/2023 11:52:38	0.0	0.0
077	01/16/2023 11:53:38	0.0	0.0
078	01/16/2023 11:54:38	0.0	0.0
079	01/16/2023 11:55:38	0.0	0.0
080	01/16/2023 11:56:38	0.0	0.0
081	01/16/2023 11:57:38	0.0	0.0
082	01/16/2023 11:58:38	0.0	0.0
083	01/16/2023 11:59:38	0.0	0.0
084	01/16/2023 12:00:38	0.0	0.0
085	01/16/2023 12:01:38	0.0	0.0
086	01/16/2023 12:02:38	0.0	0.0
087	01/16/2023 12:03:38	0.0	0.0
088	01/16/2023 12:04:38	0.0	0.0
089	01/16/2023 12:05:38	0.0	0.0
090	01/16/2023 12:06:38	0.0	0.0
091	01/16/2023 12:07:38	0.0	0.0
092	01/16/2023 12:08:38	0.0	0.0
093	01/16/2023 12:09:38	0.0	0.0
094	01/16/2023 12:10:38	0.0	0.0
095	01/16/2023 12:11:38	0.0	0.0
096	01/16/2023 12:12:38	0.0	0.0
097	01/16/2023 12:13:38	0.0	0.0
098	01/16/2023 12:14:38	0.0	0.0
099	01/16/2023 12:15:38	0.0	0.0
100	01/16/2023 12:16:38	0.0	0.0
101	01/16/2023 12:17:38	0.0	0.0
102	01/16/2023 12:18:38	0.0	0.0
103	01/16/2023 12:19:38	0.0	0.0
104	01/16/2023 12:20:38	0.0	0.0
105	01/16/2023 12:38:38	0.0	0.0
106	01/16/2023 12:22:38	0.0	0.0
107	01/16/2023 12:23:38	0.0	0.0
108	01/16/2023 12:24:38	0.0	0.0
109	01/16/2023 12:25:38	0.0	0.0
110	01/16/2023 12:26:38	0.0	0.0
111	01/16/2023 12:27:38	0.0	0.0
112	01/16/2023 12:28:38	0.0	0.0
113	01/16/2023 12:29:38	0.0	0.0
114	01/16/2023 12:30:38	0.0	0.0
115	01/16/2023 12:31:38	0.0	0.0
116	01/16/2023 12:32:38	0.0	0.0
117	01/16/2023 12:33:38	0.0	0.0
118	01/16/2023 12:34:38	0.0	0.0
119	01/16/2023 12:35:38	0.0	0.0
120	01/16/2023 12:36:38	0.0	0.0
121	01/16/2023 12:37:38	0.0	0.0
122	01/16/2023 12:38:38	0.0	0.0
123	01/16/2023 12:39:38	0.0	0.0
124	01/16/2023 12:40:38	0.0	0.0
125	01/16/2023 12:41:38	0.0	0.0
126	01/16/2023 12:42:38	0.0	0.0

127	01/16/2023 12:43:38	0.0	0.0
128	01/16/2023 12:44:38	0.0	0.0
129	01/16/2023 12:45:38	0.0	0.0
130	01/16/2023 12:46:38	0.0	0.0
131	01/16/2023 12:47:38	0.0	0.0
132	01/16/2023 12:48:38	0.0	0.0
133	01/16/2023 12:49:38	0.0	0.0
134	01/16/2023 12:50:38	0.0	0.0
135	01/16/2023 12:51:38	0.0	0.0
136	01/16/2023 12:52:38	0.0	0.0
137	01/16/2023 12:53:38	0.0	0.0
138	01/16/2023 12:54:38	0.0	0.0
139	01/16/2023 12:55:38	0.0	0.0
140	01/16/2023 12:56:38	0.0	0.0
141	01/16/2023 12:57:38	0.0	0.0
142	01/16/2023 12:58:38	0.0	0.0
143	01/16/2023 12:59:38	0.0	0.0

Datalog

Current Event:23/01/16 13:00

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_001
Test Start Time	7:46:35 AM
Test Start Date	1/17/2023
Test Length [D:H:M]	0:02:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.007		
2700	0.007		
3600	0.007		
4500	0.007		
5400	0.008		
6300	0.008		
7200	0.01		
8100	0.01		
9000	0.006		
9900	0.004		

Datalog

Current Event:23/01/17 07:47

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	1/17/2023 07:47:37
End	1/17/2023 10:49:03
Sample Period(s)	60
Number of Records	181

Sensor	PID(ppm)
Sensor SN	S023030074C1
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	1/12/2023 11:12
Peak	0.1
Min	0.0
Average	0.0

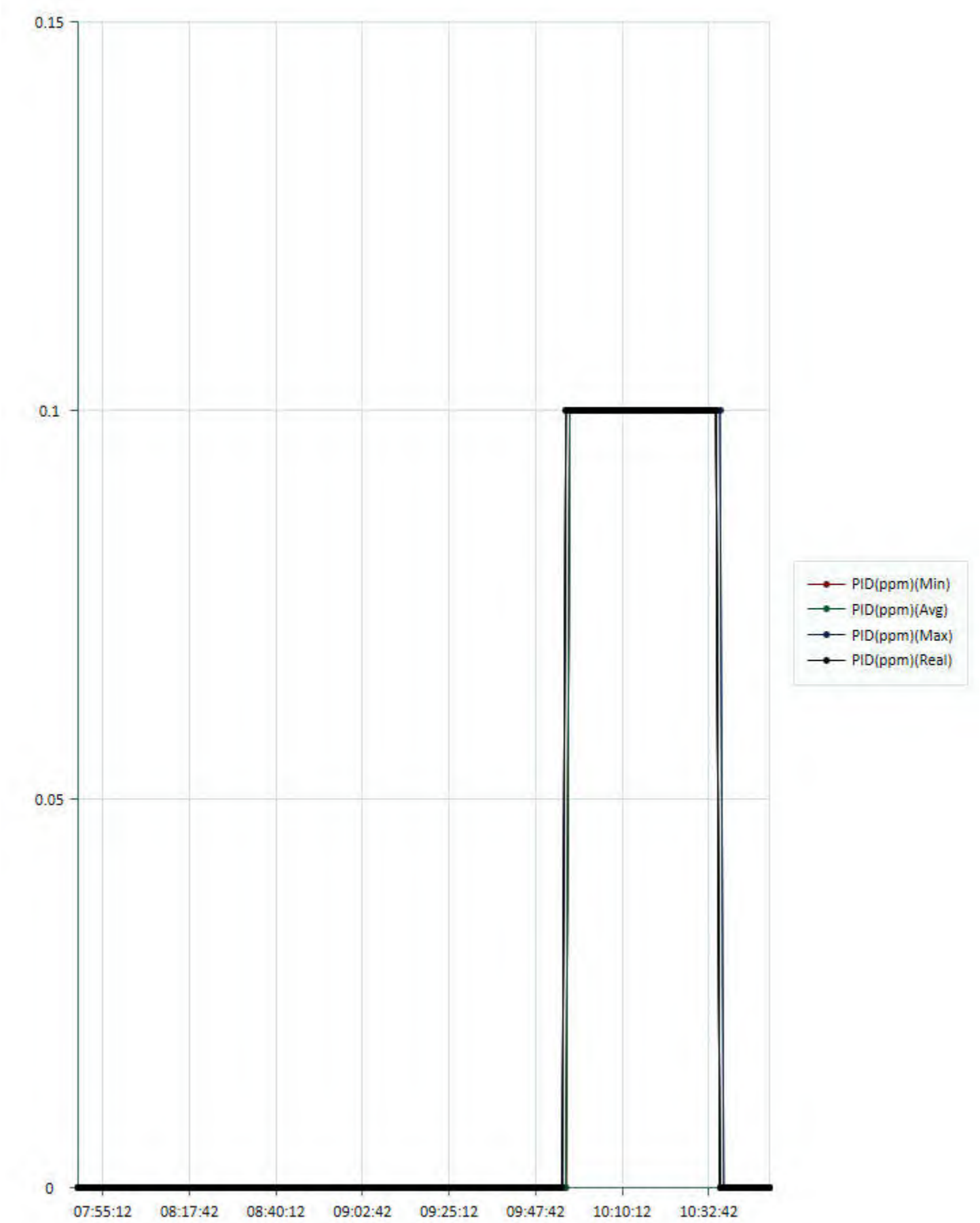
Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	1/17/2023 07:48:37	0.0	0.0	0.0	0.0
002	1/17/2023 07:49:37	0.0	0.0	0.0	0.0
003	1/17/2023 07:50:37	0.0	0.0	0.0	0.0
004	1/17/2023 07:51:37	0.0	0.0	0.0	0.0
005	1/17/2023 07:52:37	0.0	0.0	0.0	0.0
006	1/17/2023 07:53:37	0.0	0.0	0.0	0.0
007	1/17/2023 07:54:37	0.0	0.0	0.0	0.0
008	1/17/2023 07:55:37	0.0	0.0	0.0	0.0
009	1/17/2023 07:56:37	0.0	0.0	0.0	0.0
010	1/17/2023 07:57:37	0.0	0.0	0.0	0.0
011	1/17/2023 07:58:37	0.0	0.0	0.0	0.0
012	1/17/2023 07:59:37	0.0	0.0	0.0	0.0
013	1/17/2023 08:00:37	0.0	0.0	0.0	0.0
014	1/17/2023 08:01:37	0.0	0.0	0.0	0.0
015	1/17/2023 08:02:37	0.0	0.0	0.0	0.0
016	1/17/2023 08:03:37	0.0	0.0	0.0	0.0
017	1/17/2023 08:04:37	0.0	0.0	0.0	0.0
018	1/17/2023 08:05:37	0.0	0.0	0.0	0.0
019	1/17/2023 08:06:37	0.0	0.0	0.0	0.0
020	1/17/2023 08:07:37	0.0	0.0	0.0	0.0
021	1/17/2023 08:08:37	0.0	0.0	0.0	0.0
022	1/17/2023 08:09:37	0.0	0.0	0.0	0.0
023	1/17/2023 08:10:37	0.0	0.0	0.0	0.0
024	1/17/2023 08:11:37	0.0	0.0	0.0	0.0
025	1/17/2023 08:12:37	0.0	0.0	0.0	0.0
026	1/17/2023 08:13:37	0.0	0.0	0.0	0.0
027	1/17/2023 08:14:37	0.0	0.0	0.0	0.0
028	1/17/2023 08:15:37	0.0	0.0	0.0	0.0
029	1/17/2023 08:16:37	0.0	0.0	0.0	0.0
030	1/17/2023 08:17:37	0.0	0.0	0.0	0.0
031	1/17/2023 08:18:37	0.0	0.0	0.0	0.0
032	1/17/2023 08:19:37	0.0	0.0	0.0	0.0
033	1/17/2023 08:20:37	0.0	0.0	0.0	0.0
034	1/17/2023 08:21:37	0.0	0.0	0.0	0.0
035	1/17/2023 08:22:37	0.0	0.0	0.0	0.0
036	1/17/2023 08:23:37	0.0	0.0	0.0	0.0
037	1/17/2023 08:24:37	0.0	0.0	0.0	0.0
038	1/17/2023 08:25:37	0.0	0.0	0.0	0.0
039	1/17/2023 08:26:37	0.0	0.0	0.0	0.0
040	1/17/2023 08:27:37	0.0	0.0	0.0	0.0
041	1/17/2023 08:28:37	0.0	0.0	0.0	0.0
042	1/17/2023 08:29:37	0.0	0.0	0.0	0.0
043	1/17/2023 08:30:37	0.0	0.0	0.0	0.0
044	1/17/2023 08:31:37	0.0	0.0	0.0	0.0
045	1/17/2023 08:32:37	0.0	0.0	0.0	0.0
046	1/17/2023 08:33:37	0.0	0.0	0.0	0.0
047	1/17/2023 08:34:37	0.0	0.0	0.0	0.0
048	1/17/2023 08:35:37	0.0	0.0	0.0	0.0
049	1/17/2023 08:36:37	0.0	0.0	0.0	0.0
050	1/17/2023 08:37:37	0.0	0.0	0.0	0.0
051	1/17/2023 08:38:37	0.0	0.0	0.0	0.0
052	1/17/2023 08:39:37	0.0	0.0	0.0	0.0
053	1/17/2023 08:40:37	0.0	0.0	0.0	0.0
054	1/17/2023 08:41:37	0.0	0.0	0.0	0.0
055	1/17/2023 08:42:37	0.0	0.0	0.0	0.0
056	1/17/2023 08:43:37	0.0	0.0	0.0	0.0
057	1/17/2023 08:44:37	0.0	0.0	0.0	0.0
058	1/17/2023 08:45:37	0.0	0.0	0.0	0.0
059	1/17/2023 08:46:37	0.0	0.0	0.0	0.0
060	1/17/2023 08:47:37	0.0	0.0	0.0	0.0
061	1/17/2023 08:48:37	0.0	0.0	0.0	0.0

062	1/17/2023 08:49:37	0.0	0.0	0.0	0.0
063	1/17/2023 08:50:37	0.0	0.0	0.0	0.0
064	1/17/2023 08:51:37	0.0	0.0	0.0	0.0
065	1/17/2023 08:52:37	0.0	0.0	0.0	0.0
066	1/17/2023 08:53:37	0.0	0.0	0.0	0.0
067	1/17/2023 08:54:37	0.0	0.0	0.0	0.0
068	1/17/2023 08:55:37	0.0	0.0	0.0	0.0
069	1/17/2023 08:56:37	0.0	0.0	0.0	0.0
070	1/17/2023 08:57:37	0.0	0.0	0.0	0.0
071	1/17/2023 08:58:37	0.0	0.0	0.0	0.0
072	1/17/2023 08:59:37	0.0	0.0	0.0	0.0
073	1/17/2023 09:00:37	0.0	0.0	0.0	0.0
074	1/17/2023 09:01:37	0.0	0.0	0.0	0.0
075	1/17/2023 09:02:37	0.0	0.0	0.0	0.0
076	1/17/2023 09:03:37	0.0	0.0	0.0	0.0
077	1/17/2023 09:04:37	0.0	0.0	0.0	0.0
078	1/17/2023 09:05:37	0.0	0.0	0.0	0.0
079	1/17/2023 09:06:37	0.0	0.0	0.0	0.0
080	1/17/2023 09:07:37	0.0	0.0	0.0	0.0
081	1/17/2023 09:08:37	0.0	0.0	0.0	0.0
082	1/17/2023 09:09:37	0.0	0.0	0.0	0.0
083	1/17/2023 09:10:37	0.0	0.0	0.0	0.0
084	1/17/2023 09:11:37	0.0	0.0	0.0	0.0
085	1/17/2023 09:12:37	0.0	0.0	0.0	0.0
086	1/17/2023 09:13:37	0.0	0.0	0.0	0.0
087	1/17/2023 09:14:37	0.0	0.0	0.0	0.0
088	1/17/2023 09:15:37	0.0	0.0	0.0	0.0
089	1/17/2023 09:16:37	0.0	0.0	0.0	0.0
090	1/17/2023 09:17:37	0.0	0.0	0.0	0.0
091	1/17/2023 09:18:37	0.0	0.0	0.0	0.0
092	1/17/2023 09:19:37	0.0	0.0	0.0	0.0
093	1/17/2023 09:20:37	0.0	0.0	0.0	0.0
094	1/17/2023 09:21:37	0.0	0.0	0.0	0.0
095	1/17/2023 09:22:37	0.0	0.0	0.0	0.0
096	1/17/2023 09:23:37	0.0	0.0	0.0	0.0
097	1/17/2023 09:24:37	0.0	0.0	0.0	0.0
098	1/17/2023 09:25:37	0.0	0.0	0.0	0.0
099	1/17/2023 09:26:37	0.0	0.0	0.0	0.0
100	1/17/2023 09:27:37	0.0	0.0	0.0	0.0
101	1/17/2023 09:28:37	0.0	0.0	0.0	0.0
102	1/17/2023 09:29:37	0.0	0.0	0.0	0.0
103	1/17/2023 09:30:37	0.0	0.0	0.0	0.0
104	1/17/2023 09:31:37	0.0	0.0	0.0	0.0
105	1/17/2023 09:32:37	0.0	0.0	0.0	0.0
106	1/17/2023 09:33:37	0.0	0.0	0.0	0.0
107	1/17/2023 09:34:37	0.0	0.0	0.0	0.0
108	1/17/2023 09:35:37	0.0	0.0	0.0	0.0
109	1/17/2023 09:36:37	0.0	0.0	0.0	0.0
110	1/17/2023 09:37:37	0.0	0.0	0.0	0.0
111	1/17/2023 09:38:37	0.0	0.0	0.0	0.0
112	1/17/2023 09:39:37	0.0	0.0	0.0	0.0
113	1/17/2023 09:40:37	0.0	0.0	0.0	0.0
114	1/17/2023 09:41:37	0.0	0.0	0.0	0.0
115	1/17/2023 09:42:37	0.0	0.0	0.0	0.0
116	1/17/2023 09:43:37	0.0	0.0	0.0	0.0
117	1/17/2023 09:44:37	0.0	0.0	0.0	0.0
118	1/17/2023 09:45:37	0.0	0.0	0.0	0.0
119	1/17/2023 09:46:37	0.0	0.0	0.0	0.0
120	1/17/2023 09:47:37	0.0	0.0	0.0	0.0
121	1/17/2023 09:48:37	0.0	0.0	0.0	0.0
122	1/17/2023 09:49:37	0.0	0.0	0.0	0.0
123	1/17/2023 09:50:37	0.0	0.0	0.0	0.0
124	1/17/2023 09:51:37	0.0	0.0	0.0	0.0
125	1/17/2023 09:52:37	0.0	0.0	0.0	0.0
126	1/17/2023 09:53:37	0.0	0.0	0.0	0.0

127	1/17/2023 09:54:37	0.0	0.0	0.0	0.0
128	1/17/2023 09:55:37	0.0	0.0	0.1	0.1
129	1/17/2023 09:56:37	0.1	0.1	0.1	0.1
130	1/17/2023 09:57:37	0.1	0.1	0.1	0.1
131	1/17/2023 09:58:37	0.1	0.1	0.1	0.1
132	1/17/2023 09:59:37	0.1	0.1	0.1	0.1
133	1/17/2023 10:00:37	0.1	0.1	0.1	0.1
134	1/17/2023 10:01:37	0.1	0.1	0.1	0.1
135	1/17/2023 10:02:37	0.1	0.1	0.1	0.1
136	1/17/2023 10:03:37	0.1	0.1	0.1	0.1
137	1/17/2023 10:04:37	0.1	0.1	0.1	0.1
138	1/17/2023 10:05:37	0.1	0.1	0.1	0.1
139	1/17/2023 10:06:37	0.1	0.1	0.1	0.1
140	1/17/2023 10:07:37	0.1	0.1	0.1	0.1
141	1/17/2023 10:08:37	0.1	0.1	0.1	0.1
142	1/17/2023 10:09:37	0.1	0.1	0.1	0.1
143	1/17/2023 10:10:37	0.1	0.1	0.1	0.1
144	1/17/2023 10:11:37	0.1	0.1	0.1	0.1
145	1/17/2023 10:12:37	0.1	0.1	0.1	0.1
146	1/17/2023 10:13:37	0.1	0.1	0.1	0.1
147	1/17/2023 10:14:37	0.1	0.1	0.1	0.1
148	1/17/2023 10:15:37	0.1	0.1	0.1	0.1
149	1/17/2023 10:16:37	0.1	0.1	0.1	0.1
150	1/17/2023 10:17:37	0.1	0.1	0.1	0.1
151	1/17/2023 10:18:37	0.1	0.1	0.1	0.1
152	1/17/2023 10:19:37	0.1	0.1	0.1	0.1
153	1/17/2023 10:20:37	0.1	0.1	0.1	0.1
154	1/17/2023 10:21:37	0.1	0.1	0.1	0.1
155	1/17/2023 10:22:37	0.1	0.1	0.1	0.1
156	1/17/2023 10:23:37	0.1	0.1	0.1	0.1
157	1/17/2023 10:24:37	0.1	0.1	0.1	0.1
158	1/17/2023 10:25:37	0.1	0.1	0.1	0.1
159	1/17/2023 10:26:37	0.1	0.1	0.1	0.1
160	1/17/2023 10:27:37	0.1	0.1	0.1	0.1
161	1/17/2023 10:28:37	0.1	0.1	0.1	0.1
162	1/17/2023 10:29:37	0.1	0.1	0.1	0.1
163	1/17/2023 10:30:37	0.1	0.1	0.1	0.1
164	1/17/2023 10:31:37	0.1	0.1	0.1	0.1
165	1/17/2023 10:32:37	0.1	0.1	0.1	0.1
166	1/17/2023 10:33:37	0.1	0.1	0.1	0.1
167	1/17/2023 10:34:37	0.1	0.1	0.1	0.1
168	1/17/2023 10:35:37	0.0	0.0	0.1	0.0
169	1/17/2023 10:36:37	0.0	0.0	0.0	0.0
170	1/17/2023 10:37:37	0.0	0.0	0.0	0.0
171	1/17/2023 10:38:37	0.0	0.0	0.0	0.0
172	1/17/2023 10:39:37	0.0	0.0	0.0	0.0
173	1/17/2023 10:40:37	0.0	0.0	0.0	0.0
174	1/17/2023 10:41:37	0.0	0.0	0.0	0.0
175	1/17/2023 10:42:37	0.0	0.0	0.0	0.0
176	1/17/2023 10:43:37	0.0	0.0	0.0	0.0
177	1/17/2023 10:44:37	0.0	0.0	0.0	0.0
178	1/17/2023 10:45:37	0.0	0.0	0.0	0.0
179	1/17/2023 10:46:37	0.0	0.0	0.0	0.0
180	1/17/2023 10:47:37	0.0	0.0	0.0	0.0
181	1/17/2023 10:48:37	0.0	0.0	0.0	0.0
Peak		0.1	0.1	0.1	0.1
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	1/17/2023 07:48:37	0.0	---
002	1/17/2023 07:49:37	0.0	---
003	1/17/2023 07:50:37	0.0	---
004	1/17/2023 07:51:37	0.0	---
005	1/17/2023 07:52:37	0.0	---
006	1/17/2023 07:53:37	0.0	---
007	1/17/2023 07:54:37	0.0	---
008	1/17/2023 07:55:37	0.0	---
009	1/17/2023 07:56:37	0.0	---
010	1/17/2023 07:57:37	0.0	---
011	1/17/2023 07:58:37	0.0	---
012	1/17/2023 07:59:37	0.0	---
013	1/17/2023 08:00:37	0.0	---
014	1/17/2023 08:01:37	0.0	---
015	1/17/2023 08:02:37	0.0	0.0
016	1/17/2023 08:03:37	0.0	0.0
017	1/17/2023 08:04:37	0.0	0.0
018	1/17/2023 08:05:37	0.0	0.0
019	1/17/2023 08:06:37	0.0	0.0
020	1/17/2023 08:07:37	0.0	0.0
021	1/17/2023 08:08:37	0.0	0.0
022	1/17/2023 08:09:37	0.0	0.0
023	1/17/2023 08:10:37	0.0	0.0
024	1/17/2023 08:11:37	0.0	0.0
025	1/17/2023 08:12:37	0.0	0.0
026	1/17/2023 08:13:37	0.0	0.0
027	1/17/2023 08:14:37	0.0	0.0
028	1/17/2023 08:15:37	0.0	0.0
029	1/17/2023 08:16:37	0.0	0.0
030	1/17/2023 08:17:37	0.0	0.0
031	1/17/2023 08:18:37	0.0	0.0
032	1/17/2023 08:19:37	0.0	0.0
033	1/17/2023 08:20:37	0.0	0.0
034	1/17/2023 08:21:37	0.0	0.0
035	1/17/2023 08:22:37	0.0	0.0
036	1/17/2023 08:23:37	0.0	0.0
037	1/17/2023 08:24:37	0.0	0.0
038	1/17/2023 08:25:37	0.0	0.0
039	1/17/2023 08:26:37	0.0	0.0
040	1/17/2023 08:27:37	0.0	0.0
041	1/17/2023 08:28:37	0.0	0.0
042	1/17/2023 08:29:37	0.0	0.0
043	1/17/2023 08:30:37	0.0	0.0
044	1/17/2023 08:31:37	0.0	0.0
045	1/17/2023 08:32:37	0.0	0.0
046	1/17/2023 08:33:37	0.0	0.0
047	1/17/2023 08:34:37	0.0	0.0
048	1/17/2023 08:35:37	0.0	0.0
049	1/17/2023 08:36:37	0.0	0.0
050	1/17/2023 08:37:37	0.0	0.0
051	1/17/2023 08:38:37	0.0	0.0
052	1/17/2023 08:39:37	0.0	0.0
053	1/17/2023 08:40:37	0.0	0.0
054	1/17/2023 08:41:37	0.0	0.0
055	1/17/2023 08:42:37	0.0	0.0
056	1/17/2023 08:43:37	0.0	0.0
057	1/17/2023 08:44:37	0.0	0.0
058	1/17/2023 08:45:37	0.0	0.0
059	1/17/2023 08:46:37	0.0	0.0
060	1/17/2023 08:47:37	0.0	0.0
061	1/17/2023 08:48:37	0.0	0.0

062	1/17/2023 08:49:37	0.0	0.0
063	1/17/2023 08:50:37	0.0	0.0
064	1/17/2023 08:51:37	0.0	0.0
065	1/17/2023 08:52:37	0.0	0.0
066	1/17/2023 08:53:37	0.0	0.0
067	1/17/2023 08:54:37	0.0	0.0
068	1/17/2023 08:55:37	0.0	0.0
069	1/17/2023 08:56:37	0.0	0.0
070	1/17/2023 08:57:37	0.0	0.0
071	1/17/2023 08:58:37	0.0	0.0
072	1/17/2023 08:59:37	0.0	0.0
073	1/17/2023 09:00:37	0.0	0.0
074	1/17/2023 09:01:37	0.0	0.0
075	1/17/2023 09:02:37	0.0	0.0
076	1/17/2023 09:03:37	0.0	0.0
077	1/17/2023 09:04:37	0.0	0.0
078	1/17/2023 09:05:37	0.0	0.0
079	1/17/2023 09:06:37	0.0	0.0
080	1/17/2023 09:07:37	0.0	0.0
081	1/17/2023 09:08:37	0.0	0.0
082	1/17/2023 09:09:37	0.0	0.0
083	1/17/2023 09:10:37	0.0	0.0
084	1/17/2023 09:11:37	0.0	0.0
085	1/17/2023 09:12:37	0.0	0.0
086	1/17/2023 09:13:37	0.0	0.0
087	1/17/2023 09:14:37	0.0	0.0
088	1/17/2023 09:15:37	0.0	0.0
089	1/17/2023 09:16:37	0.0	0.0
090	1/17/2023 09:17:37	0.0	0.0
091	1/17/2023 09:18:37	0.0	0.0
092	1/17/2023 09:19:37	0.0	0.0
093	1/17/2023 09:20:37	0.0	0.0
094	1/17/2023 09:21:37	0.0	0.0
095	1/17/2023 09:22:37	0.0	0.0
096	1/17/2023 09:23:37	0.0	0.0
097	1/17/2023 09:24:37	0.0	0.0
098	1/17/2023 09:25:37	0.0	0.0
099	1/17/2023 09:26:37	0.0	0.0
100	1/17/2023 09:27:37	0.0	0.0
101	1/17/2023 09:28:37	0.0	0.0
102	1/17/2023 09:29:37	0.0	0.0
103	1/17/2023 09:30:37	0.0	0.0
104	1/17/2023 09:31:37	0.0	0.0
105	1/17/2023 09:32:37	0.0	0.0
106	1/17/2023 09:33:37	0.0	0.0
107	1/17/2023 09:34:37	0.0	0.0
108	1/17/2023 09:35:37	0.0	0.0
109	1/17/2023 09:36:37	0.0	0.0
110	1/17/2023 09:37:37	0.0	0.0
111	1/17/2023 09:38:37	0.0	0.0
112	1/17/2023 09:39:37	0.0	0.0
113	1/17/2023 09:40:37	0.0	0.0
114	1/17/2023 09:41:37	0.0	0.0
115	1/17/2023 09:42:37	0.0	0.0
116	1/17/2023 09:43:37	0.0	0.0
117	1/17/2023 09:44:37	0.0	0.0
118	1/17/2023 09:45:37	0.0	0.0
119	1/17/2023 09:46:37	0.0	0.0
120	1/17/2023 09:47:37	0.0	0.0
121	1/17/2023 09:48:37	0.0	0.0
122	1/17/2023 09:49:37	0.0	0.0
123	1/17/2023 09:50:37	0.0	0.0
124	1/17/2023 09:51:37	0.0	0.0
125	1/17/2023 09:52:37	0.0	0.0
126	1/17/2023 09:53:37	0.0	0.0

127	1/17/2023 09:54:37	0.0	0.0
128	1/17/2023 09:55:37	0.0	0.0
129	1/17/2023 09:56:37	0.0	0.0
130	1/17/2023 09:57:37	0.0	0.0
131	1/17/2023 09:58:37	0.0	0.0
132	1/17/2023 09:59:37	0.0	0.0
133	1/17/2023 10:00:37	0.0	0.0
134	1/17/2023 10:01:37	0.0	0.0
135	1/17/2023 10:02:37	0.0	0.1
136	1/17/2023 10:03:37	0.0	0.1
137	1/17/2023 10:04:37	0.0	0.1
138	1/17/2023 10:05:37	0.0	0.1
139	1/17/2023 10:06:37	0.0	0.1
140	1/17/2023 10:07:37	0.0	0.1
141	1/17/2023 10:08:37	0.0	0.1
142	1/17/2023 10:09:37	0.0	0.1
143	1/17/2023 10:10:37	0.0	0.1
144	1/17/2023 10:11:37	0.0	0.1
145	1/17/2023 10:12:37	0.0	0.1
146	1/17/2023 10:13:37	0.0	0.1
147	1/17/2023 10:14:37	0.0	0.1
148	1/17/2023 10:15:37	0.0	0.1
149	1/17/2023 10:16:37	0.0	0.1
150	1/17/2023 10:17:37	0.0	0.1
151	1/17/2023 10:18:37	0.0	0.1
152	1/17/2023 10:19:37	0.0	0.1
153	1/17/2023 10:20:37	0.0	0.1
154	1/17/2023 10:21:37	0.0	0.1
155	1/17/2023 10:22:37	0.0	0.1
156	1/17/2023 10:23:37	0.0	0.1
157	1/17/2023 10:24:37	0.0	0.1
158	1/17/2023 10:25:37	0.0	0.1
159	1/17/2023 10:26:37	0.0	0.1
160	1/17/2023 10:27:37	0.0	0.1
161	1/17/2023 10:28:37	0.0	0.1
162	1/17/2023 10:29:37	0.0	0.1
163	1/17/2023 10:30:37	0.0	0.1
164	1/17/2023 10:31:37	0.0	0.1
165	1/17/2023 10:32:37	0.0	0.1
166	1/17/2023 10:33:37	0.0	0.1
167	1/17/2023 10:34:37	0.0	0.1
168	1/17/2023 10:35:37	0.0	0.1
169	1/17/2023 10:36:37	0.0	0.1
170	1/17/2023 10:37:37	0.0	0.1
171	1/17/2023 10:38:37	0.0	0.1
172	1/17/2023 10:39:37	0.0	0.1
173	1/17/2023 10:40:37	0.0	0.1
174	1/17/2023 10:41:37	0.0	0.1
175	1/17/2023 10:42:37	0.0	0.1
176	1/17/2023 10:43:37	0.0	0.0
177	1/17/2023 10:44:37	0.0	0.0
178	1/17/2023 10:45:37	0.0	0.0
179	1/17/2023 10:46:37	0.0	0.0
180	1/17/2023 10:47:37	0.0	0.0
181	1/17/2023 10:48:37	0.0	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530094307
Firmware Version	3.1
Calibration Date	2/25/2022
Test Name	MANUAL_001
Test Start Time	7:43:15 AM
Test Start Date	1/17/2023
Test Length [D:H:M]	0:03:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.024
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	12

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.01		
2700	0.008		
3600	0.007		
4500	0.007		
5400	0.011		
6300	0.014		
7200	0.016		
8100	0.014		
9000	0.011		
9900	0.008		
10800	0.012		

Datalog

Current Event:23/01/17 07:42

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-601964
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	1/17/2023 07:42:53
End	1/17/2023 10:47:59
Sample Period(s)	60
Number of Records	185

Sensor	PID(ppm)
Sensor SN	S023030852B3
Measure Type	Min; Avg; Max; Real
Span	100.0
Span 2	1000.0
Low Alarm	50.0
High Alarm	100.0
Over Alarm	15000.0
STEL Alarm	25.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	1/12/2023 11:01
Peak	0.2
Min	0.0
Average	0.1

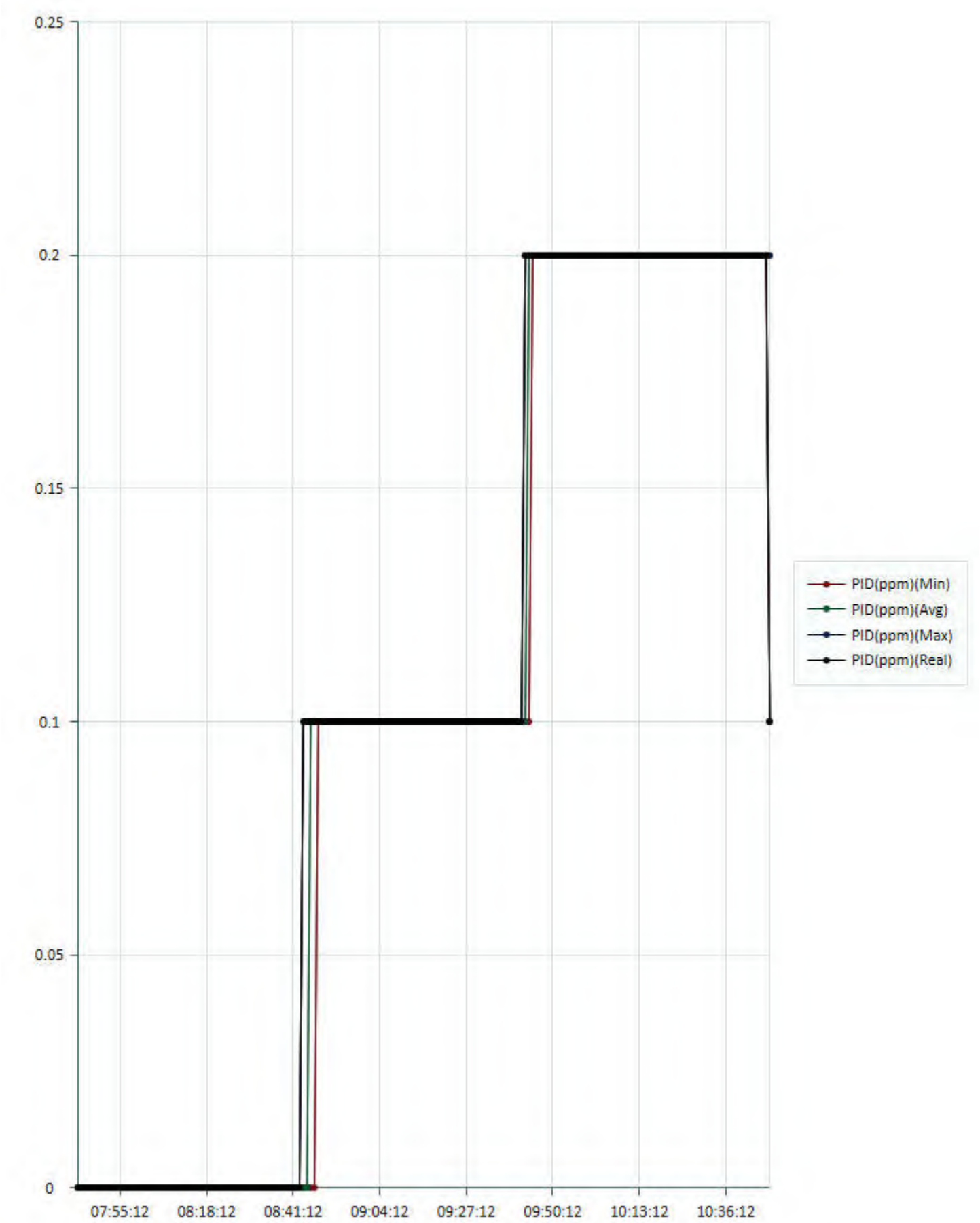
Sheet

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	1/17/2023 07:43:53	0.0	0.0	0.0	0.0
002	1/17/2023 07:44:53	0.0	0.0	0.0	0.0
003	1/17/2023 07:45:53	0.0	0.0	0.0	0.0
004	1/17/2023 07:46:53	0.0	0.0	0.0	0.0
005	1/17/2023 07:47:53	0.0	0.0	0.0	0.0
006	1/17/2023 07:48:53	0.0	0.0	0.0	0.0
007	1/17/2023 07:49:53	0.0	0.0	0.0	0.0
008	1/17/2023 07:50:53	0.0	0.0	0.0	0.0
009	1/17/2023 07:51:53	0.0	0.0	0.0	0.0
010	1/17/2023 07:52:53	0.0	0.0	0.0	0.0
011	1/17/2023 07:53:53	0.0	0.0	0.0	0.0
012	1/17/2023 07:54:53	0.0	0.0	0.0	0.0
013	1/17/2023 07:55:53	0.0	0.0	0.0	0.0
014	1/17/2023 07:56:53	0.0	0.0	0.0	0.0
015	1/17/2023 07:57:53	0.0	0.0	0.0	0.0
016	1/17/2023 07:58:53	0.0	0.0	0.0	0.0
017	1/17/2023 07:59:53	0.0	0.0	0.0	0.0
018	1/17/2023 08:00:53	0.0	0.0	0.0	0.0
019	1/17/2023 08:01:53	0.0	0.0	0.0	0.0
020	1/17/2023 08:02:53	0.0	0.0	0.0	0.0
021	1/17/2023 08:03:53	0.0	0.0	0.0	0.0
022	1/17/2023 08:04:53	0.0	0.0	0.0	0.0
023	1/17/2023 08:05:53	0.0	0.0	0.0	0.0
024	1/17/2023 08:06:53	0.0	0.0	0.0	0.0
025	1/17/2023 08:07:53	0.0	0.0	0.0	0.0
026	1/17/2023 08:08:53	0.0	0.0	0.0	0.0
027	1/17/2023 08:09:53	0.0	0.0	0.0	0.0
028	1/17/2023 08:10:53	0.0	0.0	0.0	0.0
029	1/17/2023 08:11:53	0.0	0.0	0.0	0.0
030	1/17/2023 08:12:53	0.0	0.0	0.0	0.0
031	1/17/2023 08:13:53	0.0	0.0	0.0	0.0
032	1/17/2023 08:14:53	0.0	0.0	0.0	0.0
033	1/17/2023 08:15:53	0.0	0.0	0.0	0.0
034	1/17/2023 08:16:53	0.0	0.0	0.0	0.0
035	1/17/2023 08:17:53	0.0	0.0	0.0	0.0
036	1/17/2023 08:18:53	0.0	0.0	0.0	0.0
037	1/17/2023 08:19:53	0.0	0.0	0.0	0.0
038	1/17/2023 08:20:53	0.0	0.0	0.0	0.0
039	1/17/2023 08:21:53	0.0	0.0	0.0	0.0
040	1/17/2023 08:22:53	0.0	0.0	0.0	0.0
041	1/17/2023 08:23:53	0.0	0.0	0.0	0.0
042	1/17/2023 08:24:53	0.0	0.0	0.0	0.0
043	1/17/2023 08:25:53	0.0	0.0	0.0	0.0
044	1/17/2023 08:26:53	0.0	0.0	0.0	0.0
045	1/17/2023 08:27:53	0.0	0.0	0.0	0.0
046	1/17/2023 08:28:53	0.0	0.0	0.0	0.0
047	1/17/2023 08:29:53	0.0	0.0	0.0	0.0
048	1/17/2023 08:30:53	0.0	0.0	0.0	0.0
049	1/17/2023 08:31:53	0.0	0.0	0.0	0.0
050	1/17/2023 08:32:53	0.0	0.0	0.0	0.0
051	1/17/2023 08:33:53	0.0	0.0	0.0	0.0
052	1/17/2023 08:34:53	0.0	0.0	0.0	0.0
053	1/17/2023 08:35:53	0.0	0.0	0.0	0.0
054	1/17/2023 08:36:53	0.0	0.0	0.0	0.0
055	1/17/2023 08:37:53	0.0	0.0	0.0	0.0
056	1/17/2023 08:38:53	0.0	0.0	0.0	0.0
057	1/17/2023 08:39:53	0.0	0.0	0.0	0.0
058	1/17/2023 08:40:53	0.0	0.0	0.0	0.0
059	1/17/2023 08:41:53	0.0	0.0	0.0	0.0
060	1/17/2023 08:42:53	0.0	0.0	0.0	0.0
061	1/17/2023 08:43:53	0.0	0.0	0.1	0.1

062	1/17/2023 08:44:53	0.0	0.0	0.1	0.1
063	1/17/2023 08:45:53	0.0	0.1	0.1	0.1
064	1/17/2023 08:46:53	0.0	0.1	0.1	0.1
065	1/17/2023 08:47:53	0.1	0.1	0.1	0.1
066	1/17/2023 08:48:53	0.1	0.1	0.1	0.1
067	1/17/2023 08:49:53	0.1	0.1	0.1	0.1
068	1/17/2023 08:50:53	0.1	0.1	0.1	0.1
069	1/17/2023 08:51:53	0.1	0.1	0.1	0.1
070	1/17/2023 08:52:53	0.1	0.1	0.1	0.1
071	1/17/2023 08:53:53	0.1	0.1	0.1	0.1
072	1/17/2023 08:54:53	0.1	0.1	0.1	0.1
073	1/17/2023 08:55:53	0.1	0.1	0.1	0.1
074	1/17/2023 08:56:53	0.1	0.1	0.1	0.1
075	1/17/2023 08:57:53	0.1	0.1	0.1	0.1
076	1/17/2023 08:58:53	0.1	0.1	0.1	0.1
077	1/17/2023 08:59:53	0.1	0.1	0.1	0.1
078	1/17/2023 09:00:53	0.1	0.1	0.1	0.1
079	1/17/2023 09:01:53	0.1	0.1	0.1	0.1
080	1/17/2023 09:02:53	0.1	0.1	0.1	0.1
081	1/17/2023 09:03:53	0.1	0.1	0.1	0.1
082	1/17/2023 09:04:53	0.1	0.1	0.1	0.1
083	1/17/2023 09:05:53	0.1	0.1	0.1	0.1
084	1/17/2023 09:06:53	0.1	0.1	0.1	0.1
085	1/17/2023 09:07:53	0.1	0.1	0.1	0.1
086	1/17/2023 09:08:53	0.1	0.1	0.1	0.1
087	1/17/2023 09:09:53	0.1	0.1	0.1	0.1
088	1/17/2023 09:10:53	0.1	0.1	0.1	0.1
089	1/17/2023 09:11:53	0.1	0.1	0.1	0.1
090	1/17/2023 09:12:53	0.1	0.1	0.1	0.1
091	1/17/2023 09:13:53	0.1	0.1	0.1	0.1
092	1/17/2023 09:14:53	0.1	0.1	0.1	0.1
093	1/17/2023 09:15:53	0.1	0.1	0.1	0.1
094	1/17/2023 09:16:53	0.1	0.1	0.1	0.1
095	1/17/2023 09:17:53	0.1	0.1	0.1	0.1
096	1/17/2023 09:18:53	0.1	0.1	0.1	0.1
097	1/17/2023 09:19:53	0.1	0.1	0.1	0.1
098	1/17/2023 09:20:53	0.1	0.1	0.1	0.1
099	1/17/2023 09:21:53	0.1	0.1	0.1	0.1
100	1/17/2023 09:22:53	0.1	0.1	0.1	0.1
101	1/17/2023 09:23:53	0.1	0.1	0.1	0.1
102	1/17/2023 09:24:53	0.1	0.1	0.1	0.1
103	1/17/2023 09:25:53	0.1	0.1	0.1	0.1
104	1/17/2023 09:26:53	0.1	0.1	0.1	0.1
105	1/17/2023 09:27:53	0.1	0.1	0.1	0.1
106	1/17/2023 09:28:53	0.1	0.1	0.1	0.1
107	1/17/2023 09:29:53	0.1	0.1	0.1	0.1
108	1/17/2023 09:30:53	0.1	0.1	0.1	0.1
109	1/17/2023 09:31:53	0.1	0.1	0.1	0.1
110	1/17/2023 09:32:53	0.1	0.1	0.1	0.1
111	1/17/2023 09:33:53	0.1	0.1	0.1	0.1
112	1/17/2023 09:34:53	0.1	0.1	0.1	0.1
113	1/17/2023 09:35:53	0.1	0.1	0.1	0.1
114	1/17/2023 09:36:53	0.1	0.1	0.1	0.1
115	1/17/2023 09:37:53	0.1	0.1	0.1	0.1
116	1/17/2023 09:38:53	0.1	0.1	0.1	0.1
117	1/17/2023 09:39:53	0.1	0.1	0.1	0.1
118	1/17/2023 09:40:53	0.1	0.1	0.1	0.1
119	1/17/2023 09:41:53	0.1	0.1	0.1	0.1
120	1/17/2023 09:42:53	0.1	0.1	0.2	0.2
121	1/17/2023 09:43:53	0.1	0.2	0.2	0.2
122	1/17/2023 09:44:53	0.2	0.2	0.2	0.2
123	1/17/2023 09:45:53	0.2	0.2	0.2	0.2
124	1/17/2023 09:46:53	0.2	0.2	0.2	0.2
125	1/17/2023 09:47:53	0.2	0.2	0.2	0.2
126	1/17/2023 09:48:53	0.2	0.2	0.2	0.2

127	1/17/2023 09:49:53	0.2	0.2	0.2	0.2
128	1/17/2023 09:50:53	0.2	0.2	0.2	0.2
129	1/17/2023 09:51:53	0.2	0.2	0.2	0.2
130	1/17/2023 09:52:53	0.2	0.2	0.2	0.2
131	1/17/2023 09:53:53	0.2	0.2	0.2	0.2
132	1/17/2023 09:54:53	0.2	0.2	0.2	0.2
133	1/17/2023 09:55:53	0.2	0.2	0.2	0.2
134	1/17/2023 09:56:53	0.2	0.2	0.2	0.2
135	1/17/2023 09:57:53	0.2	0.2	0.2	0.2
136	1/17/2023 09:58:53	0.2	0.2	0.2	0.2
137	1/17/2023 09:59:53	0.2	0.2	0.2	0.2
138	1/17/2023 10:00:53	0.2	0.2	0.2	0.2
139	1/17/2023 10:01:53	0.2	0.2	0.2	0.2
140	1/17/2023 10:02:53	0.2	0.2	0.2	0.2
141	1/17/2023 10:03:53	0.2	0.2	0.2	0.2
142	1/17/2023 10:04:53	0.2	0.2	0.2	0.2
143	1/17/2023 10:05:53	0.2	0.2	0.2	0.2
144	1/17/2023 10:06:53	0.2	0.2	0.2	0.2
145	1/17/2023 10:07:53	0.2	0.2	0.2	0.2
146	1/17/2023 10:08:53	0.2	0.2	0.2	0.2
147	1/17/2023 10:09:53	0.2	0.2	0.2	0.2
148	1/17/2023 10:10:53	0.2	0.2	0.2	0.2
149	1/17/2023 10:11:53	0.2	0.2	0.2	0.2
150	1/17/2023 10:12:53	0.2	0.2	0.2	0.2
151	1/17/2023 10:13:53	0.2	0.2	0.2	0.2
152	1/17/2023 10:14:53	0.2	0.2	0.2	0.2
153	1/17/2023 10:15:53	0.2	0.2	0.2	0.2
154	1/17/2023 10:16:53	0.2	0.2	0.2	0.2
155	1/17/2023 10:17:53	0.2	0.2	0.2	0.2
156	1/17/2023 10:18:53	0.2	0.2	0.2	0.2
157	1/17/2023 10:19:53	0.2	0.2	0.2	0.2
158	1/17/2023 10:20:53	0.2	0.2	0.2	0.2
159	1/17/2023 10:21:53	0.2	0.2	0.2	0.2
160	1/17/2023 10:22:53	0.2	0.2	0.2	0.2
161	1/17/2023 10:23:53	0.2	0.2	0.2	0.2
162	1/17/2023 10:24:53	0.2	0.2	0.2	0.2
163	1/17/2023 10:25:53	0.2	0.2	0.2	0.2
164	1/17/2023 10:26:53	0.2	0.2	0.2	0.2
165	1/17/2023 10:27:53	0.2	0.2	0.2	0.2
166	1/17/2023 10:28:53	0.2	0.2	0.2	0.2
167	1/17/2023 10:29:53	0.2	0.2	0.2	0.2
168	1/17/2023 10:30:53	0.2	0.2	0.2	0.2
169	1/17/2023 10:31:53	0.2	0.2	0.2	0.2
170	1/17/2023 10:32:53	0.2	0.2	0.2	0.2
171	1/17/2023 10:33:53	0.2	0.2	0.2	0.2
172	1/17/2023 10:34:53	0.2	0.2	0.2	0.2
173	1/17/2023 10:35:53	0.2	0.2	0.2	0.2
174	1/17/2023 10:36:53	0.2	0.2	0.2	0.2
175	1/17/2023 10:37:53	0.2	0.2	0.2	0.2
176	1/17/2023 10:38:53	0.2	0.2	0.2	0.2
177	1/17/2023 10:39:53	0.2	0.2	0.2	0.2
178	1/17/2023 10:40:53	0.2	0.2	0.2	0.2
179	1/17/2023 10:41:53	0.2	0.2	0.2	0.2
180	1/17/2023 10:42:53	0.2	0.2	0.2	0.2
181	1/17/2023 10:43:53	0.2	0.2	0.2	0.2
182	1/17/2023 10:44:53	0.2	0.2	0.2	0.2
183	1/17/2023 10:45:53	0.2	0.2	0.2	0.2
184	1/17/2023 10:46:53	0.2	0.2	0.2	0.2
185	1/17/2023 10:47:53	0.1	0.2	0.2	0.1
Peak		0.2	0.2	0.2	0.2
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

Graph



TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	1/17/2023 07:43:53	0.0	---
002	1/17/2023 07:44:53	0.0	---
003	1/17/2023 07:45:53	0.0	---
004	1/17/2023 07:46:53	0.0	---
005	1/17/2023 07:47:53	0.0	---
006	1/17/2023 07:48:53	0.0	---
007	1/17/2023 07:49:53	0.0	---
008	1/17/2023 07:50:53	0.0	---
009	1/17/2023 07:51:53	0.0	---
010	1/17/2023 07:52:53	0.0	---
011	1/17/2023 07:53:53	0.0	---
012	1/17/2023 07:54:53	0.0	---
013	1/17/2023 07:55:53	0.0	---
014	1/17/2023 07:56:53	0.0	---
015	1/17/2023 07:57:53	0.0	0.0
016	1/17/2023 07:58:53	0.0	0.0
017	1/17/2023 07:59:53	0.0	0.0
018	1/17/2023 08:00:53	0.0	0.0
019	1/17/2023 08:01:53	0.0	0.0
020	1/17/2023 08:02:53	0.0	0.0
021	1/17/2023 08:03:53	0.0	0.0
022	1/17/2023 08:04:53	0.0	0.0
023	1/17/2023 08:05:53	0.0	0.0
024	1/17/2023 08:06:53	0.0	0.0
025	1/17/2023 08:07:53	0.0	0.0
026	1/17/2023 08:08:53	0.0	0.0
027	1/17/2023 08:09:53	0.0	0.0
028	1/17/2023 08:10:53	0.0	0.0
029	1/17/2023 08:11:53	0.0	0.0
030	1/17/2023 08:12:53	0.0	0.0
031	1/17/2023 08:13:53	0.0	0.0
032	1/17/2023 08:14:53	0.0	0.0
033	1/17/2023 08:15:53	0.0	0.0
034	1/17/2023 08:16:53	0.0	0.0
035	1/17/2023 08:17:53	0.0	0.0
036	1/17/2023 08:18:53	0.0	0.0
037	1/17/2023 08:19:53	0.0	0.0
038	1/17/2023 08:20:53	0.0	0.0
039	1/17/2023 08:21:53	0.0	0.0
040	1/17/2023 08:22:53	0.0	0.0
041	1/17/2023 08:23:53	0.0	0.0
042	1/17/2023 08:24:53	0.0	0.0
043	1/17/2023 08:25:53	0.0	0.0
044	1/17/2023 08:26:53	0.0	0.0
045	1/17/2023 08:27:53	0.0	0.0
046	1/17/2023 08:28:53	0.0	0.0
047	1/17/2023 08:29:53	0.0	0.0
048	1/17/2023 08:30:53	0.0	0.0
049	1/17/2023 08:31:53	0.0	0.0
050	1/17/2023 08:32:53	0.0	0.0
051	1/17/2023 08:33:53	0.0	0.0
052	1/17/2023 08:34:53	0.0	0.0
053	1/17/2023 08:35:53	0.0	0.0
054	1/17/2023 08:36:53	0.0	0.0
055	1/17/2023 08:37:53	0.0	0.0
056	1/17/2023 08:38:53	0.0	0.0
057	1/17/2023 08:39:53	0.0	0.0
058	1/17/2023 08:40:53	0.0	0.0
059	1/17/2023 08:41:53	0.0	0.0
060	1/17/2023 08:42:53	0.0	0.0
061	1/17/2023 08:43:53	0.0	0.0

062	1/17/2023 08:44:53	0.0	0.0
063	1/17/2023 08:45:53	0.0	0.0
064	1/17/2023 08:46:53	0.0	0.0
065	1/17/2023 08:47:53	0.0	0.0
066	1/17/2023 08:48:53	0.0	0.0
067	1/17/2023 08:49:53	0.0	0.0
068	1/17/2023 08:50:53	0.0	0.1
069	1/17/2023 08:51:53	0.0	0.1
070	1/17/2023 08:52:53	0.0	0.1
071	1/17/2023 08:53:53	0.0	0.1
072	1/17/2023 08:54:53	0.0	0.1
073	1/17/2023 08:55:53	0.0	0.1
074	1/17/2023 08:56:53	0.0	0.1
075	1/17/2023 08:57:53	0.0	0.1
076	1/17/2023 08:58:53	0.0	0.1
077	1/17/2023 08:59:53	0.0	0.1
078	1/17/2023 09:00:53	0.0	0.1
079	1/17/2023 09:01:53	0.0	0.1
080	1/17/2023 09:02:53	0.0	0.1
081	1/17/2023 09:03:53	0.0	0.1
082	1/17/2023 09:04:53	0.0	0.1
083	1/17/2023 09:05:53	0.0	0.1
084	1/17/2023 09:06:53	0.0	0.1
085	1/17/2023 09:07:53	0.0	0.1
086	1/17/2023 09:08:53	0.0	0.1
087	1/17/2023 09:09:53	0.0	0.1
088	1/17/2023 09:10:53	0.0	0.1
089	1/17/2023 09:11:53	0.0	0.1
090	1/17/2023 09:12:53	0.0	0.1
091	1/17/2023 09:13:53	0.0	0.1
092	1/17/2023 09:14:53	0.0	0.1
093	1/17/2023 09:15:53	0.0	0.1
094	1/17/2023 09:16:53	0.0	0.1
095	1/17/2023 09:17:53	0.0	0.1
096	1/17/2023 09:18:53	0.0	0.1
097	1/17/2023 09:19:53	0.0	0.1
098	1/17/2023 09:20:53	0.0	0.1
099	1/17/2023 09:21:53	0.0	0.1
100	1/17/2023 09:22:53	0.0	0.1
101	1/17/2023 09:23:53	0.0	0.1
102	1/17/2023 09:24:53	0.0	0.1
103	1/17/2023 09:25:53	0.0	0.1
104	1/17/2023 09:26:53	0.0	0.1
105	1/17/2023 09:27:53	0.0	0.1
106	1/17/2023 09:28:53	0.0	0.1
107	1/17/2023 09:29:53	0.0	0.1
108	1/17/2023 09:30:53	0.0	0.1
109	1/17/2023 09:31:53	0.0	0.1
110	1/17/2023 09:32:53	0.0	0.1
111	1/17/2023 09:33:53	0.0	0.1
112	1/17/2023 09:34:53	0.0	0.1
113	1/17/2023 09:35:53	0.0	0.1
114	1/17/2023 09:36:53	0.0	0.1
115	1/17/2023 09:37:53	0.0	0.1
116	1/17/2023 09:38:53	0.0	0.1
117	1/17/2023 09:39:53	0.0	0.1
118	1/17/2023 09:40:53	0.0	0.1
119	1/17/2023 09:41:53	0.0	0.1
120	1/17/2023 09:42:53	0.0	0.1
121	1/17/2023 09:43:53	0.0	0.1
122	1/17/2023 09:44:53	0.0	0.1
123	1/17/2023 09:45:53	0.0	0.1
124	1/17/2023 09:46:53	0.0	0.1
125	1/17/2023 09:47:53	0.0	0.1
126	1/17/2023 09:48:53	0.0	0.2

127	1/17/2023 09:49:53	0.0	0.2
128	1/17/2023 09:50:53	0.0	0.2
129	1/17/2023 09:51:53	0.0	0.2
130	1/17/2023 09:52:53	0.0	0.2
131	1/17/2023 09:53:53	0.0	0.2
132	1/17/2023 09:54:53	0.0	0.2
133	1/17/2023 09:55:53	0.0	0.2
134	1/17/2023 09:56:53	0.0	0.2
135	1/17/2023 09:57:53	0.0	0.2
136	1/17/2023 09:58:53	0.0	0.2
137	1/17/2023 09:59:53	0.0	0.2
138	1/17/2023 10:00:53	0.0	0.2
139	1/17/2023 10:01:53	0.0	0.2
140	1/17/2023 10:02:53	0.0	0.2
141	1/17/2023 10:03:53	0.0	0.2
142	1/17/2023 10:04:53	0.0	0.2
143	1/17/2023 10:05:53	0.0	0.2
144	1/17/2023 10:06:53	0.0	0.2
145	1/17/2023 10:07:53	0.0	0.2
146	1/17/2023 10:08:53	0.0	0.2
147	1/17/2023 10:09:53	0.0	0.2
148	1/17/2023 10:10:53	0.0	0.2
149	1/17/2023 10:11:53	0.0	0.2
150	1/17/2023 10:12:53	0.0	0.2
151	1/17/2023 10:13:53	0.0	0.2
152	1/17/2023 10:14:53	0.0	0.2
153	1/17/2023 10:15:53	0.0	0.2
154	1/17/2023 10:16:53	0.0	0.2
155	1/17/2023 10:17:53	0.0	0.2
156	1/17/2023 10:18:53	0.0	0.2
157	1/17/2023 10:19:53	0.0	0.2
158	1/17/2023 10:20:53	0.0	0.2
159	1/17/2023 10:21:53	0.0	0.2
160	1/17/2023 10:22:53	0.0	0.2
161	1/17/2023 10:23:53	0.0	0.2
162	1/17/2023 10:24:53	0.0	0.2
163	1/17/2023 10:25:53	0.0	0.2
164	1/17/2023 10:26:53	0.0	0.2
165	1/17/2023 10:27:53	0.0	0.2
166	1/17/2023 10:28:53	0.0	0.2
167	1/17/2023 10:29:53	0.0	0.2
168	1/17/2023 10:30:53	0.0	0.2
169	1/17/2023 10:31:53	0.0	0.2
170	1/17/2023 10:32:53	0.0	0.2
171	1/17/2023 10:33:53	0.0	0.2
172	1/17/2023 10:34:53	0.0	0.2
173	1/17/2023 10:35:53	0.0	0.2
174	1/17/2023 10:36:53	0.0	0.2
175	1/17/2023 10:37:53	0.0	0.2
176	1/17/2023 10:38:53	0.0	0.2
177	1/17/2023 10:39:53	0.0	0.2
178	1/17/2023 10:40:53	0.0	0.2
179	1/17/2023 10:41:53	0.0	0.2
180	1/17/2023 10:42:53	0.0	0.2
181	1/17/2023 10:43:53	0.0	0.2
182	1/17/2023 10:44:53	0.0	0.2
183	1/17/2023 10:45:53	0.0	0.2
184	1/17/2023 10:46:53	0.0	0.2
185	1/17/2023 10:47:53	0.0	0.2

ATTACHMENT C

Laboratory Analytical Reports

November 7, 2022

Marnie Chancey
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 473 President Street, Brooklyn, NY
Client Job Number:
Project Number: C224220A
Laboratory Work Order Number: 22J4293

Enclosed are results of analyses for samples as received by the laboratory on October 28, 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. 413/525-2332NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Marnie Chancey

REPORT DATE: 11/7/2022

PURCHASE ORDER NUMBER: MULTI QN

PROJECT NUMBER: C224220A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J4293

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

PROJECT LOCATION: 473 President Street, Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
HRP-MW-1_10.27.22	22J4293-01	Ground Water		SW-846 8260D	
DUP-1_10.27.22	22J4293-02	Ground Water		SW-846 8260D	
Field Blank_10.27.22	22J4293-03	Ground Water		SW-846 8260D	
Lab Trip Blank	22J4293-04	Ground Water		SW-846 8260D	

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.

SW-846 8260D**Qualifications:**

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

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

22J4293-01[HRP-MW-1_10.27.22], B321738-MS1, B321738-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

B321738-MS1

cis-1,2-Dichloroethylene

B321738-MSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J4293-01[HRP-MW-1_10.27.22], 22J4293-02[DUP-1_10.27.22]

V-05

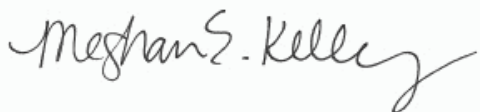
Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBP)**

22J4293-01[HRP-MW-1_10.27.22], 22J4293-02[DUP-1_10.27.22], 22J4293-03[Field Blank_10.27.22], 22J4293-04[Lab Trip Blank], B321738-BLK1, B321738-BS1, B321738-BSD1, B321738-MS1, B321738-MSD1, S078758-CCV1

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

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: HRP-MW-1_10.27.22

Sampled: 10/27/2022 11:28

Sample ID: 22J4293-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Benzene	ND	200	40	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromoform	ND	200	77	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
2-Butanone (MEK)	ND	4000	320	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200	V-05	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1-Dichloroethylene	30	200	28	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
cis-1,2-Dichloroethylene	3400	200	29	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
trans-1,2-Dichloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,4-Dioxane	ND	10000	4100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl Cyclohexane	92	200	49	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Styrene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,1,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Tetrachloroethylene	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: HRP-MW-1_10.27.22

Sampled: 10/27/2022 11:28

Sample ID: 22J4293-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Trichloroethylene	13000	200	38	µg/L	200	MS-19	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Vinyl Chloride	92	400	42	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.5	70-130	
4-Bromofluorobenzene	95.3	70-130	

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: HRP-MW-1_10.27.22

Sampled: 10/27/2022 11:28

Sample ID: 22J4293-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			200			SW-846 8260D	11/1/22	11/2/22 3:31	MF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: DUP-1_10.27.22

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Benzene	ND	200	40	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromoform	ND	200	77	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
2-Butanone (MEK)	440	4000	320	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200	V-05	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1-Dichloroethylene	36	200	28	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
cis-1,2-Dichloroethylene	3500	200	29	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
trans-1,2-Dichloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,4-Dioxane	ND	10000	4100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl Cyclohexane	ND	200	49	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Styrene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Tetrachloroethylene	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: DUP-1_10.27.22

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Trichloroethylene	14000	200	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Vinyl Chloride	100	400	42	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	96.6	70-130	

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: DUP-1_10.27.22

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			200			SW-846 8260D	11/1/22	11/2/22 3:57	MF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Field Blank_10.27.22

Sampled: 10/27/2022 12:00

Sample ID: 22J4293-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.9	50	2.0	µg/L	1	J	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Toluene	0.40	1.0	0.22	µg/L	1	J	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Field Blank_10.27.22

Sampled: 10/27/2022 12:00

Sample ID: 22J4293-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	97.1	70-130	
4-Bromofluorobenzene	95.6	70-130	

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Field Blank_10.27.22

Sampled: 10/27/2022 12:00

Sample ID: 22J4293-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/1/22	11/2/22 0:28	MF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Lab Trip Blank

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Lab Trip Blank

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	98.1	70-130	
4-Bromofluorobenzene	96.2	70-130	

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Lab Trip Blank

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	11/1/22	11/2/22 0:54	MF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J4293-01 [HRP-MW-1_10.27.22]	B321738	0.025	5.00	11/01/22
22J4293-02 [DUP-1_10.27.22]	B321738	0.025	5.00	11/01/22
22J4293-03 [Field Blank_10.27.22]	B321738	5	5.00	11/01/22
22J4293-04 [Lab Trip Blank]	B321738	5	5.00	11/01/22

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes

Batch B321738 - SW-846 5030B
Blank (B321738-BLK1)

Prepared & Analyzed: 11/01/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B321738 - SW-846 5030B										
Blank (B321738-BLK1)										
Prepared & Analyzed: 11/01/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	23.8		µg/L	25.0		95.3	70-130			
LCS (B321738-BS1)										
Prepared & Analyzed: 11/01/22										
Acetone	110	50	µg/L	100		110	70-160			†
Benzene	9.55	1.0	µg/L	10.0		95.5	70-130			
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130			
Bromodichloromethane	9.43	0.50	µg/L	10.0		94.3	70-130			
Bromoform	8.80	1.0	µg/L	10.0		88.0	70-130			
Bromomethane	8.50	2.0	µg/L	10.0		85.0	40-160			†
2-Butanone (MEK)	108	20	µg/L	100		108	40-160			†
Carbon Disulfide	98.3	5.0	µg/L	100		98.3	70-130			
Carbon Tetrachloride	9.66	5.0	µg/L	10.0		96.6	70-130			
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Chlorodibromomethane	9.46	0.50	µg/L	10.0		94.6	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	9.65	2.0	µg/L	10.0		96.5	70-130			
Chloromethane	9.08	2.0	µg/L	10.0		90.8	40-160			†
Cyclohexane	9.73	5.0	µg/L	10.0		97.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.21	5.0	µg/L	10.0		82.1	70-130			V-05
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130			
1,2-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8	70-130			
1,3-Dichlorobenzene	9.68	1.0	µg/L	10.0		96.8	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloroethane	9.85	1.0	µg/L	10.0		98.5	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	8.88	0.50	µg/L	10.0		88.8	70-130			
trans-1,3-Dichloropropene	8.51	0.50	µg/L	10.0		85.1	70-130			
1,4-Dioxane	82.6	50	µg/L	100		82.6	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.0		111	70-130			
Methyl tert-Butyl Ether (MTBE)	9.01	1.0	µg/L	10.0		90.1	70-130			
Methyl Cyclohexane	9.10	1.0	µg/L	10.0		91.0	70-130			
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130			
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106	70-160			†
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	9.15	0.50	µg/L	10.0		91.5	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	8.53	5.0	µg/L	10.0		85.3	70-130			
1,2,4-Trichlorobenzene	8.99	1.0	µg/L	10.0		89.9	70-130			
1,1,1-Trichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B321738 - SW-846 5030B										
LCS (B321738-BS1)										
Prepared & Analyzed: 11/01/22										
1,1,2-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
Vinyl Chloride	10.3	2.0	µg/L	10.0		103	40-160			†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	31.2	1.0	µg/L	30.0		104	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.3		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		97.8	70-130			
LCS Dup (B321738-BSD1)										
Prepared & Analyzed: 11/01/22										
Acetone	115	50	µg/L	100		115	70-160	4.74	25	†
Benzene	9.80	1.0	µg/L	10.0		98.0	70-130	2.58	25	
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	4.99	25	
Bromodichloromethane	9.34	0.50	µg/L	10.0		93.4	70-130	0.959	25	
Bromoform	9.10	1.0	µg/L	10.0		91.0	70-130	3.35	25	
Bromomethane	8.30	2.0	µg/L	10.0		83.0	40-160	2.38	25	†
2-Butanone (MEK)	111	20	µg/L	100		111	40-160	3.01	25	†
Carbon Disulfide	101	5.0	µg/L	100		101	70-130	2.38	25	
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	4.06	25	
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	2.19	25	
Chlorodibromomethane	9.61	0.50	µg/L	10.0		96.1	70-130	1.57	25	
Chloroethane	10.5	2.0	µg/L	10.0		105	70-130	1.73	25	
Chloroform	9.62	2.0	µg/L	10.0		96.2	70-130	0.311	25	
Chloromethane	9.42	2.0	µg/L	10.0		94.2	40-160	3.68	25	†
Cyclohexane	10.0	5.0	µg/L	10.0		100	70-130	2.74	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.47	5.0	µg/L	10.0		84.7	70-130	3.12	25	V-05
1,2-Dibromoethane (EDB)	10.3	0.50	µg/L	10.0		103	70-130	2.26	25	
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	0.599	25	
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.65	25	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.595	25	
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160	5.51	25	†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.17	25	
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130	6.58	25	
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	3.58	25	
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.27	25	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	1.63	25	
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130	0.387	25	
cis-1,3-Dichloropropene	8.91	0.50	µg/L	10.0		89.1	70-130	0.337	25	
trans-1,3-Dichloropropene	8.72	0.50	µg/L	10.0		87.2	70-130	2.44	25	
1,4-Dioxane	78.2	50	µg/L	100		78.2	40-130	5.48	50	† ‡
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.68	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	2.67	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	1.64	25	
Methyl Acetate	11.8	1.0	µg/L	10.0		118	70-130	6.02	25	
Methyl tert-Butyl Ether (MTBE)	9.16	1.0	µg/L	10.0		91.6	70-130	1.65	25	
Methyl Cyclohexane	9.67	1.0	µg/L	10.0		96.7	70-130	6.07	25	
Methylene Chloride	10.8	5.0	µg/L	10.0		108	70-130	2.35	25	
4-Methyl-2-pentanone (MIBK)	108	10	µg/L	100		108	70-160	2.33	25	†
Styrene	10.7	1.0	µg/L	10.0		107	70-130	2.93	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B321738 - SW-846 5030B
LCS Dup (B321738-BSD1)

Prepared & Analyzed: 11/01/22

1,1,2,2-Tetrachloroethane	9.24	0.50	µg/L	10.0		92.4	70-130	0.979	25	
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.0946	25	
Toluene	10.5	1.0	µg/L	10.0		105	70-130	1.25	25	
1,2,3-Trichlorobenzene	9.07	5.0	µg/L	10.0		90.7	70-130	6.14	25	
1,2,4-Trichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130	3.50	25	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	3.75	25	
1,1,2-Trichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	0.400	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	0.913	25	
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130	3.33	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	0.0958	25	
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160	2.30	25	†
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130	2.78	25	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.94	25	
Xylenes (total)	32.0	1.0	µg/L	30.0		107	0-200	2.50		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.6	70-130			

Matrix Spike (B321738-MS1)

Source: 22J4293-01

Prepared: 11/01/22 Analyzed: 11/02/22

Acetone	20100	10000	µg/L	20000	ND	100	70-130			
Benzene	1860	200	µg/L	2000	ND	93.0	70-130			
Bromochloromethane	2060	200	µg/L	2000	ND	103	70-130			
Bromodichloromethane	1700	100	µg/L	2000	ND	84.8	70-130			
Bromoform	1600	200	µg/L	2000	ND	80.0	70-130			
Bromomethane	1620	400	µg/L	2000	ND	81.0	70-130			
2-Butanone (MEK)	19600	4000	µg/L	20000	ND	98.2	70-130			
Carbon Disulfide	18600	1000	µg/L	20000	ND	92.9	70-130			
Carbon Tetrachloride	1870	1000	µg/L	2000	ND	93.4	70-130			
Chlorobenzene	2060	200	µg/L	2000	ND	103	70-130			
Chlorodibromomethane	1690	100	µg/L	2000	ND	84.3	70-130			
Chloroethane	2060	400	µg/L	2000	ND	103	70-130			
Chloroform	1800	400	µg/L	2000	ND	90.0	70-130			
Chloromethane	1580	400	µg/L	2000	ND	78.9	70-130			
Cyclohexane	1970	1000	µg/L	2000	ND	98.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	1430	1000	µg/L	2000	ND	71.7	70-130			V-05
1,2-Dibromoethane (EDB)	1770	100	µg/L	2000	ND	88.7	70-130			
1,2-Dichlorobenzene	1890	200	µg/L	2000	ND	94.4	70-130			
1,3-Dichlorobenzene	1830	200	µg/L	2000	ND	91.3	70-130			
1,4-Dichlorobenzene	1880	200	µg/L	2000	ND	93.9	70-130			
Dichlorodifluoromethane (Freon 12)	2020	400	µg/L	2000	ND	101	70-130			
1,1-Dichloroethane	1970	200	µg/L	2000	ND	98.5	70-130			
1,2-Dichloroethane	1910	200	µg/L	2000	ND	95.6	70-130			
1,1-Dichloroethylene	2050	200	µg/L	2000	30.0	101	70-130			
cis-1,2-Dichloroethylene	5740	200	µg/L	2000	3430	115	70-130			
trans-1,2-Dichloroethylene	1950	200	µg/L	2000	ND	97.6	70-130			
1,2-Dichloropropane	1900	200	µg/L	2000	ND	94.8	70-130			
cis-1,3-Dichloropropene	1520	100	µg/L	2000	ND	75.8	70-130			
trans-1,3-Dichloropropene	1430	100	µg/L	2000	ND	71.4	70-130			
1,4-Dioxane	13700	10000	µg/L	20000	ND	68.7	* 70-130			MS-24
Ethylbenzene	2050	200	µg/L	2000	ND	103	70-130			
2-Hexanone (MBK)	18400	2000	µg/L	20000	ND	91.8	70-130			
Isopropylbenzene (Cumene)	1950	200	µg/L	2000	ND	97.5	70-130			

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QUALITY CONTROL
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B321738 - SW-846 5030B										
Matrix Spike (B321738-MS1)	Source: 22J4293-01			Prepared: 11/01/22 Analyzed: 11/02/22						
Methyl Acetate	1960	200	µg/L	2000	ND	98.0	70-130			
Methyl tert-Butyl Ether (MTBE)	1650	200	µg/L	2000	ND	82.3	70-130			
Methyl Cyclohexane	1740	200	µg/L	2000	92.0	82.3	70-130			
Methylene Chloride	2050	1000	µg/L	2000	ND	103	70-130			
4-Methyl-2-pentanone (MIBK)	18700	2000	µg/L	20000	ND	93.6	70-130			
Styrene	1980	200	µg/L	2000	ND	98.9	70-130			
1,1,2,2-Tetrachloroethane	1790	100	µg/L	2000	ND	89.5	70-130			
Tetrachloroethylene	2050	200	µg/L	2000	ND	102	70-130			
Toluene	1870	200	µg/L	2000	ND	93.6	70-130			
1,2,3-Trichlorobenzene	1530	1000	µg/L	2000	ND	76.4	70-130			
1,2,4-Trichlorobenzene	1630	200	µg/L	2000	ND	81.6	70-130			
1,1,1-Trichloroethane	1890	200	µg/L	2000	ND	94.3	70-130			
1,1,2-Trichloroethane	1760	200	µg/L	2000	ND	88.2	70-130			
Trichloroethylene	17200	200	µg/L	2000	13500	186	* 70-130			MS-19
Trichlorofluoromethane (Freon 11)	2100	400	µg/L	2000	ND	105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2000	200	µg/L	2000	ND	99.9	70-130			
Vinyl Chloride	2120	400	µg/L	2000	92.0	101	70-130			
m+p Xylene	4040	400	µg/L	4000	ND	101	70-130			
o-Xylene	1980	200	µg/L	2000	ND	99.0	70-130			
Xylenes (total)	6020	200	µg/L	6000	ND	100	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			
Matrix Spike Dup (B321738-MSD1)	Source: 22J4293-01			Prepared: 11/01/22 Analyzed: 11/02/22						
Acetone	20100	10000	µg/L	20000	ND	101	70-130	0.309	30	
Benzene	1820	200	µg/L	2000	ND	91.0	70-130	2.17	30	
Bromochloromethane	1980	200	µg/L	2000	ND	98.8	70-130	4.26	30	
Bromodichloromethane	1710	100	µg/L	2000	ND	85.6	70-130	0.939	30	
Bromoform	1590	200	µg/L	2000	ND	79.4	70-130	0.753	30	
Bromomethane	1440	400	µg/L	2000	ND	72.2	70-130	11.5	30	
2-Butanone (MEK)	19800	4000	µg/L	20000	ND	98.9	70-130	0.680	30	
Carbon Disulfide	18100	1000	µg/L	20000	ND	90.6	70-130	2.53	30	
Carbon Tetrachloride	1860	1000	µg/L	2000	ND	93.1	70-130	0.322	30	
Chlorobenzene	2030	200	µg/L	2000	ND	101	70-130	1.76	30	
Chlorodibromomethane	1670	100	µg/L	2000	ND	83.5	70-130	0.954	30	
Chloroethane	2040	400	µg/L	2000	ND	102	70-130	1.17	30	
Chloroform	1750	400	µg/L	2000	ND	87.7	70-130	2.59	30	
Chloromethane	1570	400	µg/L	2000	ND	78.7	70-130	0.254	30	
Cyclohexane	1940	1000	µg/L	2000	ND	96.9	70-130	1.84	30	
1,2-Dibromo-3-chloropropane (DBCP)	1450	1000	µg/L	2000	ND	72.7	70-130	1.39	30	V-05
1,2-Dibromoethane (EDB)	1840	100	µg/L	2000	ND	91.8	70-130	3.43	30	
1,2-Dichlorobenzene	1860	200	µg/L	2000	ND	93.1	70-130	1.39	30	
1,3-Dichlorobenzene	1790	200	µg/L	2000	ND	89.4	70-130	2.10	30	
1,4-Dichlorobenzene	1860	200	µg/L	2000	ND	92.9	70-130	1.07	30	
Dichlorodifluoromethane (Freon 12)	1900	400	µg/L	2000	ND	95.0	70-130	6.32	30	
1,1-Dichloroethane	1950	200	µg/L	2000	ND	97.4	70-130	1.12	30	
1,2-Dichloroethane	1880	200	µg/L	2000	ND	94.2	70-130	1.48	30	
1,1-Dichloroethylene	1990	200	µg/L	2000	30.0	98.0	70-130	2.78	30	
cis-1,2-Dichloroethylene	6060	200	µg/L	2000	3430	131	* 70-130	5.49	30	MS-24
trans-1,2-Dichloroethylene	1950	200	µg/L	2000	ND	97.3	70-130	0.308	30	
1,2-Dichloropropane	1890	200	µg/L	2000	ND	94.6	70-130	0.211	30	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B321738 - SW-846 5030B										
Matrix Spike Dup (B321738-MSD1)		Source: 22J4293-01		Prepared: 11/01/22 Analyzed: 11/02/22						
cis-1,3-Dichloropropene	1490	100	µg/L	2000	ND	74.3	70-130	2.00	30	
trans-1,3-Dichloropropene	1440	100	µg/L	2000	ND	71.9	70-130	0.698	30	
1,4-Dioxane	15400	10000	µg/L	20000	ND	76.8	70-130	11.2	30	
Ethylbenzene	2000	200	µg/L	2000	ND	100	70-130	2.56	30	
2-Hexanone (MBK)	18900	2000	µg/L	20000	ND	94.6	70-130	3.00	30	
Isopropylbenzene (Cumene)	1930	200	µg/L	2000	ND	96.7	70-130	0.824	30	
Methyl Acetate	2050	200	µg/L	2000	ND	102	70-130	4.49	30	
Methyl tert-Butyl Ether (MTBE)	1630	200	µg/L	2000	ND	81.3	70-130	1.22	30	
Methyl Cyclohexane	1780	200	µg/L	2000	92.0	84.2	70-130	2.16	30	
Methylene Chloride	1970	1000	µg/L	2000	ND	98.4	70-130	4.28	30	
4-Methyl-2-pentanone (MIBK)	19300	2000	µg/L	20000	ND	96.5	70-130	3.10	30	
Styrene	1890	200	µg/L	2000	ND	94.3	70-130	4.76	30	
1,1,2,2-Tetrachloroethane	1810	100	µg/L	2000	ND	90.4	70-130	1.00	30	
Tetrachloroethylene	1980	200	µg/L	2000	ND	99.1	70-130	3.28	30	
Toluene	1900	200	µg/L	2000	ND	95.1	70-130	1.59	30	
1,2,3-Trichlorobenzene	1570	1000	µg/L	2000	ND	78.3	70-130	2.46	30	
1,2,4-Trichlorobenzene	1600	200	µg/L	2000	ND	79.8	70-130	2.23	30	
1,1,1-Trichloroethane	1900	200	µg/L	2000	ND	95.0	70-130	0.740	30	
1,1,2-Trichloroethane	1830	200	µg/L	2000	ND	91.4	70-130	3.56	30	
Trichloroethylene	19300	200	µg/L	2000	13500	289	* 70-130	11.3	30	MS-19
Trichlorofluoromethane (Freon 11)	2040	400	µg/L	2000	ND	102	70-130	2.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1920	200	µg/L	2000	ND	96.0	70-130	3.98	30	
Vinyl Chloride	2100	400	µg/L	2000	92.0	100	70-130	1.14	30	
m+p Xylene	3940	400	µg/L	4000	ND	98.6	70-130	2.40	20	
o-Xylene	1920	200	µg/L	2000	ND	96.2	70-130	2.87	30	
Xylenes (total)	5870	200	µg/L	6000	ND	97.8	0-200	2.56		
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.0		98.9	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		98.2	70-130			

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QUALITY CONTROL**Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B321738 - SW-846 5030B**Blank (B321738-BLK1)**

Prepared & Analyzed: 11/01/22

No TICs Found0.0µg/L

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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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
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.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Doc# 277 Rev 6 July 2022

Login 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 HRRP
Received By cmw Date 10/28/22 Time 1625
How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct From Sample _____ Ambient _____ Melted Ice _____
Were samples within Temperature? Within 2-6°C _____ By Gun # 5 Actual Temp - 2.2
By Blank # _____ Actual Temp - _____
Was Custody Seal In tact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client? T Analysis? T Sampler Name? T
pertinent Information? Project? T ID's? T Collection Dates/Times? T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? F MS/MSB? F
Proper Media/Containers Used? T splitting samples require F
Were trip blanks receive T On COC? T
Do All Samples Have the proper pH? NA Acid NA Base NA

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>17</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

February 7, 2023

Marnie Chancey
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 473 President St., Brooklyn, NY
Client Job Number:
Project Number: C224220A
Laboratory Work Order Number: 23A2674

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

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Marnie Chancey

REPORT DATE: 2/7/2023

PURCHASE ORDER NUMBER: MULTI QN

PROJECT NUMBER: C224220A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23A2674

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

PROJECT LOCATION: 473 President St., Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
HRP-MW-5	23A2674-01	Water		SW-846 8260D	
HRP-MW-3	23A2674-02	Water		SW-846 8260D	
HRP-MW-2	23A2674-03	Water		SW-846 8260D	
HRP-MW-4	23A2674-04	Water		SW-846 8260D	
Lab Trip Blank	23A2674-05	Water		SW-846 8260D	

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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.

SW-846 8260D**Qualifications:**

L-02

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

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

B329990-BS1, B329990-BSD1, S082590-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23A2674-03[HRP-MW-2], 23A2674-04[HRP-MW-4]

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-Dibromo-3-chloropropane (DBCP)**

23A2674-01[HRP-MW-5], 23A2674-02[HRP-MW-3], 23A2674-03[HRP-MW-2], 23A2674-04[HRP-MW-4], 23A2674-05[Lab Trip Blank], B329990-BLK1, B329990-BS1, B329990-BSD1, S082590-CCV1

Bromoform

23A2674-01[HRP-MW-5], 23A2674-02[HRP-MW-3], 23A2674-03[HRP-MW-2], 23A2674-04[HRP-MW-4], 23A2674-05[Lab Trip Blank], B329990-BLK1, B329990-BS1, B329990-BSD1, S082590-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:**Chloromethane**

B329990-BS1, B329990-BSD1, S082590-CCV1

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

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-5

Sampled: 1/24/2023 08:25

Sample ID: 23A2674-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	17	50	2.0	µg/L	1	J	SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Bromoform	ND	1.0	0.38	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
cis-1,2-Dichloroethylene	0.21	1.0	0.15	µg/L	1	J	SW-846 8260D	1/30/23	1/30/23 17:47	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Methyl Cyclohexane	2.7	1.0	0.24	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Tetrachloroethylene	4.7	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Toluene	68	1.0	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-5

Sampled: 1/24/2023 08:25

Sample ID: 23A2674-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Trichloroethylene	1.0	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/30/23	1/30/23 17:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	85.2	70-130	
4-Bromofluorobenzene	93.9	70-130	

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-3

Sampled: 1/24/2023 13:30

Sample ID: 23A2674-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Benzene	0.94	1.0	0.20	µg/L	1	J	SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Bromoform	ND	1.0	0.38	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Methyl tert-Butyl Ether (MTBE)	2.0	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Toluene	1.1	1.0	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-3

Sampled: 1/24/2023 13:30

Sample ID: 23A2674-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/30/23	1/30/23 12:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	92.8	70-130	
4-Bromofluorobenzene	94.8	70-130	

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-2

Sampled: 1/24/2023 14:20

Sample ID: 23A2674-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Bromoform	ND	2.0	0.77	µg/L	2	V-05	SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Chloroform	0.44	4.0	0.34	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	V-05	SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
cis-1,2-Dichloroethylene	0.88	2.0	0.29	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 18:40	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Tetrachloroethylene	100	2.0	0.37	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-2

Sampled: 1/24/2023 14:20

Sample ID: 23A2674-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Trichloroethylene	0.52	2.0	0.38	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	1/30/23	1/30/23 18:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	96.3	70-130	

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-4

Sampled: 1/24/2023 15:10

Sample ID: 23A2674-04

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	100	4.1	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Bromoform	ND	2.0	0.77	µg/L	2	V-05	SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Bromomethane	ND	4.0	3.1	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Chloroform	0.76	4.0	0.34	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2	V-05	SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
cis-1,2-Dichloroethylene	0.94	2.0	0.29	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 19:07	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Tetrachloroethylene	100	2.0	0.37	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: HRP-MW-4

Sampled: 1/24/2023 15:10

Sample ID: 23A2674-04

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Trichloroethylene	0.94	2.0	0.38	µg/L	2	J	SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	1/30/23	1/30/23 19:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	94.4	70-130	
4-Bromofluorobenzene	95.0	70-130	

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: Lab Trip Blank

Sampled: 1/24/2023 13:30

Sample ID: 23A2674-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Bromoform	ND	1.0	0.38	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Chloroform	0.71	2.0	0.17	µg/L	1	J	SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF

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

Project Location: 473 President St., Brooklyn, NY

Sample Description:

Work Order: 23A2674

Date Received: 1/26/2023

Field Sample #: Lab Trip Blank

Sampled: 1/24/2023 13:30

Sample ID: 23A2674-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	1/30/23	1/30/23 11:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	93.8	70-130	
4-Bromofluorobenzene	95.7	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23A2674-01 [HRP-MW-5]	B329990	5	5.00	01/30/23
23A2674-02 [HRP-MW-3]	B329990	5	5.00	01/30/23
23A2674-03 [HRP-MW-2]	B329990	2.5	5.00	01/30/23
23A2674-04 [HRP-MW-4]	B329990	2.5	5.00	01/30/23
23A2674-05 [Lab Trip Blank]	B329990	5	5.00	01/30/23

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B329990 - SW-846 5030B									
Blank (B329990-BLK1)				Prepared & Analyzed: 01/30/23					
Acetone	ND	50	µg/L						
Benzene	ND	1.0	µg/L						
Bromochloromethane	ND	1.0	µg/L						
Bromodichloromethane	ND	0.50	µg/L						
Bromoform	ND	1.0	µg/L						V-05
Bromomethane	ND	2.0	µg/L						
2-Butanone (MEK)	ND	20	µg/L						
Carbon Disulfide	ND	5.0	µg/L						
Carbon Tetrachloride	ND	5.0	µg/L						
Chlorobenzene	ND	1.0	µg/L						
Chlorodibromomethane	ND	0.50	µg/L						
Chloroethane	ND	2.0	µg/L						
Chloroform	ND	2.0	µg/L						
Chloromethane	ND	2.0	µg/L						
Cyclohexane	ND	5.0	µg/L						
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L						V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L						
1,2-Dichlorobenzene	ND	1.0	µg/L						
1,3-Dichlorobenzene	ND	1.0	µg/L						
1,4-Dichlorobenzene	ND	1.0	µg/L						
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L						
1,1-Dichloroethane	ND	1.0	µg/L						
1,2-Dichloroethane	ND	1.0	µg/L						
1,1-Dichloroethylene	ND	1.0	µg/L						
cis-1,2-Dichloroethylene	ND	1.0	µg/L						
trans-1,2-Dichloroethylene	ND	1.0	µg/L						
1,2-Dichloropropane	ND	1.0	µg/L						
cis-1,3-Dichloropropene	ND	0.50	µg/L						
trans-1,3-Dichloropropene	ND	0.50	µg/L						
1,4-Dioxane	ND	50	µg/L						
Ethylbenzene	ND	1.0	µg/L						
2-Hexanone (MBK)	ND	10	µg/L						
Isopropylbenzene (Cumene)	ND	1.0	µg/L						
Methyl Acetate	ND	1.0	µg/L						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L						
Methyl Cyclohexane	ND	1.0	µg/L						
Methylene Chloride	ND	5.0	µg/L						
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L						
Styrene	ND	1.0	µg/L						
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L						
Tetrachloroethylene	ND	1.0	µg/L						
Toluene	ND	1.0	µg/L						
1,2,3-Trichlorobenzene	ND	5.0	µg/L						
1,2,4-Trichlorobenzene	ND	1.0	µg/L						
1,1,1-Trichloroethane	ND	1.0	µg/L						
1,1,2-Trichloroethane	ND	1.0	µg/L						
Trichloroethylene	ND	1.0	µg/L						
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L						
Vinyl Chloride	ND	2.0	µg/L						
m+p Xylene	ND	2.0	µg/L						

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B329990 - SW-846 5030B										
Blank (B329990-BLK1)										
Prepared & Analyzed: 01/30/23										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			
LCS (B329990-BS1)										
Prepared & Analyzed: 01/30/23										
Acetone	106	50	µg/L	100		106	70-160			†
Benzene	10.9	1.0	µg/L	10.0		109	70-130			
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130			
Bromodichloromethane	8.98	0.50	µg/L	10.0		89.8	70-130			
Bromoform	8.03	1.0	µg/L	10.0		80.3	70-130			V-05
Bromomethane	11.2	2.0	µg/L	10.0		112	40-160			†
2-Butanone (MEK)	123	20	µg/L	100		123	40-160			†
Carbon Disulfide	101	5.0	µg/L	100		101	70-130			
Carbon Tetrachloride	9.17	5.0	µg/L	10.0		91.7	70-130			
Chlorobenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
Chlorodibromomethane	7.98	0.50	µg/L	10.0		79.8	70-130			
Chloroethane	9.57	2.0	µg/L	10.0		95.7	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	24.3	2.0	µg/L	10.0		243 *	40-160			L-02, V-20 †
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.48	5.0	µg/L	10.0		94.8	70-130			V-05
1,2-Dibromoethane (EDB)	9.49	0.50	µg/L	10.0		94.9	70-130			
1,2-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,3-Dichlorobenzene	9.77	1.0	µg/L	10.0		97.7	70-130			
1,4-Dichlorobenzene	9.50	1.0	µg/L	10.0		95.0	70-130			
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0		104	40-160			†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	9.46	1.0	µg/L	10.0		94.6	70-130			
1,1-Dichloroethylene	9.38	1.0	µg/L	10.0		93.8	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
cis-1,3-Dichloropropene	9.10	0.50	µg/L	10.0		91.0	70-130			
trans-1,3-Dichloropropene	8.90	0.50	µg/L	10.0		89.0	70-130			
1,4-Dioxane	89.9	50	µg/L	100		89.9	40-130			†
Ethylbenzene	9.68	1.0	µg/L	10.0		96.8	70-130			
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160			†
Isopropylbenzene (Cumene)	9.52	1.0	µg/L	10.0		95.2	70-130			
Methyl Acetate	11.9	1.0	µg/L	10.0		119	70-130			
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130			
Methylene Chloride	9.99	5.0	µg/L	10.0		99.9	70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160			†
Styrene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,1,2,2-Tetrachloroethane	9.80	0.50	µg/L	10.0		98.0	70-130			
Tetrachloroethylene	8.72	1.0	µg/L	10.0		87.2	70-130			
Toluene	9.26	1.0	µg/L	10.0		92.6	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	9.68	1.0	µg/L	10.0		96.8	70-130			

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B329990 - SW-846 5030B										
LCS (B329990-BS1)				Prepared & Analyzed: 01/30/23						
1,1,2-Trichloroethane	9.34	1.0	µg/L	10.0		93.4	70-130			
Trichloroethylene	9.49	1.0	µg/L	10.0		94.9	70-130			
Trichlorofluoromethane (Freon 11)	9.48	2.0	µg/L	10.0		94.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	10.5	2.0	µg/L	10.0		105	40-160			†
m+p Xylene	19.3	2.0	µg/L	20.0		96.4	70-130			
o-Xylene	9.45	1.0	µg/L	10.0		94.5	70-130			
Xylenes (total)	28.7	1.0	µg/L	30.0		95.7	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.2	70-130			
Surrogate: Toluene-d8	23.8		µg/L	25.0		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			
LCS Dup (B329990-BSD1)				Prepared & Analyzed: 01/30/23						
Acetone	105	50	µg/L	100		105	70-160	0.559	25	†
Benzene	11.2	1.0	µg/L	10.0		112	70-130	1.99	25	
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130	3.59	25	
Bromodichloromethane	9.28	0.50	µg/L	10.0		92.8	70-130	3.29	25	
Bromoform	8.13	1.0	µg/L	10.0		81.3	70-130	1.24	25	V-05
Bromomethane	11.3	2.0	µg/L	10.0		113	40-160	1.24	25	†
2-Butanone (MEK)	119	20	µg/L	100		119	40-160	3.75	25	†
Carbon Disulfide	103	5.0	µg/L	100		103	70-130	2.46	25	
Carbon Tetrachloride	9.74	5.0	µg/L	10.0		97.4	70-130	6.03	25	
Chlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.06	25	
Chlorodibromomethane	8.43	0.50	µg/L	10.0		84.3	70-130	5.48	25	
Chloroethane	9.83	2.0	µg/L	10.0		98.3	70-130	2.68	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	1.65	25	
Chloromethane	25.1	2.0	µg/L	10.0		251	* 40-160	3.36	25	L-02, V-20 †
Cyclohexane	11.0	5.0	µg/L	10.0		110	70-130	2.58	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.77	5.0	µg/L	10.0		87.7	70-130	7.78	25	V-05
1,2-Dibromoethane (EDB)	9.47	0.50	µg/L	10.0		94.7	70-130	0.211	25	
1,2-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	0.615	25	
1,3-Dichlorobenzene	9.95	1.0	µg/L	10.0		99.5	70-130	1.83	25	
1,4-Dichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130	1.98	25	
Dichlorodifluoromethane (Freon 12)	10.8	2.0	µg/L	10.0		108	40-160	4.34	25	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.584	25	
1,2-Dichloroethane	9.64	1.0	µg/L	10.0		96.4	70-130	1.88	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	6.80	25	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	2.91	25	
trans-1,2-Dichloroethylene	9.85	1.0	µg/L	10.0		98.5	70-130	0.101	25	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	5.04	25	
cis-1,3-Dichloropropene	9.45	0.50	µg/L	10.0		94.5	70-130	3.77	25	
trans-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1	70-130	1.23	25	
1,4-Dioxane	95.2	50	µg/L	100		95.2	40-130	5.69	50	† ‡
Ethylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	2.65	25	
2-Hexanone (MBK)	101	10	µg/L	100		101	70-160	0.865	25	†
Isopropylbenzene (Cumene)	9.79	1.0	µg/L	10.0		97.9	70-130	2.80	25	
Methyl Acetate	11.6	1.0	µg/L	10.0		116	70-130	2.04	25	
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	0.382	25	
Methyl Cyclohexane	11.6	1.0	µg/L	10.0		116	70-130	11.2	25	
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130	5.07	25	
4-Methyl-2-pentanone (MIBK)	98.0	10	µg/L	100		98.0	70-160	3.24	25	†
Styrene	10.1	1.0	µg/L	10.0		101	70-130	3.52	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B329990 - SW-846 5030B										
LCS Dup (B329990-BSD1)				Prepared & Analyzed: 01/30/23						
1,1,2,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130	2.72	25	
Tetrachloroethylene	9.37	1.0	µg/L	10.0		93.7	70-130	7.19	25	
Toluene	9.42	1.0	µg/L	10.0		94.2	70-130	1.71	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	0.489	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.04	25	
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130	3.55	25	
1,1,2-Trichloroethane	9.56	1.0	µg/L	10.0		95.6	70-130	2.33	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	7.51	25	
Trichlorofluoromethane (Freon 11)	9.90	2.0	µg/L	10.0		99.0	70-130	4.33	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	0.0955	25	
Vinyl Chloride	10.9	2.0	µg/L	10.0		109	40-160	3.09	25	†
m+p Xylene	19.7	2.0	µg/L	20.0		98.6	70-130	2.26	25	
o-Xylene	9.75	1.0	µg/L	10.0		97.5	70-130	3.13	25	
Xylenes (total)	29.5	1.0	µg/L	30.0		98.2	0-200	2.54		
Surrogate: 1,2-Dichloroethane-d4	25.1		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	23.7		µg/L	25.0		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		96.2	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high 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.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

[illegible]

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

ENV-FRM-ELON-0001 v02__ Sample Receiving Checklist 1-12-2023

Log In Back-Sheet

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



Client HRP
Project 473 President St
MCP/RCP Required No
Deliverable Package Requirement Cat B
Location 473 President St, Brooklyn NY
PWSID# (When Applicable) NA
Arrival Method Courier
Received By / Date / Time EL 1/26/23 1712
Back-Sheet By / Date / Time EL 1/26/23 2129
Temperature Method gun # 5
Temp < 6° C ☒ Actual Temperature 4.1
Rush Samples: Yes / ☒ No Notify
Short Hold: Yes / ☒ No Notify

Notes regarding Samples/COC outside of SOP:

1 vial for sample MW-5
received broken

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper PH	<u>NA</u> ☐	☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative	
1L Amber Plastic									
500 mL Amber Plastic									
250 mL Amber Plastic									
Other Amber Clear Plastic									
16oz Amber Clear									
8oz Amber Clear									
4oz Amber Clear									
2oz Amber Clear									
Col/Bacteria									
Flashpoint									
Plastic Bag									
SOC Kit									
Perchlorate									
Encore									
Frozen									
	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	7		19						

November 2, 2022

Marnie Chancey
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

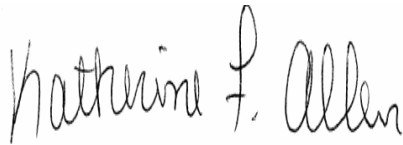
Project Location: 473 President St, Brooklyn, NY
Client Job Number:
Project Number: C224220A
Laboratory Work Order Number: 22J3301

Enclosed are results of analyses for samples as received by the laboratory on October 21, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Marnie Chancey

REPORT DATE: 11/2/2022

PURCHASE ORDER NUMBER: MULTI QN

PROJECT NUMBER: C224220A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J3301

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

PROJECT LOCATION: 473 President St, Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SV-1_10.20.22	22J3301-01	Soil Gas		- EPA TO-15	
SV-2_10.20.22	22J3301-02	Soil Gas		- EPA TO-15	
SV-3_10.20.22	22J3301-03	Soil Gas		- EPA TO-15	
SV-4_10.20.22	22J3301-04	Soil Gas		- EPA TO-15	
SV-5_10.20.22	22J3301-05	Soil Gas		- EPA TO-15	
SV-6_10.20.22	22J3301-06	Soil Gas		- EPA TO-15	
SV-7_10.20.22	22J3301-07	Soil Gas		- EPA TO-15	
SV-8_10.20.22	22J3301-08	Soil Gas		- EPA TO-15	
SV-9_10.20.22	22J3301-09	Soil Gas		-	
SV-10_10.20.22	22J3301-10	Soil Gas		- EPA TO-15	
SV-11_10.20.22	22J3301-11	Soil Gas		- EPA TO-15	
SV-12_10.20.22	22J3301-12	Soil Gas		- EPA TO-15	
SV-13_10.20.22	22J3301-13	Soil Gas		- EPA TO-15	
SV-14_10.20.22	22J3301-14	Soil Gas		- EPA TO-15	
OA-1_10.20.22	22J3301-15	Soil Gas		- EPA TO-15	
UNUSED-1927/4152	22J3301-16	Soil Gas		-	
UNUSED-2161/4152	22J3301-17	Soil Gas		-	

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:

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, 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114), Ethanol, Hexachlorobutadiene, Isopropanol, Naphthalene

22J3301-01[SV-1_10.20.22], 22J3301-02[SV-2_10.20.22], 22J3301-03[SV-3_10.20.22], 22J3301-04[SV-4_10.20.22], 22J3301-05[SV-5_10.20.22], 22J3301-06[SV-6_10.20.22], 22J3301-07[SV-7_10.20.22], 22J3301-08[SV-8_10.20.22], 22J3301-10[SV-10_10.20.22], 22J3301-11[SV-11_10.20.22], 22J3301-12[SV-12_10.20.22], 22J3301-13[SV-13_10.20.22], 22J3301-14[SV-14_10.20.22], 22J3301-15[OA-1_10.20.22], B321777-BLK1, B321777-BS1, B321905-BLK1, B321905-BS1, B321905-DUP1

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

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



Meghan E. Kelley
Reporting Specialist

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-1_10.20.22
Sample ID: 22J3301-01
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:44

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1137
 Canister Size: 6 liter
 Flow Controller ID: 4436
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.0
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	15	8.0	4.8		36	19	11	4	11/1/22 2:12		CMR
Benzene	0.27	0.20	0.15		0.87	0.64	0.48	4	11/1/22 2:12		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 2:12		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 2:12		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 2:12		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 2:12		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 2:12		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 2:12		CMR
Carbon Disulfide	0.43	2.0	0.18	J	1.3	6.2	0.58	4	11/1/22 2:12		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 2:12		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 2:12		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 2:12		CMR
Chloroform	2.6	0.20	0.19		13	0.98	0.93	4	11/1/22 2:12		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 2:12		CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 2:12		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 2:12		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 2:12		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 2:12		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 2:12		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 2:12		CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.20	0.20		3.6	0.99	0.97	4	11/1/22 2:12		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 2:12		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 2:12		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 2:12		CMR
cis-1,2-Dichloroethylene	0.60	0.20	0.15		2.4	0.79	0.58	4	11/1/22 2:12		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 2:12		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 2:12		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 2:12		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 2:12		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 2:12		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 2:12		CMR
Ethanol	5.5	8.0	3.5	L-03, J	10	15	6.6	4	11/1/22 2:12		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 2:12		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 2:12		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 2:12		CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/1/22 2:12		CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 2:12		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 2:12		CMR
2-Hexanone (MBK)	0.11	0.20	0.10	J	0.44	0.82	0.41	4	11/1/22 2:12		CMR
Isopropanol	40	8.0	1.4	L-03	100	20	3.4	4	11/1/22 2:12		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 2:12		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 2:12		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 2:12		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 2:12		CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 2:12		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 2:12		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 2:12		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: SV-1_10.20.22
Sample ID: 22J3301-01
Sample Matrix: Soil Gas
Sampled: 10/20/2022 09:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 1137
Canister Size: 6 liter
Flow Controller ID: 4436
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -11.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	100	0.20	0.15		700	1.4	1.0	4	11/1/22	2:12	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22	2:12	CMR
Toluene	0.58	0.20	0.11		2.2	0.75	0.43	4	11/1/22	2:12	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22	2:12	CMR
1,1,1-Trichloroethane	0.17	0.20	0.16	J	0.94	1.1	0.86	4	11/1/22	2:12	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22	2:12	CMR
Trichloroethylene	11	0.20	0.13		60	1.1	0.72	4	11/1/22	2:12	CMR
Trichlorofluoromethane (Freon 11)	1.0	0.80	0.24		5.7	4.5	1.3	4	11/1/22	2:12	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22	2:12	CMR
1,2,4-Trimethylbenzene	0.28	0.20	0.088		1.4	0.98	0.43	4	11/1/22	2:12	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22	2:12	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22	2:12	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22	2:12	CMR
m&p-Xylene	0.29	0.40	0.22	J	1.3	1.7	0.97	4	11/1/22	2:12	CMR
o-Xylene	0.12	0.20	0.10	J	0.50	0.87	0.44	4	11/1/22	2:12	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.2	70-130	11/1/22 2:12

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-2_10.20.22
Sample ID: 22J3301-02
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4428
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Acetone	14	8.0	4.8			32	19	11	4	10/31/22 22:08	CMR
Benzene	ND	0.20	0.15			ND	0.64	0.48	4	10/31/22 22:08	CMR
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	10/31/22 22:08	CMR
Bromodichloromethane	ND	0.20	0.14			ND	1.3	0.94	4	10/31/22 22:08	CMR
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	10/31/22 22:08	CMR
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	10/31/22 22:08	CMR
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	10/31/22 22:08	CMR
2-Butanone (MEK)	ND	8.0	2.1			ND	24	6.3	4	10/31/22 22:08	CMR
Carbon Disulfide	0.44	2.0	0.18	J		1.4	6.2	0.58	4	10/31/22 22:08	CMR
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	10/31/22 22:08	CMR
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	10/31/22 22:08	CMR
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	10/31/22 22:08	CMR
Chloroform	1.0	0.20	0.19			5.0	0.98	0.93	4	10/31/22 22:08	CMR
Chloromethane	ND	0.40	0.16			ND	0.83	0.33	4	10/31/22 22:08	CMR
Cyclohexane	ND	0.20	0.12			ND	0.69	0.42	4	10/31/22 22:08	CMR
Dibromochloromethane	ND	0.20	0.13			ND	1.7	1.1	4	10/31/22 22:08	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	10/31/22 22:08	CMR
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	10/31/22 22:08	CMR
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	10/31/22 22:08	CMR
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	10/31/22 22:08	CMR
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20			1.9	0.99	0.97	4	10/31/22 22:08	CMR
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	10/31/22 22:08	CMR
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	10/31/22 22:08	CMR
1,1-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.60	4	10/31/22 22:08	CMR
cis-1,2-Dichloroethylene	0.16	0.20	0.15	J		0.62	0.79	0.58	4	10/31/22 22:08	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	10/31/22 22:08	CMR
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	10/31/22 22:08	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	10/31/22 22:08	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	10/31/22 22:08	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03		ND	1.4	1.4	4	10/31/22 22:08	CMR
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	10/31/22 22:08	CMR
Ethanol	5.6	8.0	3.5	L-03, J		11	15	6.6	4	10/31/22 22:08	CMR
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	10/31/22 22:08	CMR
Ethylbenzene	ND	0.20	0.12			ND	0.87	0.51	4	10/31/22 22:08	CMR
4-Ethyltoluene	0.19	0.20	0.12	J		0.92	0.98	0.60	4	10/31/22 22:08	CMR
Heptane	ND	0.20	0.13			ND	0.82	0.52	4	10/31/22 22:08	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03		ND	2.1	1.8	4	10/31/22 22:08	CMR
Hexane	ND	8.0	1.0			ND	28	3.7	4	10/31/22 22:08	CMR
2-Hexanone (MBK)	0.17	0.20	0.10	J		0.69	0.82	0.41	4	10/31/22 22:08	CMR
Isopropanol	34	8.0	1.4	L-03		84	20	3.4	4	10/31/22 22:08	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	10/31/22 22:08	CMR
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	10/31/22 22:08	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11			ND	0.82	0.44	4	10/31/22 22:08	CMR
Naphthalene	ND	0.20	0.15			ND	1.0	0.79	4	10/31/22 22:08	CMR
Propene	ND	8.0	1.8			ND	14	3.0	4	10/31/22 22:08	CMR
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	10/31/22 22:08	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	10/31/22 22:08	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-2_10.20.22
Sample ID: 22J3301-02
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4428
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	4.1	0.20	0.15	L-03	28	1.4	1.0	4	10/31/22	22:08	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	10/31/22	22:08	CMR
Toluene	0.57	0.20	0.11		2.1	0.75	0.43	4	10/31/22	22:08	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/31/22	22:08	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22	22:08	CMR
1,1,2-Trichloroethane	ND	0.20	0.14	J	ND	1.1	0.77	4	10/31/22	22:08	CMR
Trichloroethylene	0.15	0.20	0.13		0.82	1.1	0.72	4	10/31/22	22:08	CMR
Trichlorofluoromethane (Freon 11)	1.7	0.80	0.24		9.6	4.5	1.3	4	10/31/22	22:08	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22	22:08	CMR
1,2,4-Trimethylbenzene	0.40	0.20	0.088		2.0	0.98	0.43	4	10/31/22	22:08	CMR
1,3,5-Trimethylbenzene	0.11	0.20	0.11	J	0.55	0.98	0.52	4	10/31/22	22:08	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22	22:08	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22	22:08	CMR
m&p-Xylene	0.39	0.40	0.22		1.7	1.7	0.97	4	10/31/22	22:08	CMR
o-Xylene	0.21	0.20	0.10		0.92	0.87	0.44	4	10/31/22	22:08	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.6	70-130	10/31/22 22:08

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-3_10.20.22
Sample ID: 22J3301-03
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:22

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2027
 Canister Size: 6 liter
 Flow Controller ID: 4434
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10.5
 Receipt Vacuum(in Hg): -9.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Acetone	11	8.0	4.8			25	19	11	4	10/31/22 22:48	CMR
Benzene	ND	0.20	0.15			ND	0.64	0.48	4	10/31/22 22:48	CMR
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	10/31/22 22:48	CMR
Bromodichloromethane	ND	0.20	0.14			ND	1.3	0.94	4	10/31/22 22:48	CMR
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	10/31/22 22:48	CMR
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	10/31/22 22:48	CMR
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	10/31/22 22:48	CMR
2-Butanone (MEK)	ND	8.0	2.1			ND	24	6.3	4	10/31/22 22:48	CMR
Carbon Disulfide	0.40	2.0	0.18	J		1.2	6.2	0.58	4	10/31/22 22:48	CMR
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	10/31/22 22:48	CMR
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	10/31/22 22:48	CMR
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	10/31/22 22:48	CMR
Chloroform	7.4	0.20	0.19			36	0.98	0.93	4	10/31/22 22:48	CMR
Chloromethane	0.18	0.40	0.16	J		0.37	0.83	0.33	4	10/31/22 22:48	CMR
Cyclohexane	ND	0.20	0.12			ND	0.69	0.42	4	10/31/22 22:48	CMR
Dibromochloromethane	ND	0.20	0.13			ND	1.7	1.1	4	10/31/22 22:48	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	10/31/22 22:48	CMR
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	10/31/22 22:48	CMR
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	10/31/22 22:48	CMR
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	10/31/22 22:48	CMR
Dichlorodifluoromethane (Freon 12)	0.42	0.20	0.20			2.1	0.99	0.97	4	10/31/22 22:48	CMR
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	10/31/22 22:48	CMR
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	10/31/22 22:48	CMR
1,1-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.60	4	10/31/22 22:48	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.58	4	10/31/22 22:48	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	10/31/22 22:48	CMR
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	10/31/22 22:48	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	10/31/22 22:48	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	10/31/22 22:48	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03		ND	1.4	1.4	4	10/31/22 22:48	CMR
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	10/31/22 22:48	CMR
Ethanol	5.7	8.0	3.5	L-03, J		11	15	6.6	4	10/31/22 22:48	CMR
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	10/31/22 22:48	CMR
Ethylbenzene	ND	0.20	0.12			ND	0.87	0.51	4	10/31/22 22:48	CMR
4-Ethyltoluene	ND	0.20	0.12			ND	0.98	0.60	4	10/31/22 22:48	CMR
Heptane	ND	0.20	0.13			ND	0.82	0.52	4	10/31/22 22:48	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03		ND	2.1	1.8	4	10/31/22 22:48	CMR
Hexane	ND	8.0	1.0			ND	28	3.7	4	10/31/22 22:48	CMR
2-Hexanone (MBK)	0.13	0.20	0.10	J		0.52	0.82	0.41	4	10/31/22 22:48	CMR
Isopropanol	28	8.0	1.4	L-03		69	20	3.4	4	10/31/22 22:48	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	10/31/22 22:48	CMR
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	10/31/22 22:48	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11			ND	0.82	0.44	4	10/31/22 22:48	CMR
Naphthalene	ND	0.20	0.15			ND	1.0	0.79	4	10/31/22 22:48	CMR
Propene	ND	8.0	1.8			ND	14	3.0	4	10/31/22 22:48	CMR
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	10/31/22 22:48	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	10/31/22 22:48	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-3_10.20.22
Sample ID: 22J3301-03
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:22

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2027
 Canister Size: 6 liter
 Flow Controller ID: 4434
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10.5
 Receipt Vacuum(in Hg): -9.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	1.5	0.20	0.15	L-03	10	1.4	1.0	4	10/31/22 22:48	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	10/31/22 22:48	CMR
Toluene	0.57	0.20	0.11		2.1	0.75	0.43	4	10/31/22 22:48	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	10/31/22 22:48	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22 22:48	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/31/22 22:48	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/31/22 22:48	CMR
Trichlorofluoromethane (Freon 11)	3.4	0.80	0.24		19	4.5	1.3	4	10/31/22 22:48	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22 22:48	CMR
1,2,4-Trimethylbenzene	0.28	0.20	0.088		1.4	0.98	0.43	4	10/31/22 22:48	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	10/31/22 22:48	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22 22:48	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22 22:48	CMR
m&p-Xylene	0.30	0.40	0.22	J	1.3	1.7	0.97	4	10/31/22 22:48	CMR
o-Xylene	0.13	0.20	0.10	J	0.56	0.87	0.44	4	10/31/22 22:48	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.6	70-130	10/31/22 22:48

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: SV-4_10.20.22
Sample ID: 22J3301-04
Sample Matrix: Soil Gas
Sampled: 10/20/2022 09:11

Sample Description/Location:
Sub Description/Location:
Canister ID: 2022
Canister Size: 6 liter
Flow Controller ID: 4427
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -10.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed	Analyst	
Acetone	39	8.0	4.8			94	19	11	4	10/31/22 23:29	CMR
Benzene	0.33	0.20	0.15			1.0	0.64	0.48	4	10/31/22 23:29	CMR
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	10/31/22 23:29	CMR
Bromodichloromethane	0.20	0.20	0.14	J		1.3	1.3	0.94	4	10/31/22 23:29	CMR
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	10/31/22 23:29	CMR
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	10/31/22 23:29	CMR
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	10/31/22 23:29	CMR
2-Butanone (MEK)	ND	8.0	2.1			ND	24	6.3	4	10/31/22 23:29	CMR
Carbon Disulfide	1.3	2.0	0.18	J		4.2	6.2	0.58	4	10/31/22 23:29	CMR
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	10/31/22 23:29	CMR
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	10/31/22 23:29	CMR
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	10/31/22 23:29	CMR
Chloroform	9.6	0.20	0.19			47	0.98	0.93	4	10/31/22 23:29	CMR
Chloromethane	ND	0.40	0.16			ND	0.83	0.33	4	10/31/22 23:29	CMR
Cyclohexane	ND	0.20	0.12			ND	0.69	0.42	4	10/31/22 23:29	CMR
Dibromochloromethane	0.27	0.20	0.13			2.3	1.7	1.1	4	10/31/22 23:29	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	10/31/22 23:29	CMR
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	10/31/22 23:29	CMR
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	10/31/22 23:29	CMR
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	10/31/22 23:29	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20			2.0	0.99	0.97	4	10/31/22 23:29	CMR
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	10/31/22 23:29	CMR
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	10/31/22 23:29	CMR
1,1-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.60	4	10/31/22 23:29	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.58	4	10/31/22 23:29	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	10/31/22 23:29	CMR
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	10/31/22 23:29	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	10/31/22 23:29	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	10/31/22 23:29	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03		ND	1.4	1.4	4	10/31/22 23:29	CMR
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	10/31/22 23:29	CMR
Ethanol	5.2	8.0	3.5	L-03, J		9.9	15	6.6	4	10/31/22 23:29	CMR
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	10/31/22 23:29	CMR
Ethylbenzene	0.13	0.20	0.12	J		0.57	0.87	0.51	4	10/31/22 23:29	CMR
4-Ethyltoluene	ND	0.20	0.12			ND	0.98	0.60	4	10/31/22 23:29	CMR
Heptane	0.16	0.20	0.13	J		0.64	0.82	0.52	4	10/31/22 23:29	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03		ND	2.1	1.8	4	10/31/22 23:29	CMR
Hexane	ND	8.0	1.0			ND	28	3.7	4	10/31/22 23:29	CMR
2-Hexanone (MBK)	0.16	0.20	0.10	J		0.67	0.82	0.41	4	10/31/22 23:29	CMR
Isopropanol	28	8.0	1.4	L-03		70	20	3.4	4	10/31/22 23:29	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	10/31/22 23:29	CMR
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	10/31/22 23:29	CMR
4-Methyl-2-pentanone (MIBK)	0.14	0.20	0.11	J		0.57	0.82	0.44	4	10/31/22 23:29	CMR
Naphthalene	ND	0.20	0.15			ND	1.0	0.79	4	10/31/22 23:29	CMR
Propene	2.4	8.0	1.8	J		4.2	14	3.0	4	10/31/22 23:29	CMR
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	10/31/22 23:29	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	10/31/22 23:29	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-4_10.20.22
Sample ID: 22J3301-04
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2022
 Canister Size: 6 liter
 Flow Controller ID: 4427
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	2.2	0.20	0.15	J	15	1.4	1.0	4	10/31/22 23:29	CMR	
Tetrahydrofuran	0.78	2.0	0.33		2.3	5.9	0.97	4	10/31/22 23:29	CMR	
Toluene	0.74	0.20	0.11		2.8	0.75	0.43	4	10/31/22 23:29	CMR	
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	10/31/22 23:29	CMR	
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22 23:29	CMR	
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/31/22 23:29	CMR	
Trichloroethylene	0.53	0.20	0.13		2.9	1.1	0.72	4	10/31/22 23:29	CMR	
Trichlorofluoromethane (Freon 11)	2.0	0.80	0.24		11	4.5	1.3	4	10/31/22 23:29	CMR	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22 23:29	CMR	
1,2,4-Trimethylbenzene	0.30	0.20	0.088		1.5	0.98	0.43	4	10/31/22 23:29	CMR	
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	10/31/22 23:29	CMR	
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22 23:29	CMR	
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22 23:29	CMR	
m&p-Xylene	0.51	0.40	0.22		2.2	1.7	0.97	4	10/31/22 23:29	CMR	
o-Xylene	0.25	0.20	0.10		1.1	0.87	0.44	4	10/31/22 23:29	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	10/31/22 23:29

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-5_10.20.22
Sample ID: 22J3301-05
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 11:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2207
 Canister Size: 6 liter
 Flow Controller ID: 4419
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL	Dilution	Analyzed	
Acetone	ND	800	480		ND	1900	1100	400	11/1/22 9:31	CMR
Benzene	32	20	15		100	64	48	400	11/1/22 9:31	CMR
Benzyl chloride	ND	20	18		ND	100	91	400	11/1/22 9:31	CMR
Bromodichloromethane	ND	20	14		ND	130	94	400	11/1/22 9:31	CMR
Bromoform	ND	20	14		ND	210	140	400	11/1/22 9:31	CMR
Bromomethane	ND	20	13		ND	78	52	400	11/1/22 9:31	CMR
1,3-Butadiene	ND	20	17		ND	44	37	400	11/1/22 9:31	CMR
2-Butanone (MEK)	ND	800	210		ND	2400	630	400	11/1/22 9:31	CMR
Carbon Disulfide	ND	200	18		ND	620	58	400	11/1/22 9:31	CMR
Carbon Tetrachloride	ND	20	16		ND	130	100	400	11/1/22 9:31	CMR
Chlorobenzene	ND	20	13		ND	92	61	400	11/1/22 9:31	CMR
Chloroethane	ND	20	18		ND	53	47	400	11/1/22 9:31	CMR
Chloroform	220	20	19		1100	98	93	400	11/1/22 9:31	CMR
Chloromethane	ND	40	16		ND	83	33	400	11/1/22 9:31	CMR
Cyclohexane	160	20	12		560	69	42	400	11/1/22 9:31	CMR
Dibromochloromethane	ND	20	13		ND	170	110	400	11/1/22 9:31	CMR
1,2-Dibromoethane (EDB)	ND	20	12		ND	150	93	400	11/1/22 9:31	CMR
1,2-Dichlorobenzene	ND	20	11		ND	120	69	400	11/1/22 9:31	CMR
1,3-Dichlorobenzene	ND	20	11		ND	120	67	400	11/1/22 9:31	CMR
1,4-Dichlorobenzene	ND	20	13		ND	120	79	400	11/1/22 9:31	CMR
Dichlorodifluoromethane (Freon 12)	ND	20	20		ND	99	97	400	11/1/22 9:31	CMR
1,1-Dichloroethane	ND	20	17		ND	81	71	400	11/1/22 9:31	CMR
1,2-Dichloroethane	ND	20	18		ND	81	73	400	11/1/22 9:31	CMR
1,1-Dichloroethylene	88	20	15		350	79	60	400	11/1/22 9:31	CMR
cis-1,2-Dichloroethylene	3400	20	15		13000	79	58	400	11/1/22 9:31	CMR
trans-1,2-Dichloroethylene	ND	20	16		ND	79	62	400	11/1/22 9:31	CMR
1,2-Dichloropropane	ND	20	11		ND	92	50	400	11/1/22 9:31	CMR
cis-1,3-Dichloropropene	ND	20	10		ND	91	47	400	11/1/22 9:31	CMR
trans-1,3-Dichloropropene	ND	20	10		ND	91	46	400	11/1/22 9:31	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	20	20	L-03	ND	140	140	400	11/1/22 9:31	CMR
1,4-Dioxane	ND	200	17		ND	720	60	400	11/1/22 9:31	CMR
Ethanol	380	800	350	L-03, J	710	1500	660	400	11/1/22 9:31	CMR
Ethyl Acetate	ND	200	100		ND	720	360	400	11/1/22 9:31	CMR
Ethylbenzene	ND	20	12		ND	87	51	400	11/1/22 9:31	CMR
4-Ethyltoluene	ND	20	12		ND	98	60	400	11/1/22 9:31	CMR
Heptane	ND	20	13		ND	82	52	400	11/1/22 9:31	CMR
Hexachlorobutadiene	ND	20	16	L-03	ND	210	180	400	11/1/22 9:31	CMR
Hexane	ND	800	100		ND	2800	370	400	11/1/22 9:31	CMR
2-Hexanone (MBK)	ND	20	10		ND	82	41	400	11/1/22 9:31	CMR
Isopropanol	ND	800	140	L-03	ND	2000	340	400	11/1/22 9:31	CMR
Methyl tert-Butyl Ether (MTBE)	ND	20	15		ND	72	56	400	11/1/22 9:31	CMR
Methylene Chloride	ND	200	93		ND	690	320	400	11/1/22 9:31	CMR
4-Methyl-2-pentanone (MIBK)	ND	20	11		ND	82	44	400	11/1/22 9:31	CMR
Naphthalene	ND	20	15		ND	100	79	400	11/1/22 9:31	CMR
Propene	ND	800	180		ND	1400	300	400	11/1/22 9:31	CMR
Styrene	ND	20	11		ND	85	45	400	11/1/22 9:31	CMR
1,1,2,2-Tetrachloroethane	ND	20	11		ND	140	74	400	11/1/22 9:31	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-5_10.20.22
Sample ID: 22J3301-05
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 11:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2207
 Canister Size: 6 liter
 Flow Controller ID: 4419
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL	Dilution	Analyzed	
Tetrachloroethylene	67	20	15	J L-03	460	140	100	400	11/1/22 9:31	CMR
Tetrahydrofuran	ND	200	33		ND	590	97	400	11/1/22 9:31	CMR
Toluene	12	20	11		45	75	43	400	11/1/22 9:31	CMR
1,2,4-Trichlorobenzene	ND	20	19		ND	150	140	400	11/1/22 9:31	CMR
1,1,1-Trichloroethane	ND	20	16		ND	110	86	400	11/1/22 9:31	CMR
1,1,2-Trichloroethane	ND	20	14		ND	110	77	400	11/1/22 9:31	CMR
Trichloroethylene	16000	20	13		86000	110	72	400	11/1/22 9:31	CMR
Trichlorofluoromethane (Freon 11)	ND	80	24		ND	450	130	400	11/1/22 9:31	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	80	22		ND	610	170	400	11/1/22 9:31	CMR
1,2,4-Trimethylbenzene	ND	20	8.8	ND	98	43	400	11/1/22 9:31	CMR	
1,3,5-Trimethylbenzene	ND	20	11	ND	98	52	400	11/1/22 9:31	CMR	
Vinyl Acetate	ND	400	110	ND	1400	380	400	11/1/22 9:31	CMR	
Vinyl Chloride	360	20	18	920	51	46	400	11/1/22 9:31	CMR	
m&p-Xylene	ND	40	22	ND	170	97	400	11/1/22 9:31	CMR	
o-Xylene	ND	20	10	ND	87	44	400	11/1/22 9:31	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.7	70-130	11/1/22 9:31

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: SV-6_10.20.22
Sample ID: 22J3301-06
Sample Matrix: Soil Gas
Sampled: 10/20/2022 10:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1695
Canister Size: 6 liter
Flow Controller ID: 4415
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	ND	8.0	4.8		ND	19	11	4	11/1/22 0:50	CMR	
Benzene	1.2	0.20	0.15		3.7	0.64	0.48	4	11/1/22 0:50	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 0:50	CMR	
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 0:50	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 0:50	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 0:50	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 0:50	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 0:50	CMR	
Carbon Disulfide	0.74	2.0	0.18	J	2.3	6.2	0.58	4	11/1/22 0:50	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 0:50	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 0:50	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 0:50	CMR	
Chloroform	1.1	0.20	0.19		5.4	0.98	0.93	4	11/1/22 0:50	CMR	
Chloromethane	0.21	0.40	0.16	J	0.43	0.83	0.33	4	11/1/22 0:50	CMR	
Cyclohexane	0.66	0.20	0.12		2.3	0.69	0.42	4	11/1/22 0:50	CMR	
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 0:50	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 0:50	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 0:50	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 0:50	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 0:50	CMR	
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20		1.9	0.99	0.97	4	11/1/22 0:50	CMR	
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 0:50	CMR	
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 0:50	CMR	
1,1-Dichloroethylene	0.36	0.20	0.15		1.4	0.79	0.60	4	11/1/22 0:50	CMR	
cis-1,2-Dichloroethylene	9.0	0.20	0.15		36	0.79	0.58	4	11/1/22 0:50	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 0:50	CMR	
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 0:50	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 0:50	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 0:50	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 0:50	CMR	
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 0:50	CMR	
Ethanol	5.2	8.0	3.5	L-03, J	9.8	15	6.6	4	11/1/22 0:50	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 0:50	CMR	
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 0:50	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 0:50	CMR	
Heptane	3.3	0.20	0.13		14	0.82	0.52	4	11/1/22 0:50	CMR	
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 0:50	CMR	
Hexane	130	8.0	1.0		440	28	3.7	4	11/1/22 0:50	CMR	
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 0:50	CMR	
Isopropanol	27	8.0	1.4	L-03	67	20	3.4	4	11/1/22 0:50	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 0:50	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 0:50	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 0:50	CMR	
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 0:50	CMR	
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 0:50	CMR	
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 0:50	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 0:50	CMR	

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-6_10.20.22
Sample ID: 22J3301-06
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1695
 Canister Size: 6 liter
 Flow Controller ID: 4415
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	0.61	0.20	0.15		4.1	1.4	1.0	4	11/1/22 0:50		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 0:50		CMR
Toluene	0.86	0.20	0.11		3.3	0.75	0.43	4	11/1/22 0:50		CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 0:50		CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 0:50		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 0:50		CMR
Trichloroethylene	34	0.20	0.13		180	1.1	0.72	4	11/1/22 0:50		CMR
Trichlorofluoromethane (Freon 11)	0.26	0.80	0.24	J	1.5	4.5	1.3	4	11/1/22 0:50		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 0:50		CMR
1,2,4-Trimethylbenzene	0.20	0.20	0.088		1.0	0.98	0.43	4	11/1/22 0:50		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 0:50		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 0:50		CMR
Vinyl Chloride	1.2	0.20	0.18		3.1	0.51	0.46	4	11/1/22 0:50		CMR
m&p-Xylene	0.36	0.40	0.22	J	1.5	1.7	0.97	4	11/1/22 0:50		CMR
o-Xylene	0.14	0.20	0.10	J	0.59	0.87	0.44	4	11/1/22 0:50		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.3	70-130	11/1/22 0:50

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-7_10.20.22
Sample ID: 22J3301-07
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:25

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1966
 Canister Size: 6 liter
 Flow Controller ID: 4437
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	15	8.0	4.8		36	19	11	4	11/1/22 2:53		CMR
Benzene	0.36	0.20	0.15		1.2	0.64	0.48	4	11/1/22 2:53		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 2:53		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 2:53		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 2:53		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 2:53		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 2:53		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 2:53		CMR
Carbon Disulfide	0.86	2.0	0.18	J	2.7	6.2	0.58	4	11/1/22 2:53		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 2:53		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 2:53		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 2:53		CMR
Chloroform	1.5	0.20	0.19		7.5	0.98	0.93	4	11/1/22 2:53		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 2:53		CMR
Cyclohexane	0.41	0.20	0.12		1.4	0.69	0.42	4	11/1/22 2:53		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 2:53		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 2:53		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 2:53		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 2:53		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 2:53		CMR
Dichlorodifluoromethane (Freon 12)	0.37	0.20	0.20		1.8	0.99	0.97	4	11/1/22 2:53		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 2:53		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 2:53		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 2:53		CMR
cis-1,2-Dichloroethylene	0.54	0.20	0.15		2.2	0.79	0.58	4	11/1/22 2:53		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 2:53		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 2:53		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 2:53		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 2:53		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 2:53		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 2:53		CMR
Ethanol	6.3	8.0	3.5	L-03, J	12	15	6.6	4	11/1/22 2:53		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 2:53		CMR
Ethylbenzene	0.14	0.20	0.12	J	0.61	0.87	0.51	4	11/1/22 2:53		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 2:53		CMR
Heptane	0.27	0.20	0.13		1.1	0.82	0.52	4	11/1/22 2:53		CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 2:53		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 2:53		CMR
2-Hexanone (MBK)	0.14	0.20	0.10	J	0.59	0.82	0.41	4	11/1/22 2:53		CMR
Isopropanol	41	8.0	1.4	L-03	100	20	3.4	4	11/1/22 2:53		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 2:53		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 2:53		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 2:53		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 2:53		CMR
Propene	4.0	8.0	1.8	J	6.9	14	3.0	4	11/1/22 2:53		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 2:53		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 2:53		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-7_10.20.22
Sample ID: 22J3301-07
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:25

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1966
 Canister Size: 6 liter
 Flow Controller ID: 4437
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	15	0.20	0.15		100	1.4	1.0	4	11/1/22 2:53		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 2:53		CMR
Toluene	1.3	0.20	0.11		4.9	0.75	0.43	4	11/1/22 2:53		CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 2:53		CMR
1,1,1-Trichloroethane	2.0	0.20	0.16		11	1.1	0.86	4	11/1/22 2:53		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 2:53		CMR
Trichloroethylene	2.4	0.20	0.13		13	1.1	0.72	4	11/1/22 2:53		CMR
Trichlorofluoromethane (Freon 11)	3.0	0.80	0.24		17	4.5	1.3	4	11/1/22 2:53		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 2:53		CMR
1,2,4-Trimethylbenzene	0.30	0.20	0.088		1.5	0.98	0.43	4	11/1/22 2:53		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 2:53		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 2:53		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 2:53		CMR
m&p-Xylene	0.51	0.40	0.22		2.2	1.7	0.97	4	11/1/22 2:53		CMR
o-Xylene	0.20	0.20	0.10		0.87	0.87	0.44	4	11/1/22 2:53		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	11/1/22 2:53

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-8_10.20.22
Sample ID: 22J3301-08
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1986
 Canister Size: 6 liter
 Flow Controller ID: 4450
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Acetone	31	8.0	4.8			74	19	11	4	11/1/22 19:37	CMR
Benzene	0.84	0.20	0.15			2.7	0.64	0.48	4	11/1/22 19:37	CMR
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	11/1/22 19:37	CMR
Bromodichloromethane	ND	0.20	0.14			ND	1.3	0.94	4	11/1/22 19:37	CMR
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	11/1/22 19:37	CMR
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	11/1/22 19:37	CMR
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	11/1/22 19:37	CMR
2-Butanone (MEK)	4.5	8.0	2.1	J		13	24	6.3	4	11/1/22 19:37	CMR
Carbon Disulfide	1.4	2.0	0.18	J		4.3	6.2	0.58	4	11/1/22 19:37	CMR
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	11/1/22 19:37	CMR
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	11/1/22 19:37	CMR
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	11/1/22 19:37	CMR
Chloroform	2.7	0.20	0.19			13	0.98	0.93	4	11/1/22 19:37	CMR
Chloromethane	ND	0.40	0.16			ND	0.83	0.33	4	11/1/22 19:37	CMR
Cyclohexane	ND	0.20	0.12			ND	0.69	0.42	4	11/1/22 19:37	CMR
Dibromochloromethane	ND	0.20	0.13			ND	1.7	1.1	4	11/1/22 19:37	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	11/1/22 19:37	CMR
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	11/1/22 19:37	CMR
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	11/1/22 19:37	CMR
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	11/1/22 19:37	CMR
Dichlorodifluoromethane (Freon 12)	0.35	0.20	0.20			1.7	0.99	0.97	4	11/1/22 19:37	CMR
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	11/1/22 19:37	CMR
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	11/1/22 19:37	CMR
1,1-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.60	4	11/1/22 19:37	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.58	4	11/1/22 19:37	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	11/1/22 19:37	CMR
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	11/1/22 19:37	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	11/1/22 19:37	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	11/1/22 19:37	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20			ND	1.4	1.4	4	11/1/22 19:37	CMR
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	11/1/22 19:37	CMR
Ethanol	6.0	8.0	3.5	L-03, J		11	15	6.6	4	11/1/22 19:37	CMR
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	11/1/22 19:37	CMR
Ethylbenzene	ND	0.20	0.12			ND	0.87	0.51	4	11/1/22 19:37	CMR
4-Ethyltoluene	ND	0.20	0.12			ND	0.98	0.60	4	11/1/22 19:37	CMR
Heptane	0.21	0.20	0.13			0.87	0.82	0.52	4	11/1/22 19:37	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03		ND	2.1	1.8	4	11/1/22 19:37	CMR
Hexane	ND	8.0	1.0			ND	28	3.7	4	11/1/22 19:37	CMR
2-Hexanone (MBK)	0.21	0.20	0.10			0.87	0.82	0.41	4	11/1/22 19:37	CMR
Isopropanol	27	8.0	1.4	L-03		65	20	3.4	4	11/1/22 19:37	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	11/1/22 19:37	CMR
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	11/1/22 19:37	CMR
4-Methyl-2-pentanone (MIBK)	0.21	0.20	0.11			0.87	0.82	0.44	4	11/1/22 19:37	CMR
Naphthalene	ND	0.20	0.15	L-03		ND	1.0	0.79	4	11/1/22 19:37	CMR
Propene	ND	8.0	1.8			ND	14	3.0	4	11/1/22 19:37	CMR
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	11/1/22 19:37	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	11/1/22 19:37	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-8_10.20.22
Sample ID: 22J3301-08
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1986
 Canister Size: 6 liter
 Flow Controller ID: 4450
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst	
	Results	RL	MDL		Results	RL	MDL		Analyzed			
Tetrachloroethylene	0.68	0.20	0.15	L-03	4.6	1.4	1.0	4	11/1/22	19:37	CMR	
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22	19:37	CMR	
Toluene	0.56	0.20	0.11		2.1	0.75	0.43	4	11/1/22	19:37	CMR	
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	11/1/22	19:37	CMR	
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22	19:37	CMR	
1,1,2-Trichloroethane	ND	0.20	0.14	J	ND	1.1	0.77	4	11/1/22	19:37	CMR	
Trichloroethylene	0.16	0.20	0.13		0.86	1.1	0.72	4	11/1/22	19:37	CMR	
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22	19:37	CMR	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22	19:37	CMR	
1,2,4-Trimethylbenzene	0.22	0.20	0.088		1.1	0.98	0.43	4	11/1/22	19:37	CMR	
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22	19:37	CMR	
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22	19:37	CMR	
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22	19:37	CMR	
m&p-Xylene	0.26	0.40	0.22		J	1.1	1.7	0.97	4	11/1/22	19:37	CMR
o-Xylene	0.12	0.20	0.10		J	0.52	0.87	0.44	4	11/1/22	19:37	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.3	70-130	11/1/22 19:37

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-10_10.20.22
Sample ID: 22J3301-10
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2223
 Canister Size: 6 liter
 Flow Controller ID: 4402
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	24	8.0	4.8		57	19	11	4	11/1/22 1:31		CMR
Benzene	0.89	0.20	0.15		2.8	0.64	0.48	4	11/1/22 1:31		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 1:31		CMR
Bromodichloromethane	1.4	0.20	0.14		9.4	1.3	0.94	4	11/1/22 1:31		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 1:31		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 1:31		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 1:31		CMR
2-Butanone (MEK)	2.8	8.0	2.1	J	8.4	24	6.3	4	11/1/22 1:31		CMR
Carbon Disulfide	1.7	2.0	0.18	J	5.4	6.2	0.58	4	11/1/22 1:31		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 1:31		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 1:31		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 1:31		CMR
Chloroform	53	0.20	0.19		260	0.98	0.93	4	11/1/22 1:31		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 1:31		CMR
Cyclohexane	0.22	0.20	0.12		0.76	0.69	0.42	4	11/1/22 1:31		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 1:31		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 1:31		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 1:31		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 1:31		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 1:31		CMR
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20		1.9	0.99	0.97	4	11/1/22 1:31		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 1:31		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 1:31		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 1:31		CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 1:31		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 1:31		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 1:31		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 1:31		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 1:31		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 1:31		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 1:31		CMR
Ethanol	5.3	8.0	3.5	L-03, J	10	15	6.6	4	11/1/22 1:31		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 1:31		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 1:31		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 1:31		CMR
Heptane	0.41	0.20	0.13		1.7	0.82	0.52	4	11/1/22 1:31		CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 1:31		CMR
Hexane	1.2	8.0	1.0	J	4.3	28	3.7	4	11/1/22 1:31		CMR
2-Hexanone (MBK)	0.24	0.20	0.10		0.97	0.82	0.41	4	11/1/22 1:31		CMR
Isopropanol	23	8.0	1.4	L-03	57	20	3.4	4	11/1/22 1:31		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 1:31		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 1:31		CMR
4-Methyl-2-pentanone (MIBK)	0.19	0.20	0.11	J	0.77	0.82	0.44	4	11/1/22 1:31		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 1:31		CMR
Propene	6.7	8.0	1.8	J	12	14	3.0	4	11/1/22 1:31		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 1:31		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 1:31		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-10_10.20.22
Sample ID: 22J3301-10
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2223
 Canister Size: 6 liter
 Flow Controller ID: 4402
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	50	0.20	0.15		340	1.4	1.0	4	11/1/22 1:31		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 1:31		CMR
Toluene	0.87	0.20	0.11		3.3	0.75	0.43	4	11/1/22 1:31		CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 1:31		CMR
1,1,1-Trichloroethane	4.2	0.20	0.16		23	1.1	0.86	4	11/1/22 1:31		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 1:31		CMR
Trichloroethylene	0.72	0.20	0.13		3.8	1.1	0.72	4	11/1/22 1:31		CMR
Trichlorofluoromethane (Freon 11)	0.29	0.80	0.24	J	1.6	4.5	1.3	4	11/1/22 1:31		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 1:31		CMR
1,2,4-Trimethylbenzene	0.31	0.20	0.088		1.5	0.98	0.43	4	11/1/22 1:31		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 1:31		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 1:31		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 1:31		CMR
m&p-Xylene	0.40	0.40	0.22	J	1.7	1.7	0.97	4	11/1/22 1:31		CMR
o-Xylene	0.15	0.20	0.10	J	0.66	0.87	0.44	4	11/1/22 1:31		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	11/1/22 1:31

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-11_10.20.22
Sample ID: 22J3301-11
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1170
 Canister Size: 6 liter
 Flow Controller ID: 4414
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	64	8.0	4.8		150	19	11	4	11/1/22 4:13		CMR
Benzene	0.48	0.20	0.15		1.5	0.64	0.48	4	11/1/22 4:13		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 4:13		CMR
Bromodichloromethane	4.2	0.20	0.14		28	1.3	0.94	4	11/1/22 4:13		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 4:13		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 4:13		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 4:13		CMR
2-Butanone (MEK)	3.1	8.0	2.1	J	9.0	24	6.3	4	11/1/22 4:13		CMR
Carbon Disulfide	2.7	2.0	0.18		8.4	6.2	0.58	4	11/1/22 4:13		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 4:13		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 4:13		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 4:13		CMR
Chloroform	98	0.20	0.19		480	0.98	0.93	4	11/1/22 4:13		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 4:13		CMR
Cyclohexane	0.44	0.20	0.12		1.5	0.69	0.42	4	11/1/22 4:13		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 4:13		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 4:13		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 4:13		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 4:13		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 4:13		CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20		2.0	0.99	0.97	4	11/1/22 4:13		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 4:13		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 4:13		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 4:13		CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 4:13		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 4:13		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 4:13		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 4:13		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 4:13		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 4:13		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 4:13		CMR
Ethanol	12	8.0	3.5	L-03	23	15	6.6	4	11/1/22 4:13		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 4:13		CMR
Ethylbenzene	0.24	0.20	0.12		1.0	0.87	0.51	4	11/1/22 4:13		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 4:13		CMR
Heptane	0.42	0.20	0.13		1.7	0.82	0.52	4	11/1/22 4:13		CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 4:13		CMR
Hexane	4.6	8.0	1.0	J	16	28	3.7	4	11/1/22 4:13		CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 4:13		CMR
Isopropanol	44	8.0	1.4	L-03	110	20	3.4	4	11/1/22 4:13		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 4:13		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 4:13		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 4:13		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 4:13		CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 4:13		CMR
Styrene	0.42	0.20	0.11		1.8	0.85	0.45	4	11/1/22 4:13		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 4:13		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-11_10.20.22
Sample ID: 22J3301-11
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1170
 Canister Size: 6 liter
 Flow Controller ID: 4414
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	8.4	0.20	0.15		57	1.4	1.0	4	11/1/22 4:13		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 4:13		CMR
Toluene	0.98	0.20	0.11		3.7	0.75	0.43	4	11/1/22 4:13		CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 4:13		CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 4:13		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 4:13		CMR
Trichloroethylene	7.4	0.20	0.13		40	1.1	0.72	4	11/1/22 4:13		CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 4:13		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 4:13		CMR
1,2,4-Trimethylbenzene	0.36	0.20	0.088		1.8	0.98	0.43	4	11/1/22 4:13		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 4:13		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 4:13		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 4:13		CMR
m&p-Xylene	0.79	0.40	0.22		3.4	1.7	0.97	4	11/1/22 4:13		CMR
o-Xylene	0.31	0.20	0.10		1.3	0.87	0.44	4	11/1/22 4:13		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	11/1/22 4:13

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-12_10.20.22
Sample ID: 22J3301-12
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1675
 Canister Size: 6 liter
 Flow Controller ID: 4364
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.1
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed	Analyst	
Acetone	28	8.0	4.8			67	19	11	4	11/1/22 20:17	CMR
Benzene	7.5	0.20	0.15			24	0.64	0.48	4	11/1/22 20:17	CMR
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	11/1/22 20:17	CMR
Bromodichloromethane	ND	0.20	0.14			ND	1.3	0.94	4	11/1/22 20:17	CMR
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	11/1/22 20:17	CMR
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	11/1/22 20:17	CMR
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	11/1/22 20:17	CMR
2-Butanone (MEK)	ND	8.0	2.1			ND	24	6.3	4	11/1/22 20:17	CMR
Carbon Disulfide	1.9	2.0	0.18	J		5.9	6.2	0.58	4	11/1/22 20:17	CMR
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	11/1/22 20:17	CMR
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	11/1/22 20:17	CMR
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	11/1/22 20:17	CMR
Chloroform	3.3	0.20	0.19			16	0.98	0.93	4	11/1/22 20:17	CMR
Chloromethane	0.25	0.40	0.16	J		0.51	0.83	0.33	4	11/1/22 20:17	CMR
Cyclohexane	0.32	0.20	0.12			1.1	0.69	0.42	4	11/1/22 20:17	CMR
Dibromochloromethane	ND	0.20	0.13			ND	1.7	1.1	4	11/1/22 20:17	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	11/1/22 20:17	CMR
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	11/1/22 20:17	CMR
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	11/1/22 20:17	CMR
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	11/1/22 20:17	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20			2.0	0.99	0.97	4	11/1/22 20:17	CMR
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	11/1/22 20:17	CMR
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	11/1/22 20:17	CMR
1,1-Dichloroethylene	ND	0.20	0.15			ND	0.79	0.60	4	11/1/22 20:17	CMR
cis-1,2-Dichloroethylene	0.61	0.20	0.15			2.4	0.79	0.58	4	11/1/22 20:17	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	11/1/22 20:17	CMR
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	11/1/22 20:17	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	11/1/22 20:17	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	11/1/22 20:17	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20			ND	1.4	1.4	4	11/1/22 20:17	CMR
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	11/1/22 20:17	CMR
Ethanol	5.4	8.0	3.5	L-03, J		10	15	6.6	4	11/1/22 20:17	CMR
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	11/1/22 20:17	CMR
Ethylbenzene	0.13	0.20	0.12	J		0.56	0.87	0.51	4	11/1/22 20:17	CMR
4-Ethyltoluene	ND	0.20	0.12			ND	0.98	0.60	4	11/1/22 20:17	CMR
Heptane	0.19	0.20	0.13	J		0.77	0.82	0.52	4	11/1/22 20:17	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03		ND	2.1	1.8	4	11/1/22 20:17	CMR
Hexane	1.3	8.0	1.0	J		4.5	28	3.7	4	11/1/22 20:17	CMR
2-Hexanone (MBK)	ND	0.20	0.10			ND	0.82	0.41	4	11/1/22 20:17	CMR
Isopropanol	30	8.0	1.4	L-03		74	20	3.4	4	11/1/22 20:17	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	11/1/22 20:17	CMR
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	11/1/22 20:17	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11			ND	0.82	0.44	4	11/1/22 20:17	CMR
Naphthalene	ND	0.20	0.15	L-03		ND	1.0	0.79	4	11/1/22 20:17	CMR
Propene	8.1	8.0	1.8			14	14	3.0	4	11/1/22 20:17	CMR
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	11/1/22 20:17	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	11/1/22 20:17	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-12_10.20.22
Sample ID: 22J3301-12
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1675
 Canister Size: 6 liter
 Flow Controller ID: 4364
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.1
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	1.6	0.20	0.15	J L-03	11	1.4	1.0	4	11/1/22 20:17	CMR
Tetrahydrofuran	1.9	2.0	0.33		5.7	5.9	0.97	4	11/1/22 20:17	CMR
Toluene	1.4	0.20	0.11		5.4	0.75	0.43	4	11/1/22 20:17	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	11/1/22 20:17	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 20:17	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 20:17	CMR
Trichloroethylene	0.31	0.20	0.13		1.7	1.1	0.72	4	11/1/22 20:17	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 20:17	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 20:17	CMR
1,2,4-Trimethylbenzene	0.40	0.20	0.088		1.9	0.98	0.43	4	11/1/22 20:17	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 20:17	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 20:17	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 20:17	CMR
m&p-Xylene	0.49	0.40	0.22		2.1	1.7	0.97	4	11/1/22 20:17	CMR
o-Xylene	0.20	0.20	0.10		0.87	0.87	0.44	4	11/1/22 20:17	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.7	70-130	11/1/22 20:17

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-13_10.20.22
Sample ID: 22J3301-13
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2029
 Canister Size: 6 liter
 Flow Controller ID: 4363
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	13	8.0	4.8		32	19	11	4	11/1/22 20:57	CMR
Benzene	0.64	0.20	0.15		2.0	0.64	0.48	4	11/1/22 20:57	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 20:57	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 20:57	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 20:57	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 20:57	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 20:57	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 20:57	CMR
Carbon Disulfide	0.42	2.0	0.18	J	1.3	6.2	0.58	4	11/1/22 20:57	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 20:57	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 20:57	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 20:57	CMR
Chloroform	4.0	0.20	0.19		20	0.98	0.93	4	11/1/22 20:57	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 20:57	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 20:57	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 20:57	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 20:57	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 20:57	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 20:57	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 20:57	CMR
Dichlorodifluoromethane (Freon 12)	0.36	0.20	0.20		1.8	0.99	0.97	4	11/1/22 20:57	CMR
1,1-Dichloroethane	0.31	0.20	0.17		1.3	0.81	0.71	4	11/1/22 20:57	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 20:57	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 20:57	CMR
cis-1,2-Dichloroethylene	21	0.20	0.15		84	0.79	0.58	4	11/1/22 20:57	CMR
trans-1,2-Dichloroethylene	0.97	0.20	0.16		3.9	0.79	0.62	4	11/1/22 20:57	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 20:57	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 20:57	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 20:57	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/1/22 20:57	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 20:57	CMR
Ethanol	9.4	8.0	3.5	L-03	18	15	6.6	4	11/1/22 20:57	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 20:57	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 20:57	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 20:57	CMR
Heptane	0.33	0.20	0.13		1.3	0.82	0.52	4	11/1/22 20:57	CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 20:57	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 20:57	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 20:57	CMR
Isopropanol	24	8.0	1.4	L-03	60	20	3.4	4	11/1/22 20:57	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 20:57	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 20:57	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 20:57	CMR
Naphthalene	ND	0.20	0.15	L-03	ND	1.0	0.79	4	11/1/22 20:57	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 20:57	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 20:57	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 20:57	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-13_10.20.22
Sample ID: 22J3301-13
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2029
 Canister Size: 6 liter
 Flow Controller ID: 4363
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	56	0.20	0.15		380	1.4	1.0	4	11/1/22 20:57	CMR
Tetrahydrofuran	80	2.0	0.33		240	5.9	0.97	4	11/1/22 20:57	CMR
Toluene	0.69	0.20	0.11		2.6	0.75	0.43	4	11/1/22 20:57	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 20:57	CMR
1,1,1-Trichloroethane	0.98	0.20	0.16		5.3	1.1	0.86	4	11/1/22 20:57	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 20:57	CMR
Trichloroethylene	13	0.20	0.13		70	1.1	0.72	4	11/1/22 20:57	CMR
Trichlorofluoromethane (Freon 11)	0.27	0.80	0.24	J	1.5	4.5	1.3	4	11/1/22 20:57	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.23	0.80	0.22	J	1.7	6.1	1.7	4	11/1/22 20:57	CMR
1,2,4-Trimethylbenzene	0.35	0.20	0.088		1.7	0.98	0.43	4	11/1/22 20:57	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 20:57	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 20:57	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 20:57	CMR
m&p-Xylene	0.44	0.40	0.22		1.9	1.7	0.97	4	11/1/22 20:57	CMR
o-Xylene	0.18	0.20	0.10	J	0.78	0.87	0.44	4	11/1/22 20:57	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.8	70-130	11/1/22 20:57

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-14_10.20.22
Sample ID: 22J3301-14
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:16

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1066
 Canister Size: 6 liter
 Flow Controller ID: 4300
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	12	8.0	4.8		29	19	11	4	11/1/22 0:10		CMR
Benzene	0.31	0.20	0.15		0.98	0.64	0.48	4	11/1/22 0:10		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 0:10		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 0:10		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 0:10		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 0:10		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 0:10		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 0:10		CMR
Carbon Disulfide	1.0	2.0	0.18	J	3.1	6.2	0.58	4	11/1/22 0:10		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 0:10		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 0:10		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 0:10		CMR
Chloroform	5.2	0.20	0.19		25	0.98	0.93	4	11/1/22 0:10		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 0:10		CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 0:10		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 0:10		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 0:10		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 0:10		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 0:10		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 0:10		CMR
Dichlorodifluoromethane (Freon 12)	0.34	0.20	0.20		1.7	0.99	0.97	4	11/1/22 0:10		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 0:10		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 0:10		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 0:10		CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 0:10		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 0:10		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 0:10		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 0:10		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 0:10		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	L-03	ND	1.4	1.4	4	11/1/22 0:10		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 0:10		CMR
Ethanol	7.6	8.0	3.5	L-03, J	14	15	6.6	4	11/1/22 0:10		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 0:10		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 0:10		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 0:10		CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/1/22 0:10		CMR
Hexachlorobutadiene	ND	0.20	0.16	L-03	ND	2.1	1.8	4	11/1/22 0:10		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 0:10		CMR
2-Hexanone (MBK)	0.13	0.20	0.10	J	0.52	0.82	0.41	4	11/1/22 0:10		CMR
Isopropanol	33	8.0	1.4	L-03	82	20	3.4	4	11/1/22 0:10		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 0:10		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 0:10		CMR
4-Methyl-2-pentanone (MIBK)	0.18	0.20	0.11	J	0.75	0.82	0.44	4	11/1/22 0:10		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 0:10		CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 0:10		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 0:10		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 0:10		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-14_10.20.22
Sample ID: 22J3301-14
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:16

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1066
 Canister Size: 6 liter
 Flow Controller ID: 4300
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	4.9	0.20	0.15		33	1.4	1.0	4	11/1/22 0:10		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 0:10		CMR
Toluene	0.70	0.20	0.11		2.6	0.75	0.43	4	11/1/22 0:10		CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19	L-03	ND	1.5	1.4	4	11/1/22 0:10		CMR
1,1,1-Trichloroethane	0.20	0.20	0.16		1.1	1.1	0.86	4	11/1/22 0:10		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 0:10		CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	11/1/22 0:10		CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 0:10		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 0:10		CMR
1,2,4-Trimethylbenzene	0.48	0.20	0.088		2.3	0.98	0.43	4	11/1/22 0:10		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 0:10		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 0:10		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 0:10		CMR
m&p-Xylene	0.34	0.40	0.22	J	1.5	1.7	0.97	4	11/1/22 0:10		CMR
o-Xylene	0.15	0.20	0.10	J	0.66	0.87	0.44	4	11/1/22 0:10		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.3	70-130	11/1/22 0:10

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: OA-1_10.20.22
Sample ID: 22J3301-15
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:30

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1928
 Canister Size: 6 liter
 Flow Controller ID: 4424
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL	Dilution	Analyzed	
Acetone	3.2	1.4	0.85		7.7	3.3	2.0	0.702	11/1/22 18:56	CMR
Benzene	0.18	0.035	0.027		0.57	0.11	0.085	0.702	11/1/22 18:56	CMR
Benzyl chloride	ND	0.035	0.031		ND	0.18	0.16	0.702	11/1/22 18:56	CMR
Bromodichloromethane	ND	0.035	0.025		ND	0.24	0.16	0.702	11/1/22 18:56	CMR
Bromoform	ND	0.035	0.024		ND	0.36	0.25	0.702	11/1/22 18:56	CMR
Bromomethane	ND	0.035	0.023		ND	0.14	0.091	0.702	11/1/22 18:56	CMR
1,3-Butadiene	0.037	0.035	0.029		0.082	0.078	0.065	0.702	11/1/22 18:56	CMR
2-Butanone (MEK)	ND	1.4	0.37		ND	4.1	1.1	0.702	11/1/22 18:56	CMR
Carbon Disulfide	ND	0.35	0.032		ND	1.1	0.10	0.702	11/1/22 18:56	CMR
Carbon Tetrachloride	0.072	0.035	0.028		0.45	0.22	0.18	0.702	11/1/22 18:56	CMR
Chlorobenzene	ND	0.035	0.023		ND	0.16	0.11	0.702	11/1/22 18:56	CMR
Chloroethane	ND	0.035	0.031		ND	0.093	0.082	0.702	11/1/22 18:56	CMR
Chloroform	ND	0.035	0.033		ND	0.17	0.16	0.702	11/1/22 18:56	CMR
Chloromethane	0.43	0.070	0.028		0.90	0.14	0.058	0.702	11/1/22 18:56	CMR
Cyclohexane	0.045	0.035	0.021		0.15	0.12	0.073	0.702	11/1/22 18:56	CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.702	11/1/22 18:56	CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.021		ND	0.27	0.16	0.702	11/1/22 18:56	CMR
1,2-Dichlorobenzene	ND	0.035	0.020		ND	0.21	0.12	0.702	11/1/22 18:56	CMR
1,3-Dichlorobenzene	ND	0.035	0.019		ND	0.21	0.12	0.702	11/1/22 18:56	CMR
1,4-Dichlorobenzene	ND	0.035	0.023		ND	0.21	0.14	0.702	11/1/22 18:56	CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.035	0.034		1.0	0.17	0.17	0.702	11/1/22 18:56	CMR
1,1-Dichloroethane	ND	0.035	0.031		ND	0.14	0.12	0.702	11/1/22 18:56	CMR
1,2-Dichloroethane	ND	0.035	0.032		ND	0.14	0.13	0.702	11/1/22 18:56	CMR
1,1-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.702	11/1/22 18:56	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.026		ND	0.14	0.10	0.702	11/1/22 18:56	CMR
trans-1,2-Dichloroethylene	ND	0.035	0.028		ND	0.14	0.11	0.702	11/1/22 18:56	CMR
1,2-Dichloropropane	ND	0.035	0.019		ND	0.16	0.088	0.702	11/1/22 18:56	CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.702	11/1/22 18:56	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.702	11/1/22 18:56	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.035		ND	0.25	0.24	0.702	11/1/22 18:56	CMR
1,4-Dioxane	ND	0.35	0.029		ND	1.3	0.10	0.702	11/1/22 18:56	CMR
Ethanol	4.4	1.4	0.62	L-03	8.3	2.6	1.2	0.702	11/1/22 18:56	CMR
Ethyl Acetate	ND	0.35	0.18		ND	1.3	0.64	0.702	11/1/22 18:56	CMR
Ethylbenzene	0.046	0.035	0.020		0.20	0.15	0.089	0.702	11/1/22 18:56	CMR
4-Ethyltoluene	ND	0.035	0.022		ND	0.17	0.11	0.702	11/1/22 18:56	CMR
Heptane	0.34	0.035	0.022		1.4	0.14	0.092	0.702	11/1/22 18:56	CMR
Hexachlorobutadiene	ND	0.035	0.029	L-03	ND	0.37	0.31	0.702	11/1/22 18:56	CMR
Hexane	0.49	1.4	0.18	J	1.7	4.9	0.64	0.702	11/1/22 18:56	CMR
2-Hexanone (MBK)	ND	0.035	0.018		ND	0.14	0.072	0.702	11/1/22 18:56	CMR
Isopropanol	0.66	1.4	0.24	L-03, J	1.6	3.4	0.60	0.702	11/1/22 18:56	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.027		ND	0.13	0.098	0.702	11/1/22 18:56	CMR
Methylene Chloride	ND	0.35	0.16		ND	1.2	0.57	0.702	11/1/22 18:56	CMR
4-Methyl-2-pentanone (MIBK)	0.040	0.035	0.019		0.16	0.14	0.077	0.702	11/1/22 18:56	CMR
Naphthalene	0.048	0.035	0.026	L-03	0.25	0.18	0.14	0.702	11/1/22 18:56	CMR
Propene	ND	1.4	0.31		ND	2.4	0.53	0.702	11/1/22 18:56	CMR
Styrene	ND	0.035	0.018		ND	0.15	0.079	0.702	11/1/22 18:56	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.019		ND	0.24	0.13	0.702	11/1/22 18:56	CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: OA-1_10.20.22
Sample ID: 22J3301-15
Sample Matrix: Soil Gas
Sampled: 10/20/2022 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1928
Canister Size: 6 liter
Flow Controller ID: 4424
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -9.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL	Dilution	Analyzed	
Tetrachloroethylene	0.038	0.035	0.027	L-03	0.26	0.24	0.18	0.702	11/1/22 18:56	CMR
Tetrahydrofuran	ND	0.35	0.058		ND	1.0	0.17	0.702	11/1/22 18:56	CMR
Toluene	0.58	0.035	0.020		2.2	0.13	0.076	0.702	11/1/22 18:56	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.033		ND	0.26	0.24	0.702	11/1/22 18:56	CMR
1,1,1-Trichloroethane	ND	0.035	0.028		ND	0.19	0.15	0.702	11/1/22 18:56	CMR
1,1,2-Trichloroethane	ND	0.035	0.025	J	ND	0.19	0.13	0.702	11/1/22 18:56	CMR
Trichloroethylene	ND	0.035	0.024		ND	0.19	0.13	0.702	11/1/22 18:56	CMR
Trichlorofluoromethane (Freon 11)	0.18	0.14	0.041		1.0	0.79	0.23	0.702	11/1/22 18:56	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.053	0.14	0.039		0.40	1.1	0.30	0.702	11/1/22 18:56	CMR
1,2,4-Trimethylbenzene	0.046	0.035	0.016		0.22	0.17	0.076	0.702	11/1/22 18:56	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.019		ND	0.17	0.091	0.702	11/1/22 18:56	CMR
Vinyl Acetate	ND	0.70	0.19		ND	2.5	0.66	0.702	11/1/22 18:56	CMR
Vinyl Chloride	ND	0.035	0.032		ND	0.090	0.081	0.702	11/1/22 18:56	CMR
m&p-Xylene	0.14	0.070	0.039		0.62	0.30	0.17	0.702	11/1/22 18:56	CMR
o-Xylene	0.058	0.035	0.018		0.25	0.15	0.078	0.702	11/1/22 18:56	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.9	70-130	11/1/22 18:56

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22J3301-01 [SV-1_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-02 [SV-2_10.20.22]	B321777	1.5	1	N/A	1000	400	150	10/31/22
22J3301-03 [SV-3_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-04 [SV-4_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-05 [SV-5_10.20.22]	B321777	2	200	5	1000	400	400	10/31/22
22J3301-06 [SV-6_10.20.22]	B321777	1.5	1	N/A	1000	400	150	10/31/22
22J3301-07 [SV-7_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-10 [SV-10_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-11 [SV-11_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22
22J3301-14 [SV-14_10.20.22]	B321777	2	1	N/A	1000	400	200	10/31/22

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22J3301-08 [SV-8_10.20.22]	B321905	1.5	1	N/A	1000	400	150	11/01/22
22J3301-12 [SV-12_10.20.22]	B321905	1.5	1	N/A	1000	400	150	11/01/22
22J3301-13 [SV-13_10.20.22]	B321905	1.5	1	N/A	1000	400	150	11/01/22
22J3301-15 [OA-1_10.20.22]	B321905	1.5	1	N/A	1000	400	855	11/01/22

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result		Limits	RPD	
Batch B321777 - TO-15 Prep										
Blank (B321777-BLK1)					Prepared & Analyzed: 10/31/22					
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								L-03
1,4-Dioxane	ND	0.35								
Ethanol	ND	1.4								L-03
Ethyl Acetate	ND	0.35								
Ethylbenzene	ND	0.035								
4-Ethyltoluene	ND	0.035								
Heptane	ND	0.035								
Hexachlorobutadiene	ND	0.035								L-03
Hexane	ND	1.4								
2-Hexanone (MBK)	ND	0.035								
Isopropanol	ND	1.4								L-03
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								

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B321777 - TO-15 Prep
Blank (B321777-BLK1)

Prepared & Analyzed: 10/31/22

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								L-03
1,1,1-Trichloroethane	ND	0.035								
1,1,2-Trichloroethane	ND	0.035								
Trichloroethylene	ND	0.035								
Trichlorofluoromethane (Freon 11)	ND	0.14								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14								
1,2,4-Trimethylbenzene	ND	0.035								
1,3,5-Trimethylbenzene	ND	0.035								
Vinyl Acetate	ND	0.70								
Vinyl Chloride	ND	0.035								
m&p-Xylene	ND	0.070								
o-Xylene	ND	0.035								

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.69</i>				<i>8.00</i>		<i>96.1</i>	<i>70-130</i>		

LCS (B321777-BS1)

Prepared & Analyzed: 10/31/22

Acetone	3.96				5.00		79.2	70-130		
Benzene	4.70				5.00		94.1	70-130		
Benzyl chloride	4.49				5.00		89.7	70-130		
Bromodichloromethane	4.54				5.00		90.7	70-130		
Bromoform	4.20				5.00		84.1	70-130		
Bromomethane	3.60				5.00		72.0	70-130		
1,3-Butadiene	3.68				5.00		73.6	70-130		
2-Butanone (MEK)	4.24				5.00		84.9	70-130		
Carbon Disulfide	4.29				5.00		85.8	70-130		
Carbon Tetrachloride	4.59				5.00		91.9	70-130		
Chlorobenzene	4.10				5.00		82.0	70-130		
Chloroethane	3.78				5.00		75.7	70-130		
Chloroform	4.06				5.00		81.3	70-130		
Chloromethane	3.77				5.00		75.4	70-130		
Cyclohexane	4.65				5.00		92.9	70-130		
Dibromochloromethane	4.44				5.00		88.7	70-130		
1,2-Dibromoethane (EDB)	4.19				5.00		83.7	70-130		
1,2-Dichlorobenzene	3.90				5.00		78.1	70-130		
1,3-Dichlorobenzene	4.10				5.00		82.1	70-130		
1,4-Dichlorobenzene	4.05				5.00		81.1	70-130		
Dichlorodifluoromethane (Freon 12)	4.13				5.00		82.7	70-130		
1,1-Dichloroethane	4.42				5.00		88.4	70-130		
1,2-Dichloroethane	4.26				5.00		85.2	70-130		
1,1-Dichloroethylene	4.38				5.00		87.5	70-130		
cis-1,2-Dichloroethylene	4.27				5.00		85.5	70-130		
trans-1,2-Dichloroethylene	4.33				5.00		86.6	70-130		
1,2-Dichloropropane	4.94				5.00		98.8	70-130		

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B321777 - TO-15 Prep											
LCS (B321777-BS1)					Prepared & Analyzed: 10/31/22						
cis-1,3-Dichloropropene	4.60				5.00		91.9	70-130			
trans-1,3-Dichloropropene	4.58				5.00		91.7	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	3.41				5.00		68.1	* 70-130			L-03
1,4-Dioxane	4.11				5.00		82.2	70-130			
Ethanol	2.66				5.00		53.2	* 70-130			L-03
Ethyl Acetate	4.35				5.00		87.0	70-130			
Ethylbenzene	4.41				5.00		88.2	70-130			
4-Ethyltoluene	4.39				5.00		87.8	70-130			
Heptane	5.09				5.00		102	70-130			
Hexachlorobutadiene	3.28				5.00		65.7	* 70-130			L-03
Hexane	4.67				5.00		93.5	70-130			
2-Hexanone (MBK)	4.85				5.00		96.9	70-130			
Isopropanol	2.91				5.00		58.3	* 70-130			L-03
Methyl tert-Butyl Ether (MTBE)	4.04				5.00		80.8	70-130			
Methylene Chloride	3.91				5.00		78.3	70-130			
4-Methyl-2-pentanone (MIBK)	4.96				5.00		99.2	70-130			
Naphthalene	5.69				5.00		114	70-130			
Propene	4.27				5.00		85.4	70-130			
Styrene	4.42				5.00		88.5	70-130			
1,1,2,2-Tetrachloroethane	4.15				5.00		83.0	70-130			
Tetrachloroethylene	3.99				5.00		79.8	70-130			
Tetrahydrofuran	4.21				5.00		84.2	70-130			
Toluene	4.44				5.00		88.8	70-130			
1,2,4-Trichlorobenzene	3.42				5.00		68.3	* 70-130			L-03
1,1,1-Trichloroethane	4.27				5.00		85.5	70-130			
1,1,2-Trichloroethane	4.31				5.00		86.1	70-130			
Trichloroethylene	4.44				5.00		88.8	70-130			
Trichlorofluoromethane (Freon 11)	3.85				5.00		77.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.77				5.00		75.3	70-130			
1,2,4-Trimethylbenzene	4.26				5.00		85.2	70-130			
1,3,5-Trimethylbenzene	4.34				5.00		86.8	70-130			
Vinyl Acetate	3.95				5.00		78.9	70-130			
Vinyl Chloride	3.85				5.00		77.0	70-130			
m&p-Xylene	9.02				10.0		90.2	70-130			
o-Xylene	4.57				5.00		91.4	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.38				8.00		105	70-130			

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	

Batch B321905 - TO-15 Prep
Blank (B321905-BLK1)

Prepared & Analyzed: 11/01/22

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							L-03
Ethyl Acetate	ND	0.35							
Ethylbenzene	ND	0.035							
4-Ethyltoluene	ND	0.035							
Heptane	ND	0.035							
Hexachlorobutadiene	ND	0.035							L-03
Hexane	ND	1.4							
2-Hexanone (MBK)	ND	0.035							
Isopropanol	ND	1.4							L-03
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							L-03
Propene	ND	1.4							
Styrene	ND	0.035							

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B321905 - TO-15 Prep
Blank (B321905-BLK1)

Prepared & Analyzed: 11/01/22

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								L-03
1,1,1-Trichloroethane	ND	0.035								
1,1,2-Trichloroethane	ND	0.035								
Trichloroethylene	ND	0.035								
Trichlorofluoromethane (Freon 11)	ND	0.14								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14								
1,2,4-Trimethylbenzene	ND	0.035								
1,3,5-Trimethylbenzene	ND	0.035								
Vinyl Acetate	ND	0.70								
Vinyl Chloride	ND	0.035								
m&p-Xylene	ND	0.070								
o-Xylene	ND	0.035								

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.66</i>				<i>8.00</i>		<i>95.7</i>	<i>70-130</i>		

LCS (B321905-BS1)

Prepared & Analyzed: 11/01/22

Acetone	4.44				5.00		88.7	70-130		
Benzene	5.57				5.00		111	70-130		
Benzyl chloride	5.13				5.00		103	70-130		
Bromodichloromethane	5.44				5.00		109	70-130		
Bromoform	4.80				5.00		96.0	70-130		
Bromomethane	3.81				5.00		76.2	70-130		
1,3-Butadiene	4.04				5.00		80.7	70-130		
2-Butanone (MEK)	4.85				5.00		97.1	70-130		
Carbon Disulfide	4.63				5.00		92.6	70-130		
Carbon Tetrachloride	5.27				5.00		105	70-130		
Chlorobenzene	4.76				5.00		95.3	70-130		
Chloroethane	4.22				5.00		84.3	70-130		
Chloroform	4.37				5.00		87.4	70-130		
Chloromethane	4.24				5.00		84.7	70-130		
Cyclohexane	5.39				5.00		108	70-130		
Dibromochloromethane	5.20				5.00		104	70-130		
1,2-Dibromoethane (EDB)	4.94				5.00		98.7	70-130		
1,2-Dichlorobenzene	4.29				5.00		85.8	70-130		
1,3-Dichlorobenzene	4.52				5.00		90.5	70-130		
1,4-Dichlorobenzene	4.53				5.00		90.5	70-130		
Dichlorodifluoromethane (Freon 12)	4.43				5.00		88.6	70-130		
1,1-Dichloroethane	4.82				5.00		96.4	70-130		
1,2-Dichloroethane	4.65				5.00		93.0	70-130		
1,1-Dichloroethylene	4.79				5.00		95.8	70-130		
cis-1,2-Dichloroethylene	4.71				5.00		94.3	70-130		
trans-1,2-Dichloroethylene	4.74				5.00		94.8	70-130		
1,2-Dichloropropane	6.06				5.00		121	70-130		

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B321905 - TO-15 Prep											
LCS (B321905-BS1)					Prepared & Analyzed: 11/01/22						
cis-1,3-Dichloropropene	5.50				5.00		110	70-130			
trans-1,3-Dichloropropene	5.48				5.00		110	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	3.61				5.00		72.2	70-130			
1,4-Dioxane	4.69				5.00		93.7	70-130			
Ethanol	3.10				5.00		62.0	* 70-130			L-03
Ethyl Acetate	4.79				5.00		95.9	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.11				5.00		102	70-130			
Heptane	6.19				5.00		124	70-130			
Hexachlorobutadiene	3.21				5.00		64.1	* 70-130			L-03
Hexane	5.32				5.00		106	70-130			
2-Hexanone (MBK)	6.24				5.00		125	70-130			
Isopropanol	3.22				5.00		64.5	* 70-130			L-03
Methyl tert-Butyl Ether (MTBE)	4.28				5.00		85.6	70-130			
Methylene Chloride	4.34				5.00		86.8	70-130			
4-Methyl-2-pentanone (MIBK)	6.35				5.00		127	70-130			
Naphthalene	3.44				5.00		68.8	* 70-130			L-03
Propene	4.86				5.00		97.3	70-130			
Styrene	5.13				5.00		103	70-130			
1,1,2,2-Tetrachloroethane	5.05				5.00		101	70-130			
Tetrachloroethylene	4.49				5.00		89.9	70-130			
Tetrahydrofuran	4.51				5.00		90.3	70-130			
Toluene	5.24				5.00		105	70-130			
1,2,4-Trichlorobenzene	2.86				5.00		57.2	* 70-130			L-03
1,1,1-Trichloroethane	4.96				5.00		99.2	70-130			
1,1,2-Trichloroethane	5.14				5.00		103	70-130			
Trichloroethylene	5.23				5.00		105	70-130			
Trichlorofluoromethane (Freon 11)	3.97				5.00		79.3	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.91				5.00		78.2	70-130			
1,2,4-Trimethylbenzene	4.94				5.00		98.7	70-130			
1,3,5-Trimethylbenzene	5.03				5.00		101	70-130			
Vinyl Acetate	4.35				5.00		87.0	70-130			
Vinyl Chloride	4.21				5.00		84.2	70-130			
m&p-Xylene	10.7				10.0		107	70-130			
o-Xylene	5.43				5.00		109	70-130			
Surrogate: 4-Bromofluorobenzene (1)	7.85				8.00		98.2	70-130			

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B321905 - TO-15 Prep											
Duplicate (B321905-DUP1)	Source: 22J3301-13				Prepared & Analyzed: 11/01/22						
Acetone	13	8.0	32	19		13			0.0298	25	
Benzene	0.66	0.20	2.1	0.64		0.64			3.70	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)	ND	8.0	ND	24		ND				25	
Carbon Disulfide	0.40	2.0	1.2	6.2		0.42			3.92	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	3.9	0.20	19	0.98		4.0			2.94	25	
Chloromethane	0.16	0.40	0.34	0.83		ND				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)	0.36	0.20	1.8	0.99		0.36			1.10	25	
1,1-Dichloroethane	0.31	0.20	1.2	0.81		0.31			1.29	25	
1,2-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	21	0.20	84	0.79		21			0.321	25	
trans-1,2-Dichloroethylene	0.96	0.20	3.8	0.79		0.97			1.24	25	
1,2-Dichloropropane	ND	0.20	ND	0.92		ND				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	9.0	8.0	17	15		9.4			4.09	25	L-03
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	ND	0.20	ND	0.87		ND				25	
4-Ethyltoluene	ND	0.20	ND	0.98		ND				25	
Heptane	0.33	0.20	1.4	0.82		0.33			1.21	25	
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	L-03
Hexane	ND	8.0	ND	28		ND				25	
2-Hexanone (MBK)	ND	0.20	ND	0.82		ND				25	
Isopropanol	24	8.0	59	20		24			0.812	25	L-03
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	ND	2.0	ND	6.9		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	ND	0.20	ND	1.0		ND				25	L-03
Propene	ND	8.0	ND	14		ND				25	
Styrene	ND	0.20	ND	0.85		ND				25	

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B321905 - TO-15 Prep											
Duplicate (B321905-DUP1)	Source: 22J3301-13				Prepared & Analyzed: 11/01/22						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrachloroethylene	54	0.20	370	1.4		56			3.20	25	
Tetrahydrofuran	78	2.0	230	5.9		80			2.95	25	
Toluene	0.67	0.20	2.5	0.75		0.69			2.35	25	
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	L-03
1,1,1-Trichloroethane	0.96	0.20	5.3	1.1		0.98			1.65	25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	13	0.20	69	1.1		13			1.32	25	
Trichlorofluoromethane (Freon 11)	0.25	0.80	1.4	4.5		0.27			7.75	25	J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.22	0.80	1.7	6.1		0.23			1.77	25	J
1,2,4-Trimethylbenzene	0.34	0.20	1.7	0.98		0.35			4.65	25	
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98		ND				25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	0.46	0.40	2.0	1.7		0.44			5.36	25	
o-Xylene	0.17	0.20	0.73	0.87		0.18			6.90	25	J
Surrogate: 4-Bromofluorobenzene (1)	7.53				8.00		94.1	70-130			

Note: Blank Subtraction is not performed unless otherwise noted

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
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.

ANALYST

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STATION PDF Management Station
ORW Odyessy Rodriguez-Wannamaker
LR Lionel Rios
KKM Kerry K. McGee
CMR Catherine M. Rouleau
BRF Brittany R. Fisk

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 (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	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 (S078717-CCV1)			Lab File ID: G22A304004.D			Analyzed: 10/31/22 13:54			
Bromochloromethane (1)	1083543	8.307	1083543	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2115318	10.081	2115318	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1951002	14.446	1951002	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B321777-BS1)			Lab File ID: G22A304005.D			Analyzed: 10/31/22 14:34			
Bromochloromethane (1)	1258731	8.307	1083543	8.307	116	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2700836	10.081	2115318	10.081	128	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2463603	14.446	1951002	14.446	126	60 - 140	0.0000	+/-0.50	
Blank (B321777-BLK1)			Lab File ID: G22A304010.D			Analyzed: 10/31/22 18:04			
Bromochloromethane (1)	1063295	8.313	1083543	8.307	98	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2030308	10.081	2115318	10.081	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1894577	14.446	1951002	14.446	97	60 - 140	0.0000	+/-0.50	
SV-2_10.20.22 (22J3301-02)			Lab File ID: G22A304016.D			Analyzed: 10/31/22 22:08			
Bromochloromethane (1)	1116524	8.307	1083543	8.307	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2091447	10.081	2115318	10.081	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1931003	14.446	1951002	14.446	99	60 - 140	0.0000	+/-0.50	
SV-3_10.20.22 (22J3301-03)			Lab File ID: G22A304017.D			Analyzed: 10/31/22 22:48			
Bromochloromethane (1)	1069489	8.307	1083543	8.307	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2030833	10.081	2115318	10.081	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1878361	14.446	1951002	14.446	96	60 - 140	0.0000	+/-0.50	
SV-4_10.20.22 (22J3301-04)			Lab File ID: G22A304018.D			Analyzed: 10/31/22 23:29			
Bromochloromethane (1)	1235473	8.307	1083543	8.307	114	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2591020	10.081	2115318	10.081	122	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2431675	14.446	1951002	14.446	125	60 - 140	0.0000	+/-0.50	
SV-14_10.20.22 (22J3301-14)			Lab File ID: G22A304019.D			Analyzed: 11/01/22 00:10			
Bromochloromethane (1)	1117538	8.307	1083543	8.307	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2160985	10.081	2115318	10.081	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2026625	14.446	1951002	14.446	104	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
SV-6_10.20.22 (22J3301-06) Lab File ID: G22A304020.D Analyzed: 11/01/22 00:50									
Bromochloromethane (1)	1270469	8.313	1083543	8.307	117	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2660326	10.081	2115318	10.081	126	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2472583	14.446	1951002	14.446	127	60 - 140	0.0000	+/-0.50	
SV-10_10.20.22 (22J3301-10) Lab File ID: G22A304021.D Analyzed: 11/01/22 01:31									
Bromochloromethane (1)	1132291	8.307	1083543	8.307	104	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2256361	10.081	2115318	10.081	107	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2115688	14.446	1951002	14.446	108	60 - 140	0.0000	+/-0.50	
SV-1_10.20.22 (22J3301-01) Lab File ID: G22A304022.D Analyzed: 11/01/22 02:12									
Bromochloromethane (1)	1030552	8.307	1083543	8.307	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1923308	10.081	2115318	10.081	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1800577	14.446	1951002	14.446	92	60 - 140	0.0000	+/-0.50	
SV-7_10.20.22 (22J3301-07) Lab File ID: G22A304023.D Analyzed: 11/01/22 02:53									
Bromochloromethane (1)	1233850	8.307	1083543	8.307	114	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2544520	10.081	2115318	10.081	120	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2372475	14.446	1951002	14.446	122	60 - 140	0.0000	+/-0.50	
SV-11_10.20.22 (22J3301-11) Lab File ID: G22A304025.D Analyzed: 11/01/22 04:13									
Bromochloromethane (1)	1200387	8.307	1083543	8.307	111	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2519371	10.081	2115318	10.081	119	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2335910	14.446	1951002	14.446	120	60 - 140	0.0000	+/-0.50	
SV-5_10.20.22 (22J3301-05) Lab File ID: G22A304033.D Analyzed: 11/01/22 09:31									
Bromochloromethane (1)	1007811	8.307	1083543	8.307	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1869518	10.081	2115318	10.081	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1697790	14.446	1951002	14.446	87	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 (S078773-CCV1) Lab File ID: G22A305004.D Analyzed: 11/01/22 13:17									
Bromochloromethane (1)	1036179	8.307	1036179	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1961112	10.081	1961112	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1751016	14.446	1751016	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B321905-BS1) Lab File ID: G22A305005.D Analyzed: 11/01/22 13:57									
Bromochloromethane (1)	1042848	8.307	1036179	8.307	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1994069	10.081	1961112	10.081	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1775916	14.446	1751016	14.446	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
Blank (B321905-BLK1) Lab File ID: G22A305010.D Analyzed: 11/01/22 17:29									
Bromochloromethane (1)	1088781	8.313	1036179	8.307	105	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2104428	10.081	1961112	10.081	107	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1925550	14.446	1751016	14.446	110	60 - 140	0.0000	+/-0.50	
OA-1_10.20.22 (22J3301-15) Lab File ID: G22A305012.D Analyzed: 11/01/22 18:56									
Bromochloromethane (1)	1090130	8.307	1036179	8.307	105	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2112943	10.081	1961112	10.081	108	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1925469	14.446	1751016	14.446	110	60 - 140	0.0000	+/-0.50	
SV-8_10.20.22 (22J3301-08) Lab File ID: G22A305013.D Analyzed: 11/01/22 19:37									
Bromochloromethane (1)	1054807	8.313	1036179	8.307	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2057119	10.081	1961112	10.081	105	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1862719	14.446	1751016	14.446	106	60 - 140	0.0000	+/-0.50	
SV-12_10.20.22 (22J3301-12) Lab File ID: G22A305014.D Analyzed: 11/01/22 20:17									
Bromochloromethane (1)	1166396	8.307	1036179	8.307	113	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2374824	10.081	1961112	10.081	121	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2162600	14.446	1751016	14.446	124	60 - 140	0.0000	+/-0.50	
SV-13_10.20.22 (22J3301-13) Lab File ID: G22A305015.D Analyzed: 11/01/22 20:57									
Bromochloromethane (1)	1077529	8.307	1036179	8.307	104	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2022665	10.081	1961112	10.081	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1863975	14.446	1751016	14.446	106	60 - 140	0.0000	+/-0.50	
Duplicate (B321905-DUP1) Lab File ID: G22A305016.D Analyzed: 11/01/22 21:37									
Bromochloromethane (1)	1042422	8.307	1036179	8.307	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1915708	10.081	1961112	10.081	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1775289	14.446	1751016	14.446	101	60 - 140	0.0000	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S078717-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.56	1.084004	0.9895124		-8.7	30
Benzene	A	5.00	5.20	0.9129288	0.9487776		3.9	30
Benzyl chloride	A	5.00	5.49	1.030942	1.131281		9.7	30
Bromodichloromethane	A	5.00	5.13	0.6953811	0.7136765		2.6	30
Bromoform	A	5.00	4.74	0.5656468	0.5360249		-5.2	30
Bromomethane	A	5.00	3.64	0.6009459	0.4380415		-27.1	30
1,3-Butadiene	A	5.00	4.07	0.5443004	0.4435449		-18.5	30
2-Butanone (MEK)	A	5.00	4.63	1.507683	1.395803		-7.4	30
Carbon Disulfide	A	5.00	4.14	2.02748	1.678271		-17.2	30
Carbon Tetrachloride	A	5.00	4.98	0.5479998	0.5459363		-0.4	30
Chlorobenzene	A	5.00	4.55	0.8809329	0.8017493		-9.0	30
Chloroethane	A	5.00	3.87	0.3452967	0.2671311		-22.6	30
Chloroform	A	5.00	4.20	1.561184	1.310787		-16.0	30
Chloromethane	A	5.00	4.18	0.6821899	0.5696822		-16.5	30
Cyclohexane	A	5.00	5.00	0.3600845	0.3602605		0.05	30
Dibromochloromethane	A	5.00	4.86	0.6396581	0.6220853		-2.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.68	0.6171207	0.5778135		-6.4	30
1,2-Dichlorobenzene	A	5.00	4.72	0.6937094	0.6549619		-5.6	30
1,3-Dichlorobenzene	A	5.00	4.85	0.7409581	0.7193801		-2.9	30
1,4-Dichlorobenzene	A	5.00	4.80	0.7218155	0.693366		-3.9	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.30	1.62808	1.399505		-14.0	30
1,1-Dichloroethane	A	5.00	4.52	1.342742	1.212746		-9.7	30
1,2-Dichloroethane	A	5.00	4.41	0.9627523	0.8486663		-11.8	30
1,1-Dichloroethylene	A	5.00	4.44	1.140142	1.012527		-11.2	30
cis-1,2-Dichloroethylene	A	5.00	4.45	0.9670963	0.8604956		-11.0	30
trans-1,2-Dichloroethylene	A	5.00	4.42	1.001825	0.8864062		-11.5	30
1,2-Dichloropropane	A	5.00	5.62	0.3567989	0.4007832		12.3	30
cis-1,3-Dichloropropene	A	5.00	5.42	0.5092852	0.5521432		8.4	30
trans-1,3-Dichloropropene	A	5.00	5.28	0.4570981	0.4822288		5.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	3.79	1.73998	1.318997		-24.2	30
1,4-Dioxane	A	5.00	4.68	0.1857641	0.1738594		-6.4	30
Ethanol	A	5.00	3.59	0.2343264	0.1682805		-28.2	30
Ethyl Acetate	A	5.00	4.86	0.2308163	0.2244858		-2.7	30
Ethylbenzene	A	5.00	4.97	1.455024	1.447272		-0.5	30
4-Ethyltoluene	A	5.00	5.06	1.413771	1.429368		1.1	30
Heptane	A	5.00	5.80	0.2850308	0.3305247		16.0	30
Hexachlorobutadiene	A	5.00	4.49	0.4677459	0.420246		-10.2	30
Hexane	A	5.00	4.96	0.8985394	0.8372223		-0.8	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S078717-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.79	0.7712864	0.8936487		15.9	30
Isopropanol	A	5.00	4.02	1.338902	1.077919		-19.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.14	1.834723	1.51736		-17.3	30
Methylene Chloride	A	5.00	4.08	0.9597215	0.7826414		-18.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.93	0.7726854	0.9157447		18.5	30
Naphthalene	A	5.00	4.98	1.092246	1.087256		-0.5	30
Propene	A	5.00	4.73	0.5941328	0.5619963		-5.4	30
Styrene	A	5.00	4.94	0.7890752	0.7792082		-1.3	30
1,1,2,2-Tetrachloroethane	A	5.00	5.09	0.9851261	1.003334		1.8	30
Tetrachloroethylene	A	5.00	4.23	0.457194	0.3866042		-15.4	30
Tetrahydrofuran	A	5.00	4.47	0.2957092	0.264578		-10.5	30
Toluene	A	5.00	4.84	1.15399	1.117103		-3.2	30
1,2,4-Trichlorobenzene	A	5.00	4.50	0.4973623	0.4475993		-10.0	30
1,1,1-Trichloroethane	A	5.00	4.90	0.5975698	0.5857971		-2.0	30
1,1,2-Trichloroethane	A	5.00	4.70	0.4162703	0.3912984		-6.0	30
Trichloroethylene	A	5.00	4.95	0.3947958	0.3906053		-1.1	30
Trichlorofluoromethane (Freon 11)	A	5.00	3.91	1.463327	1.145407		-21.7	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	3.75	1.432547	1.074657		-25.0	30
1,2,4-Trimethylbenzene	A	5.00	5.11	1.156019	1.182298		2.3	30
1,3,5-Trimethylbenzene	A	5.00	5.09	1.190388	1.212426		1.9	30
Vinyl Acetate	A	5.00	3.95	1.986739	1.569841		-21.0	30
Vinyl Chloride	A	5.00	4.12	0.7142115	0.5881461		-17.7	30
m&p-Xylene	A	10.0	10.2	1.129066	1.157256		2.5	30
o-Xylene	A	5.00	5.18	1.138955	1.179331		3.5	30

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA TO-15

S078773-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.76	1.084004	1.032263		-4.8	30
Benzene	A	5.00	5.60	0.9129288	1.023262		12.1	30
Benzyl chloride	A	5.00	6.07	1.030942	1.25148		21.4	30
Bromodichloromethane	A	5.00	5.49	0.6953811	0.763198		9.8	30
Bromoform	A	5.00	5.19	0.5656468	0.5873893		3.8	30
Bromomethane	A	5.00	3.72	0.6009459	0.4470749		-25.6	30
1,3-Butadiene	A	5.00	4.22	0.5443004	0.4598263		-15.5	30
2-Butanone (MEK)	A	5.00	4.92	1.507683	1.482019		-1.7	30
Carbon Disulfide	A	5.00	4.36	2.02748	1.768647		-12.8	30
Carbon Tetrachloride	A	5.00	5.37	0.5479998	0.5884506		7.4	30
Chlorobenzene	A	5.00	4.97	0.8809329	0.8750997		-0.7	30
Chloroethane	A	5.00	3.95	0.3452967	0.2725537		-21.1	30
Chloroform	A	5.00	4.37	1.561184	1.363327		-12.7	30
Chloromethane	A	5.00	4.38	0.6821899	0.5980048		-12.3	30
Cyclohexane	A	5.00	5.33	0.3600845	0.3839316		6.6	30
Dibromochloromethane	A	5.00	5.32	0.6396581	0.6806599		6.4	30
1,2-Dibromoethane (EDB)	A	5.00	5.16	0.6171207	0.6366407		3.2	30
1,2-Dichlorobenzene	A	5.00	5.12	0.6937094	0.7103743		2.4	30
1,3-Dichlorobenzene	A	5.00	5.28	0.7409581	0.7822229		5.6	30
1,4-Dichlorobenzene	A	5.00	5.23	0.7218155	0.75548		4.7	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.53	1.62808	1.473957		-9.5	30
1,1-Dichloroethane	A	5.00	4.70	1.342742	1.262949		-5.9	30
1,2-Dichloroethane	A	5.00	4.62	0.9627523	0.8894926		-7.6	30
1,1-Dichloroethylene	A	5.00	4.64	1.140142	1.058965		-7.1	30
cis-1,2-Dichloroethylene	A	5.00	4.66	0.9670963	0.9018102		-6.8	30
trans-1,2-Dichloroethylene	A	5.00	4.68	1.001825	0.938068		-6.4	30
1,2-Dichloropropane	A	5.00	6.05	0.3567989	0.4317803		21.0	30
cis-1,3-Dichloropropene	A	5.00	5.77	0.5092852	0.5873672		15.3	30
trans-1,3-Dichloropropene	A	5.00	5.70	0.4570981	0.5207543		13.9	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	3.94	1.73998	1.371488		-21.2	30
1,4-Dioxane	A	5.00	4.87	0.1857641	0.1807742		-2.7	30
Ethanol	A	5.00	3.63	0.2343264	0.1702918		-27.3	30
Ethyl Acetate	A	5.00	5.07	0.2308163	0.2338839		1.3	30
Ethylbenzene	A	5.00	5.46	1.455024	1.588543		9.2	30
4-Ethyltoluene	A	5.00	5.56	1.413771	1.570755		11.1	30
Heptane	A	5.00	6.28	0.2850308	0.3578933		25.6	30
Hexachlorobutadiene	A	5.00	4.91	0.4677459	0.459183		-1.8	30
Hexane	A	5.00	5.26	0.8985394	0.887212		5.1	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S078773-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	6.47	0.7712864	0.9981442		29.4	30
Isopropanol	A	5.00	4.10	1.338902	1.099174		-17.9	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.30	1.834723	1.576478		-14.1	30
Methylene Chloride	A	5.00	4.36	0.9597215	0.8359374		-12.9	30
4-Methyl-2-pentanone (MIBK)	A	5.00	6.44	0.7726854	0.9950338		28.8	30
Naphthalene	A	5.00	5.42	1.092246	1.18492		8.5	30
Propene	A	5.00	5.14	0.5941328	0.6104937		2.8	30
Styrene	A	5.00	5.41	0.7890752	0.854182		8.3	30
1,1,2,2-Tetrachloroethane	A	5.00	5.72	0.9851261	1.12707		14.4	30
Tetrachloroethylene	A	5.00	4.60	0.457194	0.4211013		-7.9	30
Tetrahydrofuran	A	5.00	4.61	0.2957092	0.2727127		-7.8	30
Toluene	A	5.00	5.35	1.15399	1.235717		7.1	30
1,2,4-Trichlorobenzene	A	5.00	4.87	0.4973623	0.484664		-2.6	30
1,1,1-Trichloroethane	A	5.00	5.25	0.5975698	0.6279148		5.1	30
1,1,2-Trichloroethane	A	5.00	5.22	0.4162703	0.4344815		4.4	30
Trichloroethylene	A	5.00	5.33	0.3947958	0.4207792		6.6	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.05	1.463327	1.185113		-19.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	3.92	1.432547	1.12423		-21.5	30
1,2,4-Trimethylbenzene	A	5.00	5.66	1.156019	1.308995		13.2	30
1,3,5-Trimethylbenzene	A	5.00	5.62	1.190388	1.337362		12.3	30
Vinyl Acetate	A	5.00	4.16	1.986739	1.650793		-16.9	30
Vinyl Chloride	A	5.00	4.25	0.7142115	0.6071584		-15.0	30
m&p-Xylene	A	10.0	11.3	1.129066	1.278601		13.2	30
o-Xylene	A	5.00	5.70	1.138955	1.299387		14.1	30

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

* Values outside of QC limits

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,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

CERTIFICATIONS
Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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Doc# 278 Rev 7 July 2022

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 HLP

Received By <u>CE</u>	Date <u>10/21</u>	Time <u>1607</u>
How Were the samples received?	In Cooler <u> </u> In Box <u>T</u>	On Ice <u> </u> Ambient <u> </u> No Ice <u> </u> Melted Ice <u> </u>
Were samples within Temperature Compliance?	Within <u> </u> 2-6°C <u> </u>	By Gun # <u> </u> Actual Temp - <u> </u> By Blank # <u> </u> Actual Temp - <u> </u>
Was Custody Seal In tact?	<u>NA</u>	Were Samples Tampered with? <u>NA</u>
Was COC Relinquished?	<u>T</u>	Does Chain Agree With Samples? <u>T</u>
Are there any loose caps/valves on any samples?	<u>F</u>	
Is COC in ink/ Legible?	<u>T</u>	Were samples received within holding time? <u>T</u>
Did COC Include all Pertinent Information?	Client? <u>T</u> Project? <u>T</u>	Analysis? <u>T</u> ID's? <u>T</u>
Are Sample Labels filled out and legible?		Sampler Name? <u>T</u> Collection Dates/Times? <u>T</u>
Are there Rushes?	<u>F</u>	Who was notified? <u> </u>
Samples are received within holding time?	<u>T</u>	
Proper Media Used?	<u>T</u>	Individually Certified Cans? <u>F</u>
Are there Trip Blanks?	<u>F</u>	Is there enough Volume? <u>T</u>

Containers:	#	Size	Regulator	Duration	Accessories:		
Summa Cans	17	6L	16	2hr	Nut/Ferrule	16	IC Train
Tedlar Bags					Tubing		
TO-17 Tubes					T-Connector	1	Shipping Charges
Radiello					Syringe		
Pufs/TO-11s					Tedlar		

Can #'s	1966	1928			Reg #'s	4437	4424		
1137	1986				4436	4450			
1998	2223				4428	4402			
2022	1170				4434	4414			
2022	1675				4427	4364			
2207	2029				4419	4363			
1695	1066				4415	4300			
Unused Media					Pufs/TO-17's				
1927-4452	-17.1								
2161-4452	-18.9								
2138-4358	-29.4								

Comments:



Air Sampling Media Certificate of Analysis

Date Analyzed: 9/29/2022 **Batch #:** 22CC809

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Flow Controllers* ☐

Media IDs: BC1928

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: CMR 11/1/22



Air Sampling Media Certificate of Analysis

Date Analyzed: 9/29/2022 **Batch #:** 22CC811

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Flow Controllers* ☐

Media IDs:	BC1137	BC1966	BC2223
	BC1170	BC2029	

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
0.166	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: CMR 11/1/22



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/4/2022 **Batch #:** 22CC818

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Flow Controllers* ☐

Media IDs: BC1986

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: CMR 11/1/22



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/5/2022 Batch #: 22CC826

Certification Type: Batch Certified ☒ Individual Certified ☐

Media Type: Summa Canister ☒ Flow Controllers ☐

Media IDs:	BC1998	BC2022	BC1695

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 11/1/22



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/5/2022 Batch #: 22CC827

Certification Type: Batch Certified ☒ Individual Certified ☐

Media Type: Summa Canister ☒ Flow Controllers ☐

Media IDs:	BC2027	BC1675	BC1066

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 11/1/22



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/5/2022 Batch #: 22CC829

Certification Type: Batch Certified ☒ Individual Certified ☐

Media Type: Summa Canister ☒ Flow Controllers ☐

Media IDs: BC2207

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: CMR 11/1/22

November 9, 2022

Marnie Chancey
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

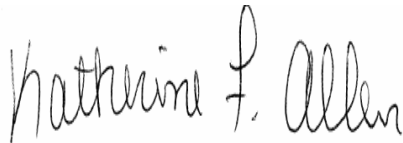
Project Location: 473 President St, Brooklyn, NY
Client Job Number:
Project Number: C224220A
Laboratory Work Order Number: 22J4339

Enclosed are results of analyses for samples as received by the laboratory on October 28, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Marnie Chancey

REPORT DATE: 11/9/2022

PURCHASE ORDER NUMBER: MULTI QN

PROJECT NUMBER: C224220A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J4339

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

PROJECT LOCATION: 473 President St, Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SV-9-10.27.22	22J4339-01	Soil Gas		EPA TO-15	
DUP-1-10.27.22	22J4339-02	Soil Gas		EPA TO-15	
OA-1-10.27.22	22J4339-03	Ambient Air		EPA TO-15	
UNUSED- 2173/4359	22J4339-04	Air		-	

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:**

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:**Ethanol, Isopropanol**

22J4339-01[SV-9-10.27.22], 22J4339-02[DUP-1-10.27.22], 22J4339-03[OA-1-10.27.22], B322593-BLK1, B322593-BS1

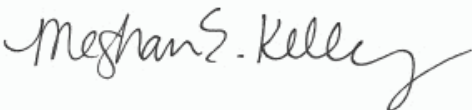
V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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

22J4339-01[SV-9-10.27.22], 22J4339-02[DUP-1-10.27.22], 22J4339-03[OA-1-10.27.22], B322593-BLK1, B322593-BS1, S079080-CCV1

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

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



Meghan E. Kelley
Reporting Specialist

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
Field Sample #: SV-9-10.27.22
Sample ID: 22J4339-01
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1162
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Acetone	5.1	8.0	4.8	J	12	19	11	4	11/4/22 20:26	CMR	
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	11/4/22 20:26	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/4/22 20:26	CMR	
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/4/22 20:26	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/4/22 20:26	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/4/22 20:26	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/4/22 20:26	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/4/22 20:26	CMR	
Carbon Disulfide	0.33	2.0	0.18	J	1.0	6.2	0.58	4	11/4/22 20:26	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/4/22 20:26	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/4/22 20:26	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/4/22 20:26	CMR	
Chloroform	1.9	0.20	0.19		9.1	0.98	0.93	4	11/4/22 20:26	CMR	
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/4/22 20:26	CMR	
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/4/22 20:26	CMR	
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/4/22 20:26	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12	ND	1.5	0.93	4	11/4/22 20:26	CMR		
1,2-Dichlorobenzene	ND	0.20	0.11	ND	1.2	0.69	4	11/4/22 20:26	CMR		
1,3-Dichlorobenzene	ND	0.20	0.11	ND	1.2	0.67	4	11/4/22 20:26	CMR		
1,4-Dichlorobenzene	ND	0.20	0.13	ND	1.2	0.79	4	11/4/22 20:26	CMR		
Dichlorodifluoromethane (Freon 12)	0.44	0.20	0.20	2.2	0.99	0.97	4	11/4/22 20:26	CMR		
1,1-Dichloroethane	ND	0.20	0.17	ND	0.81	0.71	4	11/4/22 20:26	CMR		
1,2-Dichloroethane	ND	0.20	0.18	ND	0.81	0.73	4	11/4/22 20:26	CMR		
1,1-Dichloroethylene	ND	0.20	0.15	ND	0.79	0.60	4	11/4/22 20:26	CMR		
cis-1,2-Dichloroethylene	ND	0.20	0.15	ND	0.79	0.58	4	11/4/22 20:26	CMR		
trans-1,2-Dichloroethylene	ND	0.20	0.16	ND	0.79	0.62	4	11/4/22 20:26	CMR		
1,2-Dichloropropane	ND	0.20	0.11	ND	0.92	0.50	4	11/4/22 20:26	CMR		
cis-1,3-Dichloropropene	ND	0.20	0.10	ND	0.91	0.47	4	11/4/22 20:26	CMR		
trans-1,3-Dichloropropene	ND	0.20	0.10	ND	0.91	0.46	4	11/4/22 20:26	CMR		
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20	ND	1.4	1.4	4	11/4/22 20:26	CMR		
1,4-Dioxane	ND	2.0	0.17	ND	7.2	0.60	4	11/4/22 20:26	CMR		
Ethanol	6.1	8.0	3.5	V-05, L-03, J	12	15	6.6	4	11/4/22 20:26	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/4/22 20:26	CMR	
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/4/22 20:26	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/4/22 20:26	CMR	
Heptane	ND	0.20	0.13	ND	0.82	0.52	4	11/4/22 20:26	CMR		
Hexachlorobutadiene	ND	0.20	0.16	ND	2.1	1.8	4	11/4/22 20:26	CMR		
Hexane	ND	8.0	1.0	ND	28	3.7	4	11/4/22 20:26	CMR		
2-Hexanone (MBK)	ND	0.20	0.10	ND	0.82	0.41	4	11/4/22 20:26	CMR		
Isopropanol	39	8.0	1.4	L-03	96	20	3.4	4	11/4/22 20:26	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/4/22 20:26	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/4/22 20:26	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/4/22 20:26	CMR	
Naphthalene	ND	0.20	0.15	ND	1.0	0.79	4	11/4/22 20:26	CMR		
Propene	ND	8.0	1.8	ND	14	3.0	4	11/4/22 20:26	CMR		
Styrene	ND	0.20	0.11	ND	0.85	0.45	4	11/4/22 20:26	CMR		
1,1,2,2-Tetrachloroethane	ND	0.20	0.11	ND	1.4	0.74	4	11/4/22 20:26	CMR		

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/28/2022
Field Sample #: SV-9-10.27.22
Sample ID: 22J4339-01
Sample Matrix: Soil Gas
Sampled: 10/27/2022 12:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1162
Canister Size: 6 liter
Flow Controller ID: 4316
Sample Type: 2 hr

Work Order: 22J4339
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -11.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	0.22	0.20	0.15	J	1.5	1.4	1.0	4	11/4/22 20:26	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/4/22 20:26	CMR
Toluene	0.16	0.20	0.11		0.60	0.75	0.43	4	11/4/22 20:26	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	11/4/22 20:26	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/4/22 20:26	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/4/22 20:26	CMR
Trichloroethylene	0.34	0.20	0.13		1.8	1.1	0.72	4	11/4/22 20:26	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/4/22 20:26	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/4/22 20:26	CMR
1,2,4-Trimethylbenzene	ND	0.20	0.088		ND	0.98	0.43	4	11/4/22 20:26	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11	ND	0.98	0.52	4	11/4/22 20:26	CMR	
Vinyl Acetate	ND	4.0	1.1	ND	14	3.8	4	11/4/22 20:26	CMR	
Vinyl Chloride	ND	0.20	0.18	ND	0.51	0.46	4	11/4/22 20:26	CMR	
m&p-Xylene	ND	0.40	0.22	ND	1.7	0.97	4	11/4/22 20:26	CMR	
o-Xylene	ND	0.20	0.10	ND	0.87	0.44	4	11/4/22 20:26	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	11/4/22 20:26

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
Field Sample #: DUP-1-10.27.22
Sample ID: 22J4339-02
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1886
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Acetone	5.8	8.0	4.8	J	14	19	11	4	11/4/22 21:07	CMR	
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	11/4/22 21:07	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/4/22 21:07	CMR	
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/4/22 21:07	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/4/22 21:07	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/4/22 21:07	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/4/22 21:07	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/4/22 21:07	CMR	
Carbon Disulfide	0.36	2.0	0.18	J	1.1	6.2	0.58	4	11/4/22 21:07	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/4/22 21:07	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/4/22 21:07	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/4/22 21:07	CMR	
Chloroform	2.1	0.20	0.19		10	0.98	0.93	4	11/4/22 21:07	CMR	
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/4/22 21:07	CMR	
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/4/22 21:07	CMR	
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/4/22 21:07	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/4/22 21:07	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/4/22 21:07	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/4/22 21:07	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/4/22 21:07	CMR	
Dichlorodifluoromethane (Freon 12)	0.41	0.20	0.20		2.0	0.99	0.97	4	11/4/22 21:07	CMR	
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/4/22 21:07	CMR	
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/4/22 21:07	CMR	
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/4/22 21:07	CMR	
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/4/22 21:07	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/4/22 21:07	CMR	
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/4/22 21:07	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/4/22 21:07	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/4/22 21:07	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/4/22 21:07	CMR	
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/4/22 21:07	CMR	
Ethanol	6.5	8.0	3.5	L-03, V-05, J	12	15	6.6	4	11/4/22 21:07	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/4/22 21:07	CMR	
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/4/22 21:07	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/4/22 21:07	CMR	
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/4/22 21:07	CMR	
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	11/4/22 21:07	CMR	
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/4/22 21:07	CMR	
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/4/22 21:07	CMR	
Isopropanol	43	8.0	1.4	L-03	110	20	3.4	4	11/4/22 21:07	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/4/22 21:07	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/4/22 21:07	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/4/22 21:07	CMR	
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/4/22 21:07	CMR	
Propene	ND	8.0	1.8		ND	14	3.0	4	11/4/22 21:07	CMR	
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/4/22 21:07	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/4/22 21:07	CMR	

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/28/2022
Field Sample #: DUP-1-10.27.22
Sample ID: 22J4339-02
Sample Matrix: Soil Gas
Sampled: 10/27/2022 12:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1886
Canister Size: 6 liter
Flow Controller ID: 4316
Sample Type: 2 hr

Work Order: 22J4339
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -11.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	0.24	0.20	0.15	J	1.7	1.4	1.0	4	11/4/22 21:07	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/4/22 21:07	CMR
Toluene	0.16	0.20	0.11		0.62	0.75	0.43	4	11/4/22 21:07	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	11/4/22 21:07	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/4/22 21:07	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/4/22 21:07	CMR
Trichloroethylene	0.40	0.20	0.13		2.1	1.1	0.72	4	11/4/22 21:07	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/4/22 21:07	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/4/22 21:07	CMR
1,2,4-Trimethylbenzene	ND	0.20	0.088		ND	0.98	0.43	4	11/4/22 21:07	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11	ND	0.98	0.52	4	11/4/22 21:07	CMR	
Vinyl Acetate	ND	4.0	1.1	ND	14	3.8	4	11/4/22 21:07	CMR	
Vinyl Chloride	ND	0.20	0.18	ND	0.51	0.46	4	11/4/22 21:07	CMR	
m&p-Xylene	ND	0.40	0.22	ND	1.7	0.97	4	11/4/22 21:07	CMR	
o-Xylene	ND	0.20	0.10	ND	0.87	0.44	4	11/4/22 21:07	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.8	70-130	11/4/22 21:07

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
Field Sample #: OA-1-10.27.22
Sample ID: 22J4339-03
 Sample Matrix: Ambient Air
 Sampled: 10/27/2022 12:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1936
 Canister Size: 6 liter
 Flow Controller ID: 4439
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	3.8	1.4	0.84		9.1	3.3	2.0	0.696	11/4/22 19:45		CMR
Benzene	0.097	0.035	0.026		0.31	0.11	0.084	0.696	11/4/22 19:45		CMR
Benzyl chloride	ND	0.035	0.031		ND	0.18	0.16	0.696	11/4/22 19:45		CMR
Bromodichloromethane	ND	0.035	0.024		ND	0.23	0.16	0.696	11/4/22 19:45		CMR
Bromoform	ND	0.035	0.024		ND	0.36	0.24	0.696	11/4/22 19:45		CMR
Bromomethane	ND	0.035	0.023		ND	0.14	0.090	0.696	11/4/22 19:45		CMR
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.696	11/4/22 19:45		CMR
2-Butanone (MEK)	0.46	1.4	0.37	J	1.4	4.1	1.1	0.696	11/4/22 19:45		CMR
Carbon Disulfide	ND	0.35	0.032		ND	1.1	0.10	0.696	11/4/22 19:45		CMR
Carbon Tetrachloride	0.070	0.035	0.028		0.44	0.22	0.17	0.696	11/4/22 19:45		CMR
Chlorobenzene	ND	0.035	0.023		ND	0.16	0.11	0.696	11/4/22 19:45		CMR
Chloroethane	ND	0.035	0.031		ND	0.092	0.081	0.696	11/4/22 19:45		CMR
Chloroform	ND	0.035	0.033		ND	0.17	0.16	0.696	11/4/22 19:45		CMR
Chloromethane	0.42	0.070	0.028		0.87	0.14	0.057	0.696	11/4/22 19:45		CMR
Cyclohexane	ND	0.035	0.021		ND	0.12	0.072	0.696	11/4/22 19:45		CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	11/4/22 19:45		CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.021		ND	0.27	0.16	0.696	11/4/22 19:45		CMR
1,2-Dichlorobenzene	ND	0.035	0.020		ND	0.21	0.12	0.696	11/4/22 19:45		CMR
1,3-Dichlorobenzene	ND	0.035	0.019		ND	0.21	0.12	0.696	11/4/22 19:45		CMR
1,4-Dichlorobenzene	ND	0.035	0.023		ND	0.21	0.14	0.696	11/4/22 19:45		CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.035	0.034		1.0	0.17	0.17	0.696	11/4/22 19:45		CMR
1,1-Dichloroethane	ND	0.035	0.030		ND	0.14	0.12	0.696	11/4/22 19:45		CMR
1,2-Dichloroethane	ND	0.035	0.032		ND	0.14	0.13	0.696	11/4/22 19:45		CMR
1,1-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.696	11/4/22 19:45		CMR
cis-1,2-Dichloroethylene	ND	0.035	0.025		ND	0.14	0.10	0.696	11/4/22 19:45		CMR
trans-1,2-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.696	11/4/22 19:45		CMR
1,2-Dichloropropane	ND	0.035	0.019		ND	0.16	0.087	0.696	11/4/22 19:45		CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.696	11/4/22 19:45		CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.081	0.696	11/4/22 19:45		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.034		ND	0.24	0.24	0.696	11/4/22 19:45		CMR
1,4-Dioxane	ND	0.35	0.029		ND	1.3	0.10	0.696	11/4/22 19:45		CMR
Ethanol	6.7	1.4	0.61	L-03, V-05	13	2.6	1.2	0.696	11/4/22 19:45		CMR
Ethyl Acetate	ND	0.35	0.18		ND	1.3	0.63	0.696	11/4/22 19:45		CMR
Ethylbenzene	0.029	0.035	0.020	J	0.12	0.15	0.088	0.696	11/4/22 19:45		CMR
4-Ethyltoluene	ND	0.035	0.021		ND	0.17	0.11	0.696	11/4/22 19:45		CMR
Heptane	0.047	0.035	0.022		0.19	0.14	0.091	0.696	11/4/22 19:45		CMR
Hexachlorobutadiene	ND	0.035	0.029		ND	0.37	0.31	0.696	11/4/22 19:45		CMR
Hexane	ND	1.4	0.18		ND	4.9	0.64	0.696	11/4/22 19:45		CMR
2-Hexanone (MBK)	0.11	0.035	0.017		0.44	0.14	0.071	0.696	11/4/22 19:45		CMR
Isopropanol	3.8	1.4	0.24	L-03	9.2	3.4	0.59	0.696	11/4/22 19:45		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.027		ND	0.13	0.097	0.696	11/4/22 19:45		CMR
Methylene Chloride	ND	0.35	0.16		ND	1.2	0.56	0.696	11/4/22 19:45		CMR
4-Methyl-2-pentanone (MIBK)	0.064	0.035	0.019		0.26	0.14	0.076	0.696	11/4/22 19:45		CMR
Naphthalene	0.035	0.035	0.026		0.19	0.18	0.14	0.696	11/4/22 19:45		CMR
Propene	0.39	1.4	0.31	J	0.67	2.4	0.53	0.696	11/4/22 19:45		CMR
Styrene	ND	0.035	0.018		ND	0.15	0.078	0.696	11/4/22 19:45		CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.019		ND	0.24	0.13	0.696	11/4/22 19:45		CMR

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
Field Sample #: OA-1-10.27.22
Sample ID: 22J4339-03
 Sample Matrix: Ambient Air
 Sampled: 10/27/2022 12:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1936
 Canister Size: 6 liter
 Flow Controller ID: 4439
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	Results	ppbv		Flag/Qual	Results	ug/m3		Dilution	Date/Time		Analyst
		RL	MDL			RL	MDL		Analyzed		
Tetrachloroethylene	ND	0.035	0.027		ND	0.24	0.18	0.696	11/4/22 19:45		CMR
Tetrahydrofuran	ND	0.35	0.057		ND	1.0	0.17	0.696	11/4/22 19:45		CMR
Toluene	0.19	0.035	0.020		0.71	0.13	0.075	0.696	11/4/22 19:45		CMR
1,2,4-Trichlorobenzene	ND	0.035	0.032		ND	0.26	0.24	0.696	11/4/22 19:45		CMR
1,1,1-Trichloroethane	ND	0.035	0.027		ND	0.19	0.15	0.696	11/4/22 19:45		CMR
1,1,2-Trichloroethane	ND	0.035	0.024		ND	0.19	0.13	0.696	11/4/22 19:45		CMR
Trichloroethylene	ND	0.035	0.023		ND	0.19	0.13	0.696	11/4/22 19:45		CMR
Trichlorofluoromethane (Freon 11)	0.18	0.14	0.041		1.00	0.78	0.23	0.696	11/4/22 19:45		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.052	0.14	0.039	J	0.40	1.1	0.30	0.696	11/4/22 19:45		CMR
1,2,4-Trimethylbenzene	0.033	0.035	0.015	J	0.16	0.17	0.076	0.696	11/4/22 19:45		CMR
1,3,5-Trimethylbenzene	ND	0.035	0.018		ND	0.17	0.090	0.696	11/4/22 19:45		CMR
Vinyl Acetate	ND	0.70	0.19		ND	2.5	0.66	0.696	11/4/22 19:45		CMR
Vinyl Chloride	ND	0.035	0.031		ND	0.089	0.080	0.696	11/4/22 19:45		CMR
m&p-Xylene	0.085	0.070	0.039		0.37	0.30	0.17	0.696	11/4/22 19:45		CMR
o-Xylene	0.034	0.035	0.018	J	0.15	0.15	0.077	0.696	11/4/22 19:45		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	11/4/22 19:45

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

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22J4339-01 [SV-9-10.27.22]	B322593	2	1	N/A	1000	400	200	11/04/22
22J4339-02 [DUP-1-10.27.22]	B322593	2	1	N/A	1000	400	200	11/04/22
22J4339-03 [OA-1-10.27.22]	B322593	1.74	1	N/A	1000	400	1000	11/04/22

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B322593 - TO-15 Prep
Blank (B322593-BLK1)

Prepared & Analyzed: 11/04/22

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

L-03, V-05

L-03

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B322593 - TO-15 Prep
Blank (B322593-BLK1)

Prepared & Analyzed: 11/04/22

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

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.10</i>	<i>8.00</i>	<i>101</i>	<i>70-130</i>

LCS (B322593-BS1)

Prepared & Analyzed: 11/04/22

Acetone	4.06	5.00	81.3	70-130
Benzene	5.33	5.00	107	70-130
Benzyl chloride	5.80	5.00	116	70-130
Bromodichloromethane	5.20	5.00	104	70-130
Bromoform	5.14	5.00	103	70-130
Bromomethane	3.72	5.00	74.4	70-130
1,3-Butadiene	3.74	5.00	74.9	70-130
2-Butanone (MEK)	4.76	5.00	95.1	70-130
Carbon Disulfide	4.83	5.00	96.7	70-130
Carbon Tetrachloride	5.31	5.00	106	70-130
Chlorobenzene	4.78	5.00	95.6	70-130
Chloroethane	3.81	5.00	76.3	70-130
Chloroform	4.65	5.00	93.0	70-130
Chloromethane	3.85	5.00	76.9	70-130
Cyclohexane	5.21	5.00	104	70-130
Dibromochloromethane	5.21	5.00	104	70-130
1,2-Dibromoethane (EDB)	4.87	5.00	97.4	70-130
1,2-Dichlorobenzene	4.94	5.00	98.8	70-130
1,3-Dichlorobenzene	5.09	5.00	102	70-130
1,4-Dichlorobenzene	5.12	5.00	102	70-130
Dichlorodifluoromethane (Freon 12)	4.57	5.00	91.3	70-130
1,1-Dichloroethane	4.98	5.00	99.7	70-130
1,2-Dichloroethane	4.83	5.00	96.6	70-130
1,1-Dichloroethylene	4.87	5.00	97.4	70-130
cis-1,2-Dichloroethylene	4.76	5.00	95.3	70-130
trans-1,2-Dichloroethylene	4.84	5.00	96.7	70-130
1,2-Dichloropropane	5.58	5.00	112	70-130

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B322593 - TO-15 Prep											
LCS (B322593-BS1)					Prepared & Analyzed: 11/04/22						
cis-1,3-Dichloropropene	5.25				5.00		105	70-130			
trans-1,3-Dichloropropene	5.33				5.00		107	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	3.59				5.00		71.8	70-130			
1,4-Dioxane	4.86				5.00		97.1	70-130			
Ethanol	2.76				5.00		55.3	* 70-130			L-03, V-05
Ethyl Acetate	4.88				5.00		97.6	70-130			
Ethylbenzene	5.09				5.00		102	70-130			
4-Ethyltoluene	5.25				5.00		105	70-130			
Heptane	5.65				5.00		113	70-130			
Hexachlorobutadiene	4.36				5.00		87.2	70-130			
Hexane	5.24				5.00		105	70-130			
2-Hexanone (MBK)	5.43				5.00		109	70-130			
Isopropanol	3.16				5.00		63.1	* 70-130			L-03
Methyl tert-Butyl Ether (MTBE)	4.53				5.00		90.7	70-130			
Methylene Chloride	4.32				5.00		86.4	70-130			
4-Methyl-2-pentanone (MIBK)	5.40				5.00		108	70-130			
Naphthalene	5.80				5.00		116	70-130			
Propene	4.61				5.00		92.2	70-130			
Styrene	5.15				5.00		103	70-130			
1,1,2,2-Tetrachloroethane	5.02				5.00		100	70-130			
Tetrachloroethylene	4.69				5.00		93.8	70-130			
Tetrahydrofuran	4.71				5.00		94.3	70-130			
Toluene	5.15				5.00		103	70-130			
1,2,4-Trichlorobenzene	4.28				5.00		85.6	70-130			
1,1,1-Trichloroethane	4.94				5.00		98.7	70-130			
1,1,2-Trichloroethane	5.04				5.00		101	70-130			
Trichloroethylene	5.05				5.00		101	70-130			
Trichlorofluoromethane (Freon 11)	4.11				5.00		82.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.21				5.00		84.2	70-130			
1,2,4-Trimethylbenzene	5.19				5.00		104	70-130			
1,3,5-Trimethylbenzene	5.26				5.00		105	70-130			
Vinyl Acetate	4.37				5.00		87.3	70-130			
Vinyl Chloride	3.94				5.00		78.7	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.32				5.00		106	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.40				8.00		105	70-130			

Note: Blank Subtraction is not performed unless otherwise noted

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
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

ANALYST

TPH	Thomas P. Hnitecki
RJM	Raymond J. McCarthy
STATION	PDF Management Station
LR	Lionel Rios
KKM	Kerry K. McGee
CMR	Catherine M. Rouleau
BRF	Brittany R. Fisk

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 (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	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 (S079080-CCV1)			Lab File ID: G22A308004.D			Analyzed: 11/04/22 13:38			
Bromochloromethane (1)	998904	8.307	998904	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1949088	10.081	1949088	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1743632	14.446	1743632	14.446	100	60 - 140	0.0000	+/-0.50	
LCS (B322593-BS1)			Lab File ID: G22A308008.D			Analyzed: 11/04/22 16:16			
Bromochloromethane (1)	1150206	8.307	998904	8.307	115	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2433166	10.081	1949088	10.081	125	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2173135	14.446	1743632	14.446	125	60 - 140	0.0000	+/-0.50	
Blank (B322593-BLK1)			Lab File ID: G22A308011.D			Analyzed: 11/04/22 18:56			
Bromochloromethane (1)	1128683	8.307	998904	8.307	113	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2362398	10.075	1949088	10.081	121	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2163618	14.446	1743632	14.446	124	60 - 140	0.0000	+/-0.50	
OA-1-10.27.22 (22J4339-03)			Lab File ID: G22A308012.D			Analyzed: 11/04/22 19:45			
Bromochloromethane (1)	1136806	8.307	998904	8.307	114	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2319324	10.081	1949088	10.081	119	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2145725	14.446	1743632	14.446	123	60 - 140	0.0000	+/-0.50	
SV-9-10.27.22 (22J4339-01)			Lab File ID: G22A308013.D			Analyzed: 11/04/22 20:26			
Bromochloromethane (1)	1082665	8.307	998904	8.307	108	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2140993	10.081	1949088	10.081	110	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1976658	14.446	1743632	14.446	113	60 - 140	0.0000	+/-0.50	
DUP-1-10.27.22 (22J4339-02)			Lab File ID: G22A308014.D			Analyzed: 11/04/22 21:07			
Bromochloromethane (1)	993485	8.307	998904	8.307	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1905946	10.081	1949088	10.081	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1782149	14.446	1743632	14.446	102	60 - 140	0.0000	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S079080-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.40	1.084004	0.9543932		-12.0	30
Benzene	A	5.00	5.53	0.9129288	1.010462		10.7	30
Benzyl chloride	A	5.00	5.94	1.030942	1.224777		18.8	30
Bromodichloromethane	A	5.00	5.41	0.6953811	0.7524914		8.2	30
Bromoform	A	5.00	5.14	0.5656468	0.5810107		2.7	30
Bromomethane	A	5.00	3.55	0.6009459	0.4270504		-28.9	30
1,3-Butadiene	A	5.00	3.87	0.5443004	0.4217743		-22.5	30
2-Butanone (MEK)	A	5.00	4.89	1.507683	1.475393		-2.1	30
Carbon Disulfide	A	5.00	4.42	2.02748	1.791009		-11.7	30
Carbon Tetrachloride	A	5.00	5.36	0.5479998	0.5869806		7.1	30
Chlorobenzene	A	5.00	4.89	0.8809329	0.8613469		-2.2	30
Chloroethane	A	5.00	3.69	0.3452967	0.2545254		-26.3	30
Chloroform	A	5.00	4.49	1.561184	1.401442		-10.2	30
Chloromethane	A	5.00	4.02	0.6821899	0.5485404		-19.6	30
Cyclohexane	A	5.00	5.29	0.3600845	0.3810258		5.8	30
Dibromochloromethane	A	5.00	5.28	0.6396581	0.6760968		5.7	30
1,2-Dibromoethane (EDB)	A	5.00	5.08	0.6171207	0.6267405		1.6	30
1,2-Dichlorobenzene	A	5.00	5.06	0.6937094	0.7018508		1.2	30
1,3-Dichlorobenzene	A	5.00	5.22	0.7409581	0.7738771		4.4	30
1,4-Dichlorobenzene	A	5.00	5.17	0.7218155	0.7468778		3.5	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.53	1.62808	1.474296		-9.4	30
1,1-Dichloroethane	A	5.00	4.78	1.342742	1.283568		-4.4	30
1,2-Dichloroethane	A	5.00	4.70	0.9627523	0.9049694		-6.0	30
1,1-Dichloroethylene	A	5.00	4.70	1.140142	1.07267		-5.9	30
cis-1,2-Dichloroethylene	A	5.00	4.69	0.9670963	0.9073545		-6.2	30
trans-1,2-Dichloroethylene	A	5.00	4.72	1.001825	0.9446642		-5.7	30
1,2-Dichloropropane	A	5.00	5.90	0.3567989	0.421322		18.1	30
cis-1,3-Dichloropropene	A	5.00	5.69	0.5092852	0.5798035		13.8	30
trans-1,3-Dichloropropene	A	5.00	5.58	0.4570981	0.5098672		11.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	3.76	1.73998	1.310053		-24.7	30
1,4-Dioxane	A	5.00	4.90	0.1857641	0.1822087		-1.9	30
Ethanol	A	5.00	3.39	0.2343264	0.1590079		-32.1	30 *
Ethyl Acetate	A	5.00	5.17	0.2308163	0.2385222		3.3	30
Ethylbenzene	A	5.00	5.36	1.455024	1.559079		7.2	30
4-Ethyltoluene	A	5.00	5.40	1.413771	1.525452		7.9	30
Heptane	A	5.00	6.02	0.2850308	0.3428754		20.3	30
Hexachlorobutadiene	A	5.00	5.13	0.4677459	0.4799627		2.6	30
Hexane	A	5.00	5.26	0.8985394	0.8869865		5.1	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S079080-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	6.23	0.7712864	0.961301		24.6	30
Isopropanol	A	5.00	3.88	1.338902	1.037782		-22.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.51	1.834723	1.654732		-9.8	30
Methylene Chloride	A	5.00	4.33	0.9597215	0.830616		-13.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	6.24	0.7726854	0.9635801		24.7	30
Naphthalene	A	5.00	5.52	1.092246	1.20511		10.3	30
Propene	A	5.00	4.90	0.5941328	0.5821693		-2.0	30
Styrene	A	5.00	5.31	0.7890752	0.838509		6.3	30
1,1,2,2-Tetrachloroethane	A	5.00	5.45	0.9851261	1.072964		8.9	30
Tetrachloroethylene	A	5.00	4.56	0.457194	0.416642		-8.9	30
Tetrahydrofuran	A	5.00	4.76	0.2957092	0.2813227		-4.9	30
Toluene	A	5.00	5.21	1.15399	1.20213		4.2	30
1,2,4-Trichlorobenzene	A	5.00	4.96	0.4973623	0.4930004		-0.9	30
1,1,1-Trichloroethane	A	5.00	5.28	0.5975698	0.6316907		5.7	30
1,1,2-Trichloroethane	A	5.00	5.12	0.4162703	0.4262551		2.4	30
Trichloroethylene	A	5.00	5.24	0.3947958	0.41353		4.7	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.01	1.463327	1.173012		-19.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.02	1.432547	1.152087		-19.6	30
1,2,4-Trimethylbenzene	A	5.00	5.50	1.156019	1.271331		10.0	30
1,3,5-Trimethylbenzene	A	5.00	5.48	1.190388	1.304348		9.6	30
Vinyl Acetate	A	5.00	4.10	1.986739	1.630437		-17.9	30
Vinyl Chloride	A	5.00	3.92	0.7142115	0.5599145		-21.6	30
m&p-Xylene	A	10.0	11.1	1.129066	1.255265		11.2	30
o-Xylene	A	5.00	5.59	1.138955	1.273431		11.8	30

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

* Values outside of QC limits

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,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

CERTIFICATIONS
Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

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



Doc# 278 Rev 7 July 2022

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 HCP

Received By JK Date 10/28 Time 1625

How Were the samples received? In Cooler On Ice No Ice

Were samples within Temperature Compliance? In Box T Ambient Melted Ice

By Gun # Actual Temp -

By Blank # Actual Temp -

Was Custody Seal In tact? 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 Were samples received within holding time? 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?

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	<u>4</u>	<u>6L</u>	<u>3</u>	<u>2 hrs</u>	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
<u>1162</u>					<u>4316</u>				
<u>1886</u>					<u>4439</u>				
<u>1936</u>									
Unused Media					Pufs/TO-17's				
<u>2173-4359</u>	<u>-30.1</u>								

Comments:



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/18/2022 **Batch #:** 22CC0857

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Flow Controllers* ☐

Media IDs:	BC1936	BC1886	BC1162

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: CMR 11/9/22

April 12, 2023

Marnie Chancey
NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

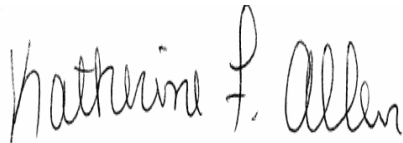
Project Location: 473 President St
Client Job Number:
Project Number: C224220A
Laboratory Work Order Number: 23A2216

Enclosed are results of analyses for samples as received by the laboratory on January 23, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

NYDEC_HRP Associates - Clifton Park, NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Marnie Chancey

REPORT DATE: 4/12/2023

PURCHASE ORDER NUMBER: MULTI QN

PROJECT NUMBER: C224220A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23A2216

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

PROJECT LOCATION: 473 President St

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SV-18-1.18.23	23A2216-01	Air		EPA TO-15	
DUP-1.18.23	23A2216-02	Air		EPA TO-15	
OA-1.18.23	23A2216-03	Air		EPA TO-15	
SV-16-1.18.23	23A2216-04	Air		EPA TO-15	
SV-15-1.18.23	23A2216-05	Air		EPA TO-15	
SV-17-1.18.23	23A2216-06	Air		EPA TO-15	

CASE NARRATIVE SUMMARY

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

REVISED 3/1/2023: Flow Controller RPDs for Samples -04,-06, and -16 calculated to be <20%; Sample -31 RPD >20%.

EPA TO-15**Qualifications:**

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:**1,3-Butadiene, Acrolein, Chloroethane, Ethanol, Isopropanol**

23A2216-01[SV-18-1.18.23], 23A2216-02[DUP-1.18.23], 23A2216-04[SV-16-1.18.23], B330682-BLK1, B330682-BS1, 23A2216-03[OA-1.18.23], 23A2216-05[SV-15-1.18.23], 23A2216-06[SV-17-1.18.23], B330948-BLK1, B330948-BS1

RL-11 Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23A2216-01[SV-18-1.18.23], 23A2216-02[DUP-1.18.23]

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:**4-Methyl-2-pentanone (MIBK), Acrolein, Chloroethane, Chloromethane, Ethanol, Isopropanol**

23A2216-03[OA-1.18.23], 23A2216-05[SV-15-1.18.23], 23A2216-06[SV-17-1.18.23], B330948-BLK1, B330948-BS1, S082984-CCV1, 23A2216-01[SV-18-1.18.23], 23A2216-02[DUP-1.18.23], 23A2216-04[SV-16-1.18.23], B330682-BLK1, B330682-BS1, S082839-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.



Raymond J. McCarthy
Project Manager

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-18-1.18.23
Sample ID: 23A2216-01
 Sample Matrix: Air
 Sampled: 1/18/2023 09:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2876
 Canister Size: 1 liter
 Flow Controller ID: PF0853
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	ND	120	72		ND	290	170	60	2/3/23	5:26	CMR
Acrolein	ND	60	15	L-03, V-05	ND	140	34	60	2/3/23	5:26	CMR
Benzene	4.9	3.0	2.3		16	9.6	7.3	60	2/3/23	5:26	CMR
Benzyl chloride	ND	3.0	2.6		ND	16	14	60	2/3/23	5:26	CMR
Bromodichloromethane	ND	3.0	2.1		ND	20	14	60	2/3/23	5:26	CMR
Bromoform	ND	3.0	2.0		ND	31	21	60	2/3/23	5:26	CMR
Bromomethane	ND	3.0	2.0		ND	12	7.8	60	2/3/23	5:26	CMR
1,3-Butadiene	ND	3.0	2.5	L-03	ND	6.6	5.6	60	2/3/23	5:26	CMR
2-Butanone (MEK)	ND	120	32		ND	350	94	60	2/3/23	5:26	CMR
Carbon Disulfide	8.2	30	2.8	J	25	93	8.6	60	2/3/23	5:26	CMR
Carbon Tetrachloride	ND	3.0	2.4		ND	19	15	60	2/3/23	5:26	CMR
Chlorobenzene	ND	3.0	2.0		ND	14	9.2	60	2/3/23	5:26	CMR
Chloroethane	ND	3.0	2.7	L-03, V-05	ND	7.9	7.0	60	2/3/23	5:26	CMR
Chloroform	16	3.0	2.8		77	15	14	60	2/3/23	5:26	CMR
Chloromethane	ND	6.0	2.4		ND	12	4.9	60	2/3/23	5:26	CMR
Cyclohexane	2700	3.0	1.8		9400	10	6.2	60	2/3/23	5:26	CMR
Dibromochloromethane	ND	3.0	2.0		ND	26	17	60	2/3/23	5:26	CMR
1,2-Dibromoethane (EDB)	ND	3.0	1.8		ND	23	14	60	2/3/23	5:26	CMR
1,2-Dichlorobenzene	ND	3.0	1.7		ND	18	10	60	2/3/23	5:26	CMR
1,3-Dichlorobenzene	ND	3.0	1.7		ND	18	10.0	60	2/3/23	5:26	CMR
1,4-Dichlorobenzene	ND	3.0	2.0		ND	18	12	60	2/3/23	5:26	CMR
Dichlorodifluoromethane (Freon 12)	ND	3.0	2.9		ND	15	14	60	2/3/23	5:26	CMR
1,1-Dichloroethane	ND	3.0	2.6		ND	12	11	60	2/3/23	5:26	CMR
1,2-Dichloroethane	ND	3.0	2.7		ND	12	11	60	2/3/23	5:26	CMR
1,1-Dichloroethylene	ND	3.0	2.3		ND	12	9.1	60	2/3/23	5:26	CMR
cis-1,2-Dichloroethylene	ND	3.0	2.2		ND	12	8.7	60	2/3/23	5:26	CMR
trans-1,2-Dichloroethylene	ND	3.0	2.4		ND	12	9.3	60	2/3/23	5:26	CMR
1,2-Dichloropropane	ND	3.0	1.6		ND	14	7.5	60	2/3/23	5:26	CMR
cis-1,3-Dichloropropene	ND	3.0	1.6		ND	14	7.1	60	2/3/23	5:26	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	3.0		ND	21	21	60	2/3/23	5:26	CMR
1,4-Dioxane	ND	30	2.5		ND	110	9.0	60	2/3/23	5:26	CMR
Ethanol	ND	120	53	L-03, V-05	ND	230	100	60	2/3/23	5:26	CMR
Ethyl Acetate	ND	30	15		ND	110	55	60	2/3/23	5:26	CMR
Ethylbenzene	2.0	3.0	1.8	J	8.9	13	7.6	60	2/3/23	5:26	CMR
4-Ethyltoluene	ND	3.0	1.8		ND	15	9.1	60	2/3/23	5:26	CMR
Heptane	3.5	3.0	1.9		14	12	7.9	60	2/3/23	5:26	CMR
Hexachlorobutadiene	ND	3.0	2.5		ND	32	26	60	2/3/23	5:26	CMR
Hexane	ND	120	16		ND	420	55	60	2/3/23	5:26	CMR
2-Hexanone (MBK)	ND	3.0	1.5		ND	12	6.1	60	2/3/23	5:26	CMR
Isopropanol	ND	120	21	L-03, V-05	ND	290	51	60	2/3/23	5:26	CMR
Methyl tert-Butyl Ether (MTBE)	ND	3.0	2.3		ND	11	8.4	60	2/3/23	5:26	CMR
Methylene Chloride	ND	30	14		ND	100	48	60	2/3/23	5:26	CMR
4-Methyl-2-pentanone (MIBK)	ND	3.0	1.6		ND	12	6.6	60	2/3/23	5:26	CMR
Naphthalene	ND	3.0	2.3		ND	16	12	60	2/3/23	5:26	CMR
Propene	ND	120	26		ND	210	45	60	2/3/23	5:26	CMR
Styrene	ND	3.0	1.6		ND	13	6.7	60	2/3/23	5:26	CMR
1,1,2,2-Tetrachloroethane	ND	3.0	1.6		ND	21	11	60	2/3/23	5:26	CMR

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-18-1.18.23
Sample ID: 23A2216-01
 Sample Matrix: Air
 Sampled: 1/18/2023 09:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2876
 Canister Size: 1 liter
 Flow Controller ID: PF0853
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	4.3	3.0	2.3		29	20	16	60	2/3/23	5:26	CMR
Tetrahydrofuran	ND	30	4.9		ND	88	15	60	2/3/23	5:26	CMR
Toluene	7.7	3.0	1.7		29	11	6.5	60	2/3/23	5:26	CMR
1,2,4-Trichlorobenzene	ND	3.0	2.8		ND	22	21	60	2/3/23	5:26	CMR
1,1,1-Trichloroethane	ND	3.0	2.4		ND	16	13	60	2/3/23	5:26	CMR
1,1,2-Trichloroethane	ND	3.0	2.1		ND	16	12	60	2/3/23	5:26	CMR
Trichloroethylene	ND	3.0	2.0		ND	16	11	60	2/3/23	5:26	CMR
Trichlorofluoromethane (Freon 11)	ND	12	3.5		ND	67	20	60	2/3/23	5:26	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12	3.3		ND	92	26	60	2/3/23	5:26	CMR
1,2,4-Trimethylbenzene	ND	3.0	1.3		ND	15	6.5	60	2/3/23	5:26	CMR
1,3,5-Trimethylbenzene	ND	3.0	1.6		ND	15	7.8	60	2/3/23	5:26	CMR
Vinyl Acetate	ND	30	16		ND	110	57	60	2/3/23	5:26	CMR
Vinyl Chloride	ND	3.0	2.7		ND	7.7	6.9	60	2/3/23	5:26	CMR
m&p-Xylene	5.7	6.0	3.4	J	25	26	15	60	2/3/23	5:26	CMR
o-Xylene	1.7	3.0	1.5	J	7.6	13	6.7	60	2/3/23	5:26	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	2/3/23 5:26

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: DUP-1.18.23
Sample ID: 23A2216-02
 Sample Matrix: Air
 Sampled: 1/18/2023 09:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P3116
 Canister Size: 1 liter
 Flow Controller ID: PF0853
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	ND	120	72		ND	290	170	60	2/3/23	7:15	CMR
Acrolein	ND	60	15	L-03, V-05	ND	140	34	60	2/3/23	7:15	CMR
Benzene	5.0	3.0	2.3		16	9.6	7.3	60	2/3/23	7:15	CMR
Benzyl chloride	ND	3.0	2.6		ND	16	14	60	2/3/23	7:15	CMR
Bromodichloromethane	ND	3.0	2.1		ND	20	14	60	2/3/23	7:15	CMR
Bromoform	ND	3.0	2.0		ND	31	21	60	2/3/23	7:15	CMR
Bromomethane	ND	3.0	2.0		ND	12	7.8	60	2/3/23	7:15	CMR
1,3-Butadiene	ND	3.0	2.5	L-03	ND	6.6	5.6	60	2/3/23	7:15	CMR
2-Butanone (MEK)	ND	120	32		ND	350	94	60	2/3/23	7:15	CMR
Carbon Disulfide	9.8	30	2.8	J	30	93	8.6	60	2/3/23	7:15	CMR
Carbon Tetrachloride	ND	3.0	2.4		ND	19	15	60	2/3/23	7:15	CMR
Chlorobenzene	ND	3.0	2.0		ND	14	9.2	60	2/3/23	7:15	CMR
Chloroethane	ND	3.0	2.7	L-03, V-05	ND	7.9	7.0	60	2/3/23	7:15	CMR
Chloroform	18	3.0	2.8		88	15	14	60	2/3/23	7:15	CMR
Chloromethane	ND	6.0	2.4		ND	12	4.9	60	2/3/23	7:15	CMR
Cyclohexane	3400	30	18		12000	100	62	600	2/3/23	8:09	CMR
Dibromochloromethane	ND	3.0	2.0		ND	26	17	60	2/3/23	7:15	CMR
1,2-Dibromoethane (EDB)	ND	3.0	1.8		ND	23	14	60	2/3/23	7:15	CMR
1,2-Dichlorobenzene	ND	3.0	1.7		ND	18	10	60	2/3/23	7:15	CMR
1,3-Dichlorobenzene	ND	3.0	1.7		ND	18	10.0	60	2/3/23	7:15	CMR
1,4-Dichlorobenzene	ND	3.0	2.0		ND	18	12	60	2/3/23	7:15	CMR
Dichlorodifluoromethane (Freon 12)	ND	3.0	2.9		ND	15	14	60	2/3/23	7:15	CMR
1,1-Dichloroethane	ND	3.0	2.6		ND	12	11	60	2/3/23	7:15	CMR
1,2-Dichloroethane	ND	3.0	2.7		ND	12	11	60	2/3/23	7:15	CMR
1,1-Dichloroethylene	ND	3.0	2.3		ND	12	9.1	60	2/3/23	7:15	CMR
cis-1,2-Dichloroethylene	ND	3.0	2.2		ND	12	8.7	60	2/3/23	7:15	CMR
trans-1,2-Dichloroethylene	ND	3.0	2.4		ND	12	9.3	60	2/3/23	7:15	CMR
1,2-Dichloropropane	ND	3.0	1.6		ND	14	7.5	60	2/3/23	7:15	CMR
cis-1,3-Dichloropropene	ND	3.0	1.6		ND	14	7.1	60	2/3/23	7:15	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	3.0		ND	21	21	60	2/3/23	7:15	CMR
1,4-Dioxane	ND	30	2.5		ND	110	9.0	60	2/3/23	7:15	CMR
Ethanol	ND	120	53	L-03, V-05	ND	230	100	60	2/3/23	7:15	CMR
Ethyl Acetate	ND	30	15		ND	110	55	60	2/3/23	7:15	CMR
Ethylbenzene	2.2	3.0	1.8	J	9.4	13	7.6	60	2/3/23	7:15	CMR
4-Ethyltoluene	ND	3.0	1.8		ND	15	9.1	60	2/3/23	7:15	CMR
Heptane	3.8	3.0	1.9		15	12	7.9	60	2/3/23	7:15	CMR
Hexachlorobutadiene	ND	3.0	2.5		ND	32	26	60	2/3/23	7:15	CMR
Hexane	17	120	16	J	60	420	55	60	2/3/23	7:15	CMR
2-Hexanone (MBK)	ND	3.0	1.5		ND	12	6.1	60	2/3/23	7:15	CMR
Isopropanol	ND	120	21	L-03, V-05	ND	290	51	60	2/3/23	7:15	CMR
Methyl tert-Butyl Ether (MTBE)	ND	3.0	2.3		ND	11	8.4	60	2/3/23	7:15	CMR
Methylene Chloride	ND	30	14		ND	100	48	60	2/3/23	7:15	CMR
4-Methyl-2-pentanone (MIBK)	ND	3.0	1.6		ND	12	6.6	60	2/3/23	7:15	CMR
Naphthalene	ND	3.0	2.3		ND	16	12	60	2/3/23	7:15	CMR
Propene	ND	120	26		ND	210	45	60	2/3/23	7:15	CMR
Styrene	ND	3.0	1.6		ND	13	6.7	60	2/3/23	7:15	CMR
1,1,2,2-Tetrachloroethane	ND	3.0	1.6		ND	21	11	60	2/3/23	7:15	CMR

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: DUP-1.18.23
Sample ID: 23A2216-02
 Sample Matrix: Air
 Sampled: 1/18/2023 09:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P3116
 Canister Size: 1 liter
 Flow Controller ID: PF0853
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	ND	3.0	2.3		ND	20	16	60	2/3/23	7:15	CMR
Tetrahydrofuran	ND	30	4.9		ND	88	15	60	2/3/23	7:15	CMR
Toluene	9.2	3.0	1.7		35	11	6.5	60	2/3/23	7:15	CMR
1,2,4-Trichlorobenzene	ND	3.0	2.8		ND	22	21	60	2/3/23	7:15	CMR
1,1,1-Trichloroethane	ND	3.0	2.4		ND	16	13	60	2/3/23	7:15	CMR
1,1,2-Trichloroethane	ND	3.0	2.1		ND	16	12	60	2/3/23	7:15	CMR
Trichloroethylene	ND	3.0	2.0		ND	16	11	60	2/3/23	7:15	CMR
Trichlorofluoromethane (Freon 11)	ND	12	3.5		ND	67	20	60	2/3/23	7:15	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12	3.3		ND	92	26	60	2/3/23	7:15	CMR
1,2,4-Trimethylbenzene	ND	3.0	1.3		ND	15	6.5	60	2/3/23	7:15	CMR
1,3,5-Trimethylbenzene	ND	3.0	1.6		ND	15	7.8	60	2/3/23	7:15	CMR
Vinyl Acetate	ND	30	16		ND	110	57	60	2/3/23	7:15	CMR
Vinyl Chloride	ND	3.0	2.7		ND	7.7	6.9	60	2/3/23	7:15	CMR
m&p-Xylene	6.3	6.0	3.4		27	26	15	60	2/3/23	7:15	CMR
o-Xylene	1.9	3.0	1.5	J	8.3	13	6.7	60	2/3/23	7:15	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	2/3/23 8:09
4-Bromofluorobenzene (1)	118	70-130	2/3/23 7:15

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: OA-1.18.23
Sample ID: 23A2216-03
 Sample Matrix: Air
 Sampled: 1/18/2023 09:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2450
 Canister Size: 1 liter
 Flow Controller ID: PF2618
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	1.9	2.0	1.2	J	4.5	4.8	2.9	1	2/6/23 18:33		SFM
Acrolein	ND	1.0	0.25	L-03	ND	2.3	0.57	1	2/6/23 18:33		SFM
Benzene	0.097	0.050	0.038		0.31	0.16	0.12	1	2/6/23 18:33		SFM
Benzyl chloride	ND	0.050	0.044		ND	0.26	0.23	1	2/6/23 18:33		SFM
Bromodichloromethane	ND	0.050	0.035		ND	0.34	0.23	1	2/6/23 18:33		SFM
Bromoform	ND	0.050	0.034		ND	0.52	0.35	1	2/6/23 18:33		SFM
Bromomethane	ND	0.050	0.033		ND	0.19	0.13	1	2/6/23 18:33		SFM
1,3-Butadiene	0.051	0.050	0.042		0.11	0.11	0.093	1	2/6/23 18:33		SFM
2-Butanone (MEK)	ND	2.0	0.53		ND	5.9	1.6	1	2/6/23 18:33		SFM
Carbon Disulfide	ND	0.50	0.046		ND	1.6	0.14	1	2/6/23 18:33		SFM
Carbon Tetrachloride	ND	0.050	0.040		ND	0.31	0.25	1	2/6/23 18:33		SFM
Chlorobenzene	ND	0.050	0.033		ND	0.23	0.15	1	2/6/23 18:33		SFM
Chloroethane	ND	0.050	0.044		ND	0.13	0.12	1	2/6/23 18:33		SFM
Chloroform	ND	0.050	0.048		ND	0.24	0.23	1	2/6/23 18:33		SFM
Chloromethane	0.15	0.10	0.040	V-05	0.32	0.21	0.082	1	2/6/23 18:33		SFM
Cyclohexane	ND	0.050	0.030		ND	0.17	0.10	1	2/6/23 18:33		SFM
Dibromochloromethane	ND	0.050	0.033		ND	0.43	0.28	1	2/6/23 18:33		SFM
1,2-Dibromoethane (EDB)	ND	0.050	0.030		ND	0.38	0.23	1	2/6/23 18:33		SFM
1,2-Dichlorobenzene	ND	0.050	0.029		ND	0.30	0.17	1	2/6/23 18:33		SFM
1,3-Dichlorobenzene	ND	0.050	0.028		ND	0.30	0.17	1	2/6/23 18:33		SFM
1,4-Dichlorobenzene	ND	0.050	0.033		ND	0.30	0.20	1	2/6/23 18:33		SFM
Dichlorodifluoromethane (Freon 12)	0.12	0.050	0.049		0.61	0.25	0.24	1	2/6/23 18:33		SFM
1,1-Dichloroethane	ND	0.050	0.044		ND	0.20	0.18	1	2/6/23 18:33		SFM
1,2-Dichloroethane	ND	0.050	0.045		ND	0.20	0.18	1	2/6/23 18:33		SFM
1,1-Dichloroethylene	ND	0.050	0.038		ND	0.20	0.15	1	2/6/23 18:33		SFM
cis-1,2-Dichloroethylene	ND	0.050	0.036		ND	0.20	0.14	1	2/6/23 18:33		SFM
trans-1,2-Dichloroethylene	ND	0.050	0.039		ND	0.20	0.16	1	2/6/23 18:33		SFM
1,2-Dichloropropane	ND	0.050	0.027		ND	0.23	0.13	1	2/6/23 18:33		SFM
cis-1,3-Dichloropropene	ND	0.050	0.026		ND	0.23	0.12	1	2/6/23 18:33		SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050	0.049		ND	0.35	0.34	1	2/6/23 18:33		SFM
1,4-Dioxane	ND	0.50	0.042		ND	1.8	0.15	1	2/6/23 18:33		SFM
Ethanol	2.1	2.0	0.88	V-05	4.0	3.8	1.7	1	2/6/23 18:33		SFM
Ethyl Acetate	ND	0.50	0.25		ND	1.8	0.91	1	2/6/23 18:33		SFM
Ethylbenzene	0.030	0.050	0.029	J	0.13	0.22	0.13	1	2/6/23 18:33		SFM
4-Ethyltoluene	ND	0.050	0.031		ND	0.25	0.15	1	2/6/23 18:33		SFM
Heptane	ND	0.050	0.032		ND	0.20	0.13	1	2/6/23 18:33		SFM
Hexachlorobutadiene	ND	0.050	0.041		ND	0.53	0.44	1	2/6/23 18:33		SFM
Hexane	ND	2.0	0.26		ND	7.0	0.92	1	2/6/23 18:33		SFM
2-Hexanone (MBK)	ND	0.050	0.025		ND	0.20	0.10	1	2/6/23 18:33		SFM
Isopropanol	ND	2.0	0.34		ND	4.9	0.85	1	2/6/23 18:33		SFM
Methyl tert-Butyl Ether (MTBE)	ND	0.050	0.039		ND	0.18	0.14	1	2/6/23 18:33		SFM
Methylene Chloride	ND	0.50	0.23		ND	1.7	0.81	1	2/6/23 18:33		SFM
4-Methyl-2-pentanone (MIBK)	ND	0.050	0.027	V-05	ND	0.20	0.11	1	2/6/23 18:33		SFM
Naphthalene	ND	0.050	0.038		ND	0.26	0.20	1	2/6/23 18:33		SFM
Propene	ND	2.0	0.44		ND	3.4	0.76	1	2/6/23 18:33		SFM
Styrene	ND	0.050	0.026		ND	0.21	0.11	1	2/6/23 18:33		SFM
1,1,2,2-Tetrachloroethane	ND	0.050	0.027		ND	0.34	0.19	1	2/6/23 18:33		SFM

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: OA-1.18.23
Sample ID: 23A2216-03
 Sample Matrix: Air
 Sampled: 1/18/2023 09:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2450
 Canister Size: 1 liter
 Flow Controller ID: PF2618
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: >20%

EPA TO-15

Analyte	Results	ppbv		Flag/Qual	ug/m3			Dilution	Date/Time	
		RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	ND	0.050	0.038		ND	0.34	0.26	1	2/6/23 18:33	SFM
Tetrahydrofuran	ND	0.50	0.082		ND	1.5	0.24	1	2/6/23 18:33	SFM
Toluene	0.12	0.050	0.029		0.44	0.19	0.11	1	2/6/23 18:33	SFM
1,2,4-Trichlorobenzene	ND	0.050	0.046		ND	0.37	0.34	1	2/6/23 18:33	SFM
1,1,1-Trichloroethane	ND	0.050	0.039		ND	0.27	0.21	1	2/6/23 18:33	SFM
1,1,2-Trichloroethane	ND	0.050	0.035		ND	0.27	0.19	1	2/6/23 18:33	SFM
Trichloroethylene	ND	0.050	0.034		ND	0.27	0.18	1	2/6/23 18:33	SFM
Trichlorofluoromethane (Freon 11)	0.096	0.20	0.059	J	0.54	1.1	0.33	1	2/6/23 18:33	SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.20	0.056		ND	1.5	0.43	1	2/6/23 18:33	SFM
1,2,4-Trimethylbenzene	0.025	0.050	0.022	J	0.12	0.25	0.11	1	2/6/23 18:33	SFM
1,3,5-Trimethylbenzene	ND	0.050	0.026		ND	0.25	0.13	1	2/6/23 18:33	SFM
Vinyl Acetate	ND	0.50	0.27		ND	1.8	0.95	1	2/6/23 18:33	SFM
Vinyl Chloride	ND	0.050	0.045		ND	0.13	0.12	1	2/6/23 18:33	SFM
m&p-Xylene	0.091	0.10	0.056	J	0.40	0.43	0.24	1	2/6/23 18:33	SFM
o-Xylene	0.034	0.050	0.026	J	0.15	0.22	0.11	1	2/6/23 18:33	SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	2/6/23 18:33

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-16-1.18.23
Sample ID: 23A2216-04
 Sample Matrix: Air
 Sampled: 1/18/2023 10:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P3077
 Canister Size: 1 liter
 Flow Controller ID: PF0210
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst	
	Results	RL	MDL		Results	RL	MDL		Analyzed			
Acetone	18	2.0	1.2	L-03, V-05, J	43	4.8	2.9	1	2/2/23	23:49	CMR	
Acrolein	0.29	1.0	0.25		0.66	2.3	0.57	1	2/2/23	23:49	CMR	
Benzene	0.41	0.050	0.038		1.3	0.16	0.12	1	2/2/23	23:49	CMR	
Benzyl chloride	ND	0.050	0.044		ND	0.26	0.23	1	2/2/23	23:49	CMR	
Bromodichloromethane	ND	0.050	0.035		ND	0.34	0.23	1	2/2/23	23:49	CMR	
Bromoform	ND	0.050	0.034	L-03	ND	0.52	0.35	1	2/2/23	23:49	CMR	
Bromomethane	ND	0.050	0.033		ND	0.19	0.13	1	2/2/23	23:49	CMR	
1,3-Butadiene	ND	0.050	0.042		ND	0.11	0.093	1	2/2/23	23:49	CMR	
2-Butanone (MEK)	1.6	2.0	0.53		J	4.6	5.9	1.6	1	2/2/23	23:49	CMR
Carbon Disulfide	0.20	0.50	0.046		J	0.64	1.6	0.14	1	2/2/23	23:49	CMR
Carbon Tetrachloride	ND	0.050	0.040	L-03, V-05	ND	0.31	0.25	1	2/2/23	23:49	CMR	
Chlorobenzene	ND	0.050	0.033		ND	0.23	0.15	1	2/2/23	23:49	CMR	
Chloroethane	ND	0.050	0.044		ND	0.13	0.12	1	2/2/23	23:49	CMR	
Chloroform	0.21	0.050	0.048		1.0	0.24	0.23	1	2/2/23	23:49	CMR	
Chloromethane	0.26	0.10	0.040		0.55	0.21	0.082	1	2/2/23	23:49	CMR	
Cyclohexane	0.68	0.050	0.030		2.3	0.17	0.10	1	2/2/23	23:49	CMR	
Dibromochloromethane	ND	0.050	0.033		ND	0.43	0.28	1	2/2/23	23:49	CMR	
1,2-Dibromoethane (EDB)	ND	0.050	0.030		ND	0.38	0.23	1	2/2/23	23:49	CMR	
1,2-Dichlorobenzene	ND	0.050	0.029		ND	0.30	0.17	1	2/2/23	23:49	CMR	
1,3-Dichlorobenzene	ND	0.050	0.028		ND	0.30	0.17	1	2/2/23	23:49	CMR	
1,4-Dichlorobenzene	ND	0.050	0.033		ND	0.30	0.20	1	2/2/23	23:49	CMR	
Dichlorodifluoromethane (Freon 12)	0.25	0.050	0.049		1.2	0.25	0.24	1	2/2/23	23:49	CMR	
1,1-Dichloroethane	ND	0.050	0.044		ND	0.20	0.18	1	2/2/23	23:49	CMR	
1,2-Dichloroethane	ND	0.050	0.045		ND	0.20	0.18	1	2/2/23	23:49	CMR	
1,1-Dichloroethylene	ND	0.050	0.038		ND	0.20	0.15	1	2/2/23	23:49	CMR	
cis-1,2-Dichloroethylene	ND	0.050	0.036		ND	0.20	0.14	1	2/2/23	23:49	CMR	
trans-1,2-Dichloroethylene	ND	0.050	0.039		ND	0.20	0.16	1	2/2/23	23:49	CMR	
1,2-Dichloropropane	ND	0.050	0.027		ND	0.23	0.13	1	2/2/23	23:49	CMR	
cis-1,3-Dichloropropene	ND	0.050	0.026		ND	0.23	0.12	1	2/2/23	23:49	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050	0.049		ND	0.35	0.34	1	2/2/23	23:49	CMR	
1,4-Dioxane	ND	0.50	0.042	ND	1.8	0.15	1	2/2/23	23:49	CMR		
Ethanol	3.8	2.0	0.88	L-03, V-05	7.2	3.8	1.7	1	2/2/23	23:49	CMR	
Ethyl Acetate	ND	0.50	0.25		ND	1.8	0.91	1	2/2/23	23:49	CMR	
Ethylbenzene	0.86	0.050	0.029		3.7	0.22	0.13	1	2/2/23	23:49	CMR	
4-Ethyltoluene	0.29	0.050	0.031		1.4	0.25	0.15	1	2/2/23	23:49	CMR	
Heptane	0.28	0.050	0.032		1.2	0.20	0.13	1	2/2/23	23:49	CMR	
Hexachlorobutadiene	ND	0.050	0.041	J	ND	0.53	0.44	1	2/2/23	23:49	CMR	
Hexane	0.56	2.0	0.26		2.0	7.0	0.92	1	2/2/23	23:49	CMR	
2-Hexanone (MBK)	0.14	0.050	0.025		0.58	0.20	0.10	1	2/2/23	23:49	CMR	
Isopropanol	3.1	2.0	0.34		L-03, V-05	7.5	4.9	0.85	1	2/2/23	23:49	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.050	0.039			ND	0.18	0.14	1	2/2/23	23:49	CMR
Methylene Chloride	ND	0.50	0.23	ND		1.7	0.81	1	2/2/23	23:49	CMR	
4-Methyl-2-pentanone (MIBK)	0.086	0.050	0.027		0.35	0.20	0.11	1	2/2/23	23:49	CMR	
Naphthalene	0.083	0.050	0.038		0.44	0.26	0.20	1	2/2/23	23:49	CMR	
Propene	ND	2.0	0.44		ND	3.4	0.76	1	2/2/23	23:49	CMR	
Styrene	0.083	0.050	0.026		0.35	0.21	0.11	1	2/2/23	23:49	CMR	
1,1,2,2-Tetrachloroethane	ND	0.050	0.027		ND	0.34	0.19	1	2/2/23	23:49	CMR	

ANALYTICAL RESULTS

Project Location: 473 President St
Date Received: 1/23/2023
Field Sample #: SV-16-1.18.23
Sample ID: 23A2216-04
Sample Matrix: Air
Sampled: 1/18/2023 10:05

Sample Description/Location:
Sub Description/Location:
Canister ID: P3077
Canister Size: 1 liter
Flow Controller ID: PF0210
Sample Type:

Work Order: 23A2216
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	Results	ppbv		Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
		RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	0.11	0.050	0.038		0.77	0.34	0.26	1	2/2/23 23:49		CMR
Tetrahydrofuran	ND	0.50	0.082		ND	1.5	0.24	1	2/2/23 23:49		CMR
Toluene	33	3.0	1.7		120	11	6.5	60	2/6/23 21:44		SFM
1,2,4-Trichlorobenzene	ND	0.050	0.046		ND	0.37	0.34	1	2/2/23 23:49		CMR
1,1,1-Trichloroethane	ND	0.050	0.039		ND	0.27	0.21	1	2/2/23 23:49		CMR
1,1,2-Trichloroethane	ND	0.050	0.035		ND	0.27	0.19	1	2/2/23 23:49		CMR
Trichloroethylene	ND	0.050	0.034		ND	0.27	0.18	1	2/2/23 23:49		CMR
Trichlorofluoromethane (Freon 11)	0.27	0.20	0.059		1.5	1.1	0.33	1	2/2/23 23:49		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.097	0.20	0.056	J	0.74	1.5	0.43	1	2/2/23 23:49		CMR
1,2,4-Trimethylbenzene	1.2	0.050	0.022		5.9	0.25	0.11	1	2/2/23 23:49		CMR
1,3,5-Trimethylbenzene	0.20	0.050	0.026		0.99	0.25	0.13	1	2/2/23 23:49		CMR
Vinyl Acetate	ND	0.50	0.27		ND	1.8	0.95	1	2/2/23 23:49		CMR
Vinyl Chloride	ND	0.050	0.045		ND	0.13	0.12	1	2/2/23 23:49		CMR
m&p-Xylene	3.7	0.10	0.056		16	0.43	0.24	1	2/2/23 23:49		CMR
o-Xylene	1.2	0.050	0.026		5.3	0.22	0.11	1	2/2/23 23:49		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	118	70-130	2/2/23 23:49
4-Bromofluorobenzene (1)	103	70-130	2/6/23 21:44

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-15-1.18.23
Sample ID: 23A2216-05
 Sample Matrix: Air
 Sampled: 1/18/2023 10:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2785
 Canister Size: 1 liter
 Flow Controller ID: PF0231
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	14	2.0	1.2		34	4.8	2.9	1	2/6/23 19:23		SFM
Acrolein	ND	1.0	0.25	L-03	ND	2.3	0.57	1	2/6/23 19:23		SFM
Benzene	0.39	0.050	0.038		1.2	0.16	0.12	1	2/6/23 19:23		SFM
Benzyl chloride	ND	0.050	0.044		ND	0.26	0.23	1	2/6/23 19:23		SFM
Bromodichloromethane	ND	0.050	0.035		ND	0.34	0.23	1	2/6/23 19:23		SFM
Bromoform	ND	0.050	0.034		ND	0.52	0.35	1	2/6/23 19:23		SFM
Bromomethane	ND	0.050	0.033		ND	0.19	0.13	1	2/6/23 19:23		SFM
1,3-Butadiene	ND	0.050	0.042		ND	0.11	0.093	1	2/6/23 19:23		SFM
2-Butanone (MEK)	ND	2.0	0.53		ND	5.9	1.6	1	2/6/23 19:23		SFM
Carbon Disulfide	0.22	0.50	0.046	J	0.69	1.6	0.14	1	2/6/23 19:23		SFM
Carbon Tetrachloride	ND	0.050	0.040		ND	0.31	0.25	1	2/6/23 19:23		SFM
Chlorobenzene	ND	0.050	0.033		ND	0.23	0.15	1	2/6/23 19:23		SFM
Chloroethane	ND	0.050	0.044		ND	0.13	0.12	1	2/6/23 19:23		SFM
Chloroform	0.068	0.050	0.048		0.33	0.24	0.23	1	2/6/23 19:23		SFM
Chloromethane	0.20	0.10	0.040	V-05	0.42	0.21	0.082	1	2/6/23 19:23		SFM
Cyclohexane	0.096	0.050	0.030		0.33	0.17	0.10	1	2/6/23 19:23		SFM
Dibromochloromethane	ND	0.050	0.033		ND	0.43	0.28	1	2/6/23 19:23		SFM
1,2-Dibromoethane (EDB)	ND	0.050	0.030		ND	0.38	0.23	1	2/6/23 19:23		SFM
1,2-Dichlorobenzene	ND	0.050	0.029		ND	0.30	0.17	1	2/6/23 19:23		SFM
1,3-Dichlorobenzene	ND	0.050	0.028		ND	0.30	0.17	1	2/6/23 19:23		SFM
1,4-Dichlorobenzene	ND	0.050	0.033		ND	0.30	0.20	1	2/6/23 19:23		SFM
Dichlorodifluoromethane (Freon 12)	0.19	0.050	0.049		0.96	0.25	0.24	1	2/6/23 19:23		SFM
1,1-Dichloroethane	ND	0.050	0.044		ND	0.20	0.18	1	2/6/23 19:23		SFM
1,2-Dichloroethane	ND	0.050	0.045		ND	0.20	0.18	1	2/6/23 19:23		SFM
1,1-Dichloroethylene	ND	0.050	0.038		ND	0.20	0.15	1	2/6/23 19:23		SFM
cis-1,2-Dichloroethylene	0.14	0.050	0.036		0.57	0.20	0.14	1	2/6/23 19:23		SFM
trans-1,2-Dichloroethylene	ND	0.050	0.039		ND	0.20	0.16	1	2/6/23 19:23		SFM
1,2-Dichloropropane	ND	0.050	0.027		ND	0.23	0.13	1	2/6/23 19:23		SFM
cis-1,3-Dichloropropene	ND	0.050	0.026		ND	0.23	0.12	1	2/6/23 19:23		SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050	0.049		ND	0.35	0.34	1	2/6/23 19:23		SFM
1,4-Dioxane	ND	0.50	0.042		ND	1.8	0.15	1	2/6/23 19:23		SFM
Ethanol	8.5	2.0	0.88	V-05	16	3.8	1.7	1	2/6/23 19:23		SFM
Ethyl Acetate	ND	0.50	0.25		ND	1.8	0.91	1	2/6/23 19:23		SFM
Ethylbenzene	0.18	0.050	0.029		0.80	0.22	0.13	1	2/6/23 19:23		SFM
4-Ethyltoluene	0.042	0.050	0.031	J	0.21	0.25	0.15	1	2/6/23 19:23		SFM
Heptane	0.20	0.050	0.032		0.82	0.20	0.13	1	2/6/23 19:23		SFM
Hexachlorobutadiene	ND	0.050	0.041		ND	0.53	0.44	1	2/6/23 19:23		SFM
Hexane	0.89	2.0	0.26	J	3.1	7.0	0.92	1	2/6/23 19:23		SFM
2-Hexanone (MBK)	ND	0.050	0.025		ND	0.20	0.10	1	2/6/23 19:23		SFM
Isopropanol	5.2	2.0	0.34		13	4.9	0.85	1	2/6/23 19:23		SFM
Methyl tert-Butyl Ether (MTBE)	ND	0.050	0.039		ND	0.18	0.14	1	2/6/23 19:23		SFM
Methylene Chloride	0.74	0.50	0.23		2.6	1.7	0.81	1	2/6/23 19:23		SFM
4-Methyl-2-pentanone (MIBK)	ND	0.050	0.027	V-05	ND	0.20	0.11	1	2/6/23 19:23		SFM
Naphthalene	ND	0.050	0.038		ND	0.26	0.20	1	2/6/23 19:23		SFM
Propene	ND	2.0	0.44		ND	3.4	0.76	1	2/6/23 19:23		SFM
Styrene	ND	0.050	0.026		ND	0.21	0.11	1	2/6/23 19:23		SFM
1,1,2,2-Tetrachloroethane	ND	0.050	0.027		ND	0.34	0.19	1	2/6/23 19:23		SFM

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-15-1.18.23
Sample ID: 23A2216-05
 Sample Matrix: Air
 Sampled: 1/18/2023 10:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P2785
 Canister Size: 1 liter
 Flow Controller ID: PF0231
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	ND	0.050	0.038		ND	0.34	0.26	1	2/6/23 19:23		SFM
Tetrahydrofuran	ND	0.50	0.082		ND	1.5	0.24	1	2/6/23 19:23		SFM
Toluene	2.4	0.050	0.029		9.0	0.19	0.11	1	2/6/23 19:23		SFM
1,2,4-Trichlorobenzene	ND	0.050	0.046		ND	0.37	0.34	1	2/6/23 19:23		SFM
1,1,1-Trichloroethane	ND	0.050	0.039		ND	0.27	0.21	1	2/6/23 19:23		SFM
1,1,2-Trichloroethane	ND	0.050	0.035		ND	0.27	0.19	1	2/6/23 19:23		SFM
Trichloroethylene	0.10	0.050	0.034		0.56	0.27	0.18	1	2/6/23 19:23		SFM
Trichlorofluoromethane (Freon 11)	0.17	0.20	0.059	J	0.96	1.1	0.33	1	2/6/23 19:23		SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.20	0.056		ND	1.5	0.43	1	2/6/23 19:23		SFM
1,2,4-Trimethylbenzene	0.16	0.050	0.022		0.81	0.25	0.11	1	2/6/23 19:23		SFM
1,3,5-Trimethylbenzene	0.034	0.050	0.026	J	0.17	0.25	0.13	1	2/6/23 19:23		SFM
Vinyl Acetate	ND	0.50	0.27		ND	1.8	0.95	1	2/6/23 19:23		SFM
Vinyl Chloride	ND	0.050	0.045		ND	0.13	0.12	1	2/6/23 19:23		SFM
m&p-Xylene	0.75	0.10	0.056		3.2	0.43	0.24	1	2/6/23 19:23		SFM
o-Xylene	0.24	0.050	0.026		1.1	0.22	0.11	1	2/6/23 19:23		SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	2/6/23 19:23

ANALYTICAL RESULTS

Project Location: 473 President St
 Date Received: 1/23/2023
Field Sample #: SV-17-1.18.23
Sample ID: 23A2216-06
 Sample Matrix: Air
 Sampled: 1/18/2023 10:08

Sample Description/Location:
 Sub Description/Location:
 Canister ID: P3137
 Canister Size: 1 liter
 Flow Controller ID: PF1090
 Sample Type:

Work Order: 23A2216
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg):
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	18	2.0	1.2		44	4.8	2.9	1	2/6/23 20:14		SFM
Acrolein	ND	1.0	0.25	L-03	ND	2.3	0.57	1	2/6/23 20:14		SFM
Benzene	1.1	0.050	0.038		3.6	0.16	0.12	1	2/6/23 20:14		SFM
Benzyl chloride	ND	0.050	0.044		ND	0.26	0.23	1	2/6/23 20:14		SFM
Bromodichloromethane	ND	0.050	0.035		ND	0.34	0.23	1	2/6/23 20:14		SFM
Bromoform	ND	0.050	0.034		ND	0.52	0.35	1	2/6/23 20:14		SFM
Bromomethane	ND	0.050	0.033		ND	0.19	0.13	1	2/6/23 20:14		SFM
1,3-Butadiene	ND	0.050	0.042		ND	0.11	0.093	1	2/6/23 20:14		SFM
2-Butanone (MEK)	ND	2.0	0.53		ND	5.9	1.6	1	2/6/23 20:14		SFM
Carbon Disulfide	0.13	0.50	0.046	J	0.39	1.6	0.14	1	2/6/23 20:14		SFM
Carbon Tetrachloride	ND	0.050	0.040		ND	0.31	0.25	1	2/6/23 20:14		SFM
Chlorobenzene	0.068	0.050	0.033		0.31	0.23	0.15	1	2/6/23 20:14		SFM
Chloroethane	0.051	0.050	0.044		0.13	0.13	0.12	1	2/6/23 20:14		SFM
Chloroform	0.071	0.050	0.048		0.35	0.24	0.23	1	2/6/23 20:14		SFM
Chloromethane	ND	0.10	0.040	V-05	ND	0.21	0.082	1	2/6/23 20:14		SFM
Cyclohexane	1.9	0.050	0.030		6.5	0.17	0.10	1	2/6/23 20:14		SFM
Dibromochloromethane	ND	0.050	0.033		ND	0.43	0.28	1	2/6/23 20:14		SFM
1,2-Dibromoethane (EDB)	ND	0.050	0.030		ND	0.38	0.23	1	2/6/23 20:14		SFM
1,2-Dichlorobenzene	ND	0.050	0.029		ND	0.30	0.17	1	2/6/23 20:14		SFM
1,3-Dichlorobenzene	ND	0.050	0.028		ND	0.30	0.17	1	2/6/23 20:14		SFM
1,4-Dichlorobenzene	ND	0.050	0.033		ND	0.30	0.20	1	2/6/23 20:14		SFM
Dichlorodifluoromethane (Freon 12)	0.13	0.050	0.049		0.62	0.25	0.24	1	2/6/23 20:14		SFM
1,1-Dichloroethane	0.047	0.050	0.044	J	0.19	0.20	0.18	1	2/6/23 20:14		SFM
1,2-Dichloroethane	0.13	0.050	0.045		0.53	0.20	0.18	1	2/6/23 20:14		SFM
1,1-Dichloroethylene	ND	0.050	0.038		ND	0.20	0.15	1	2/6/23 20:14		SFM
cis-1,2-Dichloroethylene	ND	0.050	0.036		ND	0.20	0.14	1	2/6/23 20:14		SFM
trans-1,2-Dichloroethylene	ND	0.050	0.039		ND	0.20	0.16	1	2/6/23 20:14		SFM
1,2-Dichloropropane	ND	0.050	0.027		ND	0.23	0.13	1	2/6/23 20:14		SFM
cis-1,3-Dichloropropene	ND	0.050	0.026		ND	0.23	0.12	1	2/6/23 20:14		SFM
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.050	0.049		ND	0.35	0.34	1	2/6/23 20:14		SFM
1,4-Dioxane	ND	0.50	0.042		ND	1.8	0.15	1	2/6/23 20:14		SFM
Ethanol	2.0	2.0	0.88	V-05, J	3.7	3.8	1.7	1	2/6/23 20:14		SFM
Ethyl Acetate	ND	0.50	0.25		ND	1.8	0.91	1	2/6/23 20:14		SFM
Ethylbenzene	0.31	0.050	0.029		1.3	0.22	0.13	1	2/6/23 20:14		SFM
4-Ethyltoluene	0.075	0.050	0.031		0.37	0.25	0.15	1	2/6/23 20:14		SFM
Heptane	6.2	0.050	0.032		25	0.20	0.13	1	2/6/23 20:14		SFM
Hexachlorobutadiene	ND	0.050	0.041		ND	0.53	0.44	1	2/6/23 20:14		SFM
Hexane	18	2.0	0.26		65	7.0	0.92	1	2/6/23 20:14		SFM
2-Hexanone (MBK)	ND	0.050	0.025		ND	0.20	0.10	1	2/6/23 20:14		SFM
Isopropanol	1.4	2.0	0.34	J	3.4	4.9	0.85	1	2/6/23 20:14		SFM
Methyl tert-Butyl Ether (MTBE)	ND	0.050	0.039		ND	0.18	0.14	1	2/6/23 20:14		SFM
Methylene Chloride	ND	0.50	0.23		ND	1.7	0.81	1	2/6/23 20:14		SFM
4-Methyl-2-pentanone (MIBK)	ND	0.050	0.027	V-05	ND	0.20	0.11	1	2/6/23 20:14		SFM
Naphthalene	ND	0.050	0.038		ND	0.26	0.20	1	2/6/23 20:14		SFM
Propene	1.5	2.0	0.44	J	2.6	3.4	0.76	1	2/6/23 20:14		SFM
Styrene	0.047	0.050	0.026	J	0.20	0.21	0.11	1	2/6/23 20:14		SFM
1,1,2,2-Tetrachloroethane	ND	0.050	0.027		ND	0.34	0.19	1	2/6/23 20:14		SFM

ANALYTICAL RESULTS

Project Location: 473 President St
Date Received: 1/23/2023
Field Sample #: SV-17-1.18.23
Sample ID: 23A2216-06
Sample Matrix: Air
Sampled: 1/18/2023 10:08

Sample Description/Location:
Sub Description/Location:
Canister ID: P3137
Canister Size: 1 liter
Flow Controller ID: PF1090
Sample Type:

Work Order: 23A2216
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg):
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	0.076	0.050	0.038		0.52	0.34	0.26	1	2/6/23 20:14		SFM
Tetrahydrofuran	ND	0.50	0.082		ND	1.5	0.24	1	2/6/23 20:14		SFM
Toluene	2.2	0.050	0.029		8.3	0.19	0.11	1	2/6/23 20:14		SFM
1,2,4-Trichlorobenzene	ND	0.050	0.046		ND	0.37	0.34	1	2/6/23 20:14		SFM
1,1,1-Trichloroethane	0.041	0.050	0.039	J	0.22	0.27	0.21	1	2/6/23 20:14		SFM
1,1,2-Trichloroethane	ND	0.050	0.035		ND	0.27	0.19	1	2/6/23 20:14		SFM
Trichloroethylene	ND	0.050	0.034		ND	0.27	0.18	1	2/6/23 20:14		SFM
Trichlorofluoromethane (Freon 11)	0.13	0.20	0.059	J	0.73	1.1	0.33	1	2/6/23 20:14		SFM
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.061	0.20	0.056	J	0.47	1.5	0.43	1	2/6/23 20:14		SFM
1,2,4-Trimethylbenzene	0.25	0.050	0.022		1.2	0.25	0.11	1	2/6/23 20:14		SFM
1,3,5-Trimethylbenzene	0.059	0.050	0.026		0.29	0.25	0.13	1	2/6/23 20:14		SFM
Vinyl Acetate	ND	0.50	0.27		ND	1.8	0.95	1	2/6/23 20:14		SFM
Vinyl Chloride	ND	0.050	0.045		ND	0.13	0.12	1	2/6/23 20:14		SFM
m&p-Xylene	1.2	0.10	0.056		5.0	0.43	0.24	1	2/6/23 20:14		SFM
o-Xylene	0.37	0.050	0.026		1.6	0.22	0.11	1	2/6/23 20:14		SFM

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	2/6/23 20:14

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23A2216-01 [SV-18-1.18.23]	B330682	1.5	1	N/A	1000	400	10	02/02/23
23A2216-02 [DUP-1.18.23]	B330682	1.5	1	N/A	1000	400	10	02/02/23
23A2216-02RE1 [DUP-1.18.23]	B330682	1.5	200	5	1000	400	200	02/02/23
23A2216-04 [SV-16-1.18.23]	B330682	1.5	1	N/A	1000	400	600	02/02/23

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23A2216-03 [OA-1.18.23]	B330948	1.5	1	N/A	1000	400	600	02/06/23
23A2216-04RE1 [SV-16-1.18.23]	B330948	1.5	1	N/A	1000	400	10	02/06/23
23A2216-05 [SV-15-1.18.23]	B330948	1.5	1	N/A	1000	400	600	02/06/23
23A2216-06 [SV-17-1.18.23]	B330948	1.5	1	N/A	1000	400	600	02/06/23

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B330682 - TO-15 Prep
Blank (B330682-BLK1)

Prepared & Analyzed: 02/02/23

Acetone	ND	1.4								
Acrolein	ND	0.70								L-03, V-05
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								L-03
2-Butanone (MEK)	ND	1.4								
Carbon Disulfide	ND	0.35								
Carbon Tetrachloride	ND	0.035								
Chlorobenzene	ND	0.035								
Chloroethane	ND	0.035								L-03, V-05
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								
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035								
1,4-Dioxane	ND	0.35								
Ethanol	ND	1.4								L-03, V-05
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								L-03, V-05
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								

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B330682 - TO-15 Prep
Blank (B330682-BLK1)

Prepared & Analyzed: 02/02/23

1,1,2,2-Tetrachloroethane	ND	0.035
Tetrachloroethylene	ND	0.035
Tetrahydrofuran	ND	0.35
Toluene	ND	0.035
1,2,4-Trichlorobenzene	ND	0.035
1,1,1-Trichloroethane	ND	0.035
1,1,2-Trichloroethane	ND	0.035
Trichloroethylene	ND	0.035
Trichlorofluoromethane (Freon 11)	ND	0.14
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14
1,2,4-Trimethylbenzene	ND	0.035
1,3,5-Trimethylbenzene	ND	0.035
Vinyl Acetate	ND	0.35
Vinyl Chloride	ND	0.035
m&p-Xylene	ND	0.070
o-Xylene	ND	0.035

Surrogate: 4-Bromofluorobenzene (1) 8.78 8.00 110 70-130

LCS (B330682-BS1)

Prepared & Analyzed: 02/02/23

Acetone	4.04	5.00	80.8	70-130	
Acrolein	2.57	5.00	51.4 *	70-130	L-03, V-05
Benzene	4.50	5.00	90.0	70-130	
Benzyl chloride	4.80	5.00	95.9	70-130	
Bromodichloromethane	4.46	5.00	89.3	70-130	
Bromoform	5.03	5.00	101	70-130	
Bromomethane	3.87	5.00	77.5	70-130	
1,3-Butadiene	3.47	5.00	69.5 *	70-130	L-03
2-Butanone (MEK)	4.60	5.00	92.1	70-130	
Carbon Disulfide	4.93	5.00	98.7	70-130	
Carbon Tetrachloride	4.92	5.00	98.4	70-130	
Chlorobenzene	4.36	5.00	87.2	70-130	
Chloroethane	3.42	5.00	68.5 *	70-130	L-03, V-05
Chloroform	4.91	5.00	98.2	70-130	
Chloromethane	3.81	5.00	76.2	70-130	
Cyclohexane	4.45	5.00	89.0	70-130	
Dibromochloromethane	4.86	5.00	97.1	70-130	
1,2-Dibromoethane (EDB)	4.38	5.00	87.6	70-130	
1,2-Dichlorobenzene	4.60	5.00	92.1	70-130	
1,3-Dichlorobenzene	4.90	5.00	97.9	70-130	
1,4-Dichlorobenzene	4.82	5.00	96.5	70-130	
Dichlorodifluoromethane (Freon 12)	4.88	5.00	97.7	70-130	
1,1-Dichloroethane	4.92	5.00	98.3	70-130	
1,2-Dichloroethane	4.89	5.00	97.9	70-130	
1,1-Dichloroethylene	4.79	5.00	95.8	70-130	
cis-1,2-Dichloroethylene	4.57	5.00	91.4	70-130	
trans-1,2-Dichloroethylene	4.66	5.00	93.1	70-130	

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B330682 - TO-15 Prep											
LCS (B330682-BS1)					Prepared & Analyzed: 02/02/23						
1,2-Dichloropropane	4.50				5.00		90.0	70-130			
cis-1,3-Dichloropropene	4.28				5.00		85.5	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.08				5.00		81.6	70-130			
1,4-Dioxane	4.41				5.00		88.2	70-130			
Ethanol	3.31				5.00		66.3	* 70-130			L-03, V-05
Ethyl Acetate	4.98				5.00		99.5	70-130			
Ethylbenzene	4.44				5.00		88.7	70-130			
4-Ethyltoluene	4.63				5.00		92.6	70-130			
Heptane	4.47				5.00		89.3	70-130			
Hexachlorobutadiene	4.66				5.00		93.2	70-130			
Hexane	5.02				5.00		100	70-130			
2-Hexanone (MBK)	4.30				5.00		86.1	70-130			
Isopropanol	3.42				5.00		68.4	* 70-130			L-03, V-05
Methyl tert-Butyl Ether (MTBE)	4.63				5.00		92.5	70-130			
Methylene Chloride	4.13				5.00		82.6	70-130			
4-Methyl-2-pentanone (MIBK)	4.30				5.00		85.9	70-130			
Naphthalene	4.44				5.00		88.8	70-130			
Propene	4.15				5.00		83.0	70-130			
Styrene	4.45				5.00		89.0	70-130			
1,1,2,2-Tetrachloroethane	4.33				5.00		86.5	70-130			
Tetrachloroethylene	4.74				5.00		94.7	70-130			
Tetrahydrofuran	4.81				5.00		96.3	70-130			
Toluene	4.38				5.00		87.7	70-130			
1,2,4-Trichlorobenzene	4.15				5.00		83.0	70-130			
1,1,1-Trichloroethane	4.46				5.00		89.1	70-130			
1,1,2-Trichloroethane	4.50				5.00		90.0	70-130			
Trichloroethylene	4.52				5.00		90.4	70-130			
Trichlorofluoromethane (Freon 11)	4.73				5.00		94.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.81				5.00		96.3	70-130			
1,2,4-Trimethylbenzene	4.55				5.00		91.0	70-130			
1,3,5-Trimethylbenzene	4.63				5.00		92.7	70-130			
Vinyl Acetate	3.92				5.00		78.4	70-130			
Vinyl Chloride	3.97				5.00		79.5	70-130			
m&p-Xylene	9.29				10.0		92.9	70-130			
o-Xylene	4.63				5.00		92.5	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.94				8.00		112	70-130			

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B330948 - TO-15 Prep											
Blank (B330948-BLK1)					Prepared & Analyzed: 02/06/23						
Acetone	ND	1.4									
Acrolein	ND	0.70									L-03
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									V-05
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									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									V-05
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									V-05
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B330948 - TO-15 Prep
Blank (B330948-BLK1)

Prepared & Analyzed: 02/06/23

1,1,2,2-Tetrachloroethane	ND	0.035
Tetrachloroethylene	ND	0.035
Tetrahydrofuran	ND	0.35
Toluene	ND	0.035
1,2,4-Trichlorobenzene	ND	0.035
1,1,1-Trichloroethane	ND	0.035
1,1,2-Trichloroethane	ND	0.035
Trichloroethylene	ND	0.035
Trichlorofluoromethane (Freon 11)	ND	0.14
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14
1,2,4-Trimethylbenzene	ND	0.035
1,3,5-Trimethylbenzene	ND	0.035
Vinyl Acetate	ND	0.35
Vinyl Chloride	ND	0.035
m&p-Xylene	ND	0.070
o-Xylene	ND	0.035

Surrogate: 4-Bromofluorobenzene (1) 9.86 8.00 123 70-130

LCS (B330948-BS1)

Prepared & Analyzed: 02/06/23

Acetone	4.99	5.00	99.9	70-130	L-03
Acrolein	3.39	5.00	67.8 *	70-130	
Benzene	4.29	5.00	85.8	70-130	
Benzyl chloride	4.84	5.00	96.9	70-130	
Bromodichloromethane	4.40	5.00	88.0	70-130	V-05
Bromoform	5.80	5.00	116	70-130	
Bromomethane	4.98	5.00	99.5	70-130	
1,3-Butadiene	3.73	5.00	74.7	70-130	
2-Butanone (MEK)	4.68	5.00	93.7	70-130	
Carbon Disulfide	5.50	5.00	110	70-130	
Carbon Tetrachloride	5.27	5.00	105	70-130	
Chlorobenzene	4.70	5.00	94.0	70-130	
Chloroethane	4.38	5.00	87.6	70-130	
Chloroform	5.94	5.00	119	70-130	
Chloromethane	3.66	5.00	73.2	70-130	
Cyclohexane	4.35	5.00	86.9	70-130	
Dibromochloromethane	5.24	5.00	105	70-130	
1,2-Dibromoethane (EDB)	4.50	5.00	90.0	70-130	
1,2-Dichlorobenzene	5.09	5.00	102	70-130	
1,3-Dichlorobenzene	5.48	5.00	110	70-130	
1,4-Dichlorobenzene	5.37	5.00	107	70-130	
Dichlorodifluoromethane (Freon 12)	5.77	5.00	115	70-130	
1,1-Dichloroethane	5.48	5.00	110	70-130	
1,2-Dichloroethane	6.11	5.00	122	70-130	
1,1-Dichloroethylene	5.42	5.00	108	70-130	
cis-1,2-Dichloroethylene	5.30	5.00	106	70-130	
trans-1,2-Dichloroethylene	5.22	5.00	104	70-130	

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B330948 - TO-15 Prep											
LCS (B330948-BS1)					Prepared & Analyzed: 02/06/23						
1,2-Dichloropropane	3.97				5.00		79.5	70-130			
cis-1,3-Dichloropropene	4.10				5.00		81.9	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.84				5.00		96.8	70-130			
1,4-Dioxane	4.22				5.00		84.4	70-130			
Ethanol	4.32				5.00		86.5	70-130			V-05
Ethyl Acetate	5.29				5.00		106	70-130			
Ethylbenzene	4.58				5.00		91.6	70-130			
4-Ethyltoluene	4.93				5.00		98.6	70-130			
Heptane	3.95				5.00		78.9	70-130			
Hexachlorobutadiene	5.46				5.00		109	70-130			
Hexane	5.60				5.00		112	70-130			
2-Hexanone (MBK)	3.71				5.00		74.1	70-130			
Isopropanol	3.70				5.00		74.1	70-130			
Methyl tert-Butyl Ether (MTBE)	5.56				5.00		111	70-130			
Methylene Chloride	4.27				5.00		85.4	70-130			
4-Methyl-2-pentanone (MIBK)	3.68				5.00		73.6	70-130			V-05
Naphthalene	4.68				5.00		93.6	70-130			
Propene	4.03				5.00		80.7	70-130			
Styrene	4.72				5.00		94.4	70-130			
1,1,2,2-Tetrachloroethane	4.18				5.00		83.5	70-130			
Tetrachloroethylene	5.39				5.00		108	70-130			
Tetrahydrofuran	5.49				5.00		110	70-130			
Toluene	4.49				5.00		89.7	70-130			
1,2,4-Trichlorobenzene	4.68				5.00		93.6	70-130			
1,1,1-Trichloroethane	4.61				5.00		92.2	70-130			
1,1,2-Trichloroethane	4.53				5.00		90.6	70-130			
Trichloroethylene	4.56				5.00		91.2	70-130			
Trichlorofluoromethane (Freon 11)	6.35				5.00		127	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.97				5.00		119	70-130			
1,2,4-Trimethylbenzene	4.93				5.00		98.5	70-130			
1,3,5-Trimethylbenzene	5.06				5.00		101	70-130			
Vinyl Acetate	4.04				5.00		80.9	70-130			
Vinyl Chloride	4.23				5.00		84.6	70-130			
m&p-Xylene	9.73				10.0		97.3	70-130			
o-Xylene	4.83				5.00		96.7	70-130			
Surrogate: 4-Bromofluorobenzene (1)	9.98				8.00		125	70-130			

Note: Blank Subtraction is not performed unless otherwise noted

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
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.

ANALYST

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CMR	Catherine M. Rouleau
BRF	Brittany R. Fisk

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 (S076501-ICV1)			Lab File ID: G22A256016.D			Analyzed: 09/13/22 22:00			
Bromochloromethane (1)	1141026	8.307	1141026	8.307	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2751702	10.081	2751702	10.081	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2471195	14.446	2471195	14.446	100	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 (S082839-CCV1)			Lab File ID: G23A033004.D			Analyzed: 02/02/23 14:00			
Bromochloromethane (1)	1028787	8.301	1028787	8.301	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2673848	10.075	2673848	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2409540	14.44	2409540	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B330682-BS1)			Lab File ID: G23A033005.D			Analyzed: 02/02/23 14:40			
Bromochloromethane (1)	980872	8.301	1028787	8.301	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2486823	10.075	2673848	10.075	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2231634	14.44	2409540	14.44	93	60 - 140	0.0000	+/-0.50	
Blank (B330682-BLK1)			Lab File ID: G23A033008.D			Analyzed: 02/02/23 16:48			
Bromochloromethane (1)	712959	8.307	1028787	8.301	69	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2058991	10.075	2673848	10.075	77	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2088366	14.44	2409540	14.44	87	60 - 140	0.0000	+/-0.50	
SV-16-1.18.23 (23A2216-04)			Lab File ID: G23A033017.D			Analyzed: 02/02/23 23:49			
Bromochloromethane (1)	650615	8.301	1028787	8.301	63	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1978068	10.075	2673848	10.075	74	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1871662	14.44	2409540	14.44	78	60 - 140	0.0000	+/-0.50	
SV-18-1.18.23 (23A2216-01)			Lab File ID: G23A033024.D			Analyzed: 02/03/23 05:26			
Bromochloromethane (1)	760958	8.301	1028787	8.301	74	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2104689	10.075	2673848	10.075	79	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1955412	14.44	2409540	14.44	81	60 - 140	0.0000	+/-0.50	
DUP-1.18.23 (23A2216-02)			Lab File ID: G23A033026.D			Analyzed: 02/03/23 07:15			
Bromochloromethane (1)	680334	8.301	1028787	8.301	66	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1950814	10.075	2673848	10.075	73	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1832326	14.44	2409540	14.44	76	60 - 140	0.0000	+/-0.50	
DUP-1.18.23 (23A2216-02RE1)			Lab File ID: G23A033027.D			Analyzed: 02/03/23 08:09			
Bromochloromethane (1)	661231	8.301	1028787	8.301	64	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1902571	10.075	2673848	10.075	71	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1777619	14.44	2409540	14.44	74	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

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 (S082984-CCV1)									
Lab File ID: G23A037004.D					Analyzed: 02/06/23 12:50				
Bromochloromethane (1)	911255	8.3	911255	8.3	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2950743	10.075	2950743	10.075	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2618917	14.44	2618917	14.44	100	60 - 140	0.0000	+/-0.50	
LCS (B330948-BS1)									
Lab File ID: G23A037005.D					Analyzed: 02/06/23 13:30				
Bromochloromethane (1)	885263	8.301	911255	8.3	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	2784756	10.075	2950743	10.075	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2477733	14.44	2618917	14.44	95	60 - 140	0.0000	+/-0.50	
Blank (B330948-BLK1)									
Lab File ID: G23A037010.D					Analyzed: 02/06/23 16:57				
Bromochloromethane (1)	797166	8.307	911255	8.3	87	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	2459628	10.075	2950743	10.075	83	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2227632	14.44	2618917	14.44	85	60 - 140	0.0000	+/-0.50	
OA-1.18.23 (23A2216-03)									
Lab File ID: G23A037012.D					Analyzed: 02/06/23 18:33				
Bromochloromethane (1)	788751	8.307	911255	8.3	87	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	2399325	10.075	2950743	10.075	81	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1968185	14.44	2618917	14.44	75	60 - 140	0.0000	+/-0.50	
SV-15-1.18.23 (23A2216-05)									
Lab File ID: G23A037013.D					Analyzed: 02/06/23 19:23				
Bromochloromethane (1)	825753	8.301	911255	8.3	91	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	2558185	10.075	2950743	10.075	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2158018	14.44	2618917	14.44	82	60 - 140	0.0000	+/-0.50	
SV-17-1.18.23 (23A2216-06)									
Lab File ID: G23A037014.D					Analyzed: 02/06/23 20:14				
Bromochloromethane (1)	839096	8.301	911255	8.3	92	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	2626853	10.075	2950743	10.075	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2033271	14.44	2618917	14.44	78	60 - 140	0.0000	+/-0.50	
SV-16-1.18.23 (23A2216-04RE1)									
Lab File ID: G23A037016.D					Analyzed: 02/06/23 21:44				
Bromochloromethane (1)	764193	8.307	911255	8.3	84	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	2326374	10.075	2950743	10.075	79	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1760990	14.44	2618917	14.44	67	60 - 140	0.0000	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S082839-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.92	1.084004	0.8492362		-21.7	30
Acrolein	A	5.00	3.07	0.2764168	0.1695853		-38.6	30 *
Benzene	A	5.00	4.54	0.9129288	0.8285324		-9.2	30
Benzyl chloride	A	5.00	4.97	1.030942	1.024603		-0.6	30
Bromodichloromethane	A	5.00	4.57	0.6953811	0.63609		-8.5	30
Bromoform	A	5.00	5.17	0.5656468	0.5849402		3.4	30
Bromomethane	A	5.00	3.58	0.6009459	0.4308282		-28.3	30
1,3-Butadiene	A	5.00	3.54	0.5443004	0.3857483		-29.1	30
2-Butanone (MEK)	A	5.00	4.54	1.507683	1.369954		-9.1	30
Carbon Disulfide	A	5.00	4.97	2.02748	2.015587		-0.6	30
Carbon Tetrachloride	A	5.00	5.10	0.5479998	0.5591438		2.0	30
Chlorobenzene	A	5.00	4.56	0.8809329	0.804186		-8.7	30
Chloroethane	A	5.00	3.17	0.3452967	0.2191427		-36.5	30 *
Chloroform	A	5.00	5.01	1.561184	1.563897		0.2	30
Chloromethane	A	5.00	3.94	0.6821899	0.5368513		-21.3	30
Cyclohexane	A	5.00	4.52	0.3600845	0.3257879		-9.5	30
Dibromochloromethane	A	5.00	4.98	0.6396581	0.6377523		-0.3	30
1,2-Dibromoethane (EDB)	A	5.00	4.50	0.6171207	0.5550291		-10.1	30
1,2-Dichlorobenzene	A	5.00	4.80	0.6937094	0.6660086		-4.0	30
1,3-Dichlorobenzene	A	5.00	5.20	0.7409581	0.770474		4.0	30
1,4-Dichlorobenzene	A	5.00	5.12	0.7218155	0.7384872		2.3	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.03	1.62808	1.637067		0.6	30
1,1-Dichloroethane	A	5.00	4.97	1.342742	1.333861		-0.7	30
1,2-Dichloroethane	A	5.00	5.01	0.9627523	0.964922		0.2	30
1,1-Dichloroethylene	A	5.00	4.81	1.140142	1.097574		-3.7	30
cis-1,2-Dichloroethylene	A	5.00	4.67	0.9670963	0.9034453		-6.6	30
trans-1,2-Dichloroethylene	A	5.00	4.75	1.001825	0.9524413		-4.9	30
1,2-Dichloropropane	A	5.00	4.46	0.3567989	0.3185779		-10.7	30
cis-1,3-Dichloropropene	A	5.00	4.46	0.5092852	0.4537305		-10.9	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.57	1.73998	1.591732		-8.5	30
1,4-Dioxane	A	5.00	4.34	0.1857641	0.1613148		-13.2	30
Ethanol	A	5.00	2.72	0.2343264	0.127266		-45.7	30 *
Ethyl Acetate	A	5.00	5.33	0.2308163	0.2460373		6.6	30
Ethylbenzene	A	5.00	4.61	1.455024	1.341969		-7.8	30
4-Ethyltoluene	A	5.00	4.84	1.413771	1.368039		-3.2	30
Heptane	A	5.00	4.51	0.2850308	0.2571353		-9.8	30
Hexachlorobutadiene	A	5.00	5.13	0.4677459	0.4799675		2.6	30
Hexane	A	5.00	5.11	0.8985394	0.8620264		2.2	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S082839-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.32	0.7712864	0.6664396		-13.6	30
Isopropanol	A	5.00	3.27	1.338902	0.8761728		-34.6	30 *
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.81	1.834723	1.766481		-3.7	30
Methylene Chloride	A	5.00	4.17	0.9597215	0.8007628		-16.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.34	0.7726854	0.6705015		-13.2	30
Naphthalene	A	5.00	4.34	1.092246	0.9491425		-13.1	30
Propene	A	5.00	4.33	0.5941328	0.5144388		-13.4	30
Styrene	A	5.00	4.64	0.7890752	0.7325587		-7.2	30
1,1,2,2-Tetrachloroethane	A	5.00	4.42	0.9851261	0.8712408		-11.6	30
Tetrachloroethylene	A	5.00	4.90	0.457194	0.4485072		-1.9	30
Tetrahydrofuran	A	5.00	4.75	0.2957092	0.2811622		-4.9	30
Toluene	A	5.00	4.47	1.15399	1.032407		-10.5	30
1,2,4-Trichlorobenzene	A	5.00	4.25	0.4973623	0.4224933		-15.1	30
1,1,1-Trichloroethane	A	5.00	4.70	0.5975698	0.5621998		-5.9	30
1,1,2-Trichloroethane	A	5.00	4.51	0.4162703	0.3754742		-9.8	30
Trichloroethylene	A	5.00	4.58	0.3947958	0.3618031		-8.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.61	1.463327	1.349151		-7.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.96	1.432547	1.421044		-0.8	30
1,2,4-Trimethylbenzene	A	5.00	4.87	1.156019	1.125114		-2.7	30
1,3,5-Trimethylbenzene	A	5.00	4.93	1.190388	1.173279		-1.4	30
Vinyl Acetate	A	5.00	3.96	1.986739	1.574853		-20.7	30
Vinyl Chloride	A	5.00	4.18	0.7142115	0.5976545		-16.3	30
m&p-Xylene	A	10.0	9.66	1.129066	1.091003		-3.4	30
o-Xylene	A	5.00	4.80	1.138955	1.092677		-4.1	30

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA TO-15

S082984-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.74	1.084004	1.028247		-5.1	30
Acrolein	A	5.00	3.72	0.2764168	0.2058278		-25.5	30
Benzene	A	5.00	3.98	0.9129288	0.7266715		-20.4	30
Benzyl chloride	A	5.00	4.58	1.030942	0.9451046		-8.3	30
Bromodichloromethane	A	5.00	4.15	0.6953811	0.5774036		-17.0	30
Bromoform	A	5.00	5.46	0.5656468	0.6173373		9.1	30
Bromomethane	A	5.00	4.77	0.6009459	0.5734649		-4.6	30
1,3-Butadiene	A	5.00	3.64	0.5443004	0.3960727		-27.2	30
2-Butanone (MEK)	A	5.00	4.37	1.507683	1.316765		-12.7	30
Carbon Disulfide	A	5.00	5.14	2.02748	2.085918		2.9	30
Carbon Tetrachloride	A	5.00	4.99	0.5479998	0.5470703		-0.2	30
Chlorobenzene	A	5.00	4.52	0.8809329	0.7961318		-9.6	30
Chloroethane	A	5.00	4.06	0.3452967	0.2804747		-18.8	30
Chloroform	A	5.00	5.64	1.561184	1.761409		12.8	30
Chloromethane	A	5.00	3.47	0.6821899	0.4733937		-30.6	30 *
Cyclohexane	A	5.00	4.06	0.3600845	0.292626		-18.7	30
Dibromochloromethane	A	5.00	5.00	0.6396581	0.6401944		0.08	30
1,2-Dibromoethane (EDB)	A	5.00	4.33	0.6171207	0.5345202		-13.4	30
1,2-Dichlorobenzene	A	5.00	4.88	0.6937094	0.6764445		-2.5	30
1,3-Dichlorobenzene	A	5.00	5.39	0.7409581	0.7981858		7.7	30
1,4-Dichlorobenzene	A	5.00	5.28	0.7218155	0.762287		5.6	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.16	1.62808	1.680908		3.2	30
1,1-Dichloroethane	A	5.00	5.11	1.342742	1.372909		2.2	30
1,2-Dichloroethane	A	5.00	5.78	0.9627523	1.112458		15.5	30
1,1-Dichloroethylene	A	5.00	5.07	1.140142	1.15547		1.3	30
cis-1,2-Dichloroethylene	A	5.00	4.99	0.9670963	0.9644844		-0.3	30
trans-1,2-Dichloroethylene	A	5.00	4.98	1.001825	0.9982558		-0.4	30
1,2-Dichloropropane	A	5.00	3.65	0.3567989	0.2606725		-26.9	30
cis-1,3-Dichloropropene	A	5.00	3.87	0.5092852	0.3945366		-22.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.82	1.73998	1.679147		-3.5	30
1,4-Dioxane	A	5.00	3.80	0.1857641	0.1411663		-24.0	30
Ethanol	A	5.00	3.36	0.2343264	0.15739		-32.8	30 *
Ethyl Acetate	A	5.00	5.24	0.2308163	0.2418555		4.8	30
Ethylbenzene	A	5.00	4.36	1.455024	1.268961		-12.8	30
4-Ethyltoluene	A	5.00	4.76	1.413771	1.344757		-4.9	30
Heptane	A	5.00	3.78	0.2850308	0.2151762		-24.5	30
Hexachlorobutadiene	A	5.00	5.81	0.4677459	0.543559		16.2	30
Hexane	A	5.00	5.24	0.8985394	0.8843277		4.8	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S082984-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	3.53	0.7712864	0.5445017		-29.4	30
Isopropanol	A	5.00	3.94	1.338902	1.055079		-21.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.27	1.834723	1.933801		5.4	30
Methylene Chloride	A	5.00	4.02	0.9597215	0.7722537		-19.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	3.41	0.7726854	0.5263499		-31.9	30 *
Naphthalene	A	5.00	4.16	1.092246	0.9083969		-16.8	30
Propene	A	5.00	3.92	0.5941328	0.4662809		-21.5	30
Styrene	A	5.00	4.49	0.7890752	0.7089587		-10.2	30
1,1,2,2-Tetrachloroethane	A	5.00	3.96	0.9851261	0.7799346		-20.8	30
Tetrachloroethylene	A	5.00	5.23	0.457194	0.4785697		4.7	30
Tetrahydrofuran	A	5.00	4.93	0.2957092	0.2917453		-1.3	30
Toluene	A	5.00	4.24	1.15399	0.9797076		-15.1	30
1,2,4-Trichlorobenzene	A	5.00	4.44	0.4973623	0.4420991		-11.1	30
1,1,1-Trichloroethane	A	5.00	4.52	0.5975698	0.5408476		-9.5	30
1,1,2-Trichloroethane	A	5.00	4.22	0.4162703	0.3511338		-15.6	30
Trichloroethylene	A	5.00	4.28	0.3947958	0.3380236		-14.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.13	1.463327	1.794438		22.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.69	1.432547	1.630077		13.8	30
1,2,4-Trimethylbenzene	A	5.00	4.80	1.156019	1.109001		-4.1	30
1,3,5-Trimethylbenzene	A	5.00	4.95	1.190388	1.177489		-1.1	30
Vinyl Acetate	A	5.00	3.73	1.986739	1.480429		-25.5	30
Vinyl Chloride	A	5.00	4.01	0.7142115	0.5727099		-19.8	30
m&p-Xylene	A	10.0	9.31	1.129066	1.051512		-6.9	30
o-Xylene	A	5.00	4.60	1.138955	1.048174		-8.0	30

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

* Values outside of QC limits

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA,NY,ME,NH
Acrolein	AIHA,NJ,NY,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
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA

CERTIFICATIONS
Certified Analyses included in this Report

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

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

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

Canister Batch 28120**Leak Check** 10/31/2022 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE0093	30	30	Pass
2	PACE0127	30	30	Pass
3	PACE0720	30	30	Pass
4	PACE1602	30	30	Pass
5	PACE2040	30	30	Pass
6	PACE2184	30	30	Pass
7	PACE2316	30	30	Pass
8	PACE2681	30	30	Pass
9	PACE4022	30	30	Pass
10	PACE4025	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 11/1/2022 3:34:33 PM

End

Can ID for Certification	PACE4022
Data File	10AIRB/30804
Certification Level	Low Level (0.1 - 0.2 ppbv)

Canister Batch 28122**Leak Check** 10/31/2022 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE0956	30	30	Pass
2	PACE2028	30	30	Pass
3	PACE2065	30	30	Pass
4	PACE2089	30	30	Pass
5	PACE2124	30	30	Pass
6	PACE2164	30	30	Pass
7	PACE2807	30	30	Pass
8	PACE3204	30	30	Pass
9	PACE3435	30	30	Pass
10	PACE3556	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 11/1/2022 3:36:12 PM

End

Can ID for Certification	PACE2124
Data File	10AIRH/308-05
Certification Level	Low Level (0.1 - 0.2 ppbv)

Canister Batch 28513**Leak Check** 12/26/2022 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE1375	30	30	Pass
2	PACE1398	30	30	Pass
3	PACE1796	30	30	Pass
4	PACE2253	30	30	Pass
5	PACE2287	30	30	Pass
6	PACE2547	30	30	Pass
7	PACE3072	30	30	Pass
8	PACE3077	30	30	Pass
9	PACE3810	30	30	Pass
10	PACE4032	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 12/27/2022 10:56:31 AM

End 12/28/2022 11:50:00 AM

Can ID for Certification	PACE2547
Data File	10AIRI/362-8
Certification Level	Other

Canister Batch 28568**Leak Check** 1/4/2023 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE0887	30	30	Pass
2	PACE2876	30	30	Pass
3	PACE2975	30	30	Pass
4	PACE3021	30	30	Pass
5	PACE3044	30	30	Pass
6	PACE3116	30	30	Pass
7	PACE3120	30	30	Pass
8	PACE3137	30	30	Pass
9	PACE3141	30	30	Pass
10	PACE4096	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 1/5/2023 3:21:08 PM

End 1/7/2023 10:37:00 AM

Can ID for Certification	PACE3120
Data File	10AIRJ/6-16
Certification Level	Low Level (0.1 - 0.2 ppbv)

Canister Batch 28586**Leak Check** 1/6/2023 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE0573	30	30	Pass
2	PACE0693	30	30	Pass
3	PACE0839	30	30	Pass
4	PACE1069	30	30	Pass
5	PACE1554	30	30	Pass
6	PACE1605	30	30	Pass
7	PACE1706	30	30	Pass
8	PACE2109	30	30	Pass
9	PACE3590	30	30	Pass
10	PACE3642	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 1/7/2023 2:11:00 PM

End 1/8/2023 10:33:00 AM

Can ID for Certification	PACE2109
Data File	10AIRJ/8-14
Certification Level	Low Level (0.1 - 0.2 ppbv)

Canister Batch 28599**Leak Check** 1/9/2023 2:00:00 PM

	Can ID	Initial Pressure	Final Pressure	Pass/Fail
1	PACE0901	30	30	Pass
2	PACE2450	30	30	Pass
3	PACE2496	30	30	Pass
4	PACE2503	30	30	Pass
5	PACE2785	30	30	Pass
6	PACE2878	30	30	Pass
7	PACE3071	30	30	Pass
8	PACE3243	30	30	Pass
9	PACE3250	30	30	Pass
10	PACE4037	30	30	Pass
Acceptance Criteria +/- 2 psi change over a 24 hour period				

Can Cleaning Information

Start 1/10/2023 2:39:44 PM

End

Can ID for Certification	PACE4037
Data File	10AIRK/001105
Certification Level	Low Level (0.1 - 0.2 ppbv)

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

[illegible]



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: HRP Associates, Inc.		Report To: SAME		Attention:	
Address: 1 Fairchild Square, Suite 110 Clifton Park, NY		Copy To:		Company Name:	
Email To: patrick.montuori@hrpassociates.com		Purchase Order No.:		Address:	
Phone:		Project Name: 473 Resident St. Ofc		Pace Quote Reference:	
Requested Due Date/TAT:		Project Number: DEC1035.PZ		Pace Project Manager/Sales Rep.	
Valid Media Codes MEDIA CODE Tedar Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other		COLLECTED		Flow Control Number	
*Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE		COMPOSITE START DATE TIME		Summa Can Number	
1 433-9-B-SS		1/19 1009 1/20 810		3435 021 05	
2 433-9-B-IA		1/19 1010 1/20 810		3423 020 94	
3 433-9-F1-IA1		1/19 1020 1/20 813		2028 003 13	
4 433-9-F1-IA2		1/19 1021 1/20 825		1605 021 49	
5 477-24-B-IA		1/19 1129 1/20 1011		1288 021 69	
6 477-24-F1-IA		1/19 1132 1/20 1060		0581 021 39	
7 477-24-B-SS		1/19 1150 1/20 1019		2813 012 59	
8 477-24-B-SS-Dup		1/19 1150 1/20 1013		0352 012 59	
9 447-B-B-SS		1/19 1258 1/20 1003		3058 029 17	
10 447-13-B-IA		1/19 1258 1/20 1100		3673 012 59	
11 447-13-F1-IA		1/19 1300 1/20 1038		3044 011 66	
12 OA-4-01-19-23		1/19 1026 1/20 825		1706 020 10	
Comments:		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION	
Please provide CATB Report		1/20/23 1/20/23 1/20/23		1/20/23 1/20/23 1/20/23	
* Hold sample		1/23/23 1/23/23 1/23/23		1/23/23 1/23/23 1/23/23	
Run: 447-13-B-SS		1/20/23 1/20/23 1/20/23		1/20/23 1/20/23 1/20/23	
447-13-B-IA		1/20/23 1/20/23 1/20/23		1/20/23 1/20/23 1/20/23	
447-13-F1-IA		1/20/23 1/20/23 1/20/23		1/20/23 1/20/23 1/20/23	
SAMPLER NAME AND SIGNATURE		DATE		DATE	
PRINT Name of SAMPLER		1/20/23		1/20/23	
SIGNATURE of SAMPLER		1/20/23		1/20/23	
Temp in °C		Received on		Sealed Cooler	
Y/N		Y/N		Y/N	
Samples Intact		Y/N		Y/N	

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

[illegible]

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



Doc# 278 Rev 7 July 2022

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 NRP

Received By CR Date 1/23 Time 1610

How Were the samples received? In Cooler On Ice No Ice

In Box T Ambient Melted Ice

Were samples within Temperature Compliance? Within By Gun # Actual Temp -

2-6°C By Blank # Actual Temp -

Was Custody Seal In tact? 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 Were samples received within holding time? T

Did COC Include all Pertinent Client? T Analysis? T Sampler Name? T

Information? Project? T ID's? T Collection Dates/Times? T

Are Sample Labels filled out and legible?

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	31	1L/6L			Nut/Ferrule		IC Train
Tedlar Bags					Tubing		
TO-17 Tubes					T-Connector		Shipping Charges
Radiello					Syringe		
Pufs/TO-11s					Tedlar		

Can #'s	34149	3423	1706	2316	Reg #'s				
2876	1618	2027	2019						
3116	0521	1665	0262						
2450	0127	1288	0685						
3077	1607	0581	0309						
2785	12413	2813	1248						
3137	34135	0352	3587						
Unused Media					Pufs/TO-17's				
2658									
2377									
1768									

Comments:

Samples 147-13-B5
147-13-B-IA
147-13-B1-IA not received

ATTACHMENT D

Data Usability Summary Reports (DUSRs)

DATA USABILITY SUMMARY REPORT
473 PRESIDENT STREET, BROOKLYN, NEW YORK

Client: HRP Associates, In., Clifton Park, New York
SDG: 22J3301
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: 473 President Street, Brooklyn, New York
Date: February 17, 2023

EDS ID	Client ID	Laboratory ID	Matrix
1	SV-1_10.20.22	22J3301-01	Air
2	SV-2_10.20.22	22J3301-02	Air
3	SV-3_10.20.22	22J3301-03	Air
4	SV-4_10.20.22	22J3301-04	Air
5	SV-5_10.20.22	22J3301-05	Air
6	SV-6_10.20.22	22J3301-06	Air
7	SV-7_10.20.22	22J3301-07	Air
8	SV-8_10.20.22	22J3301-08	Air
9*	SV-9_10.20.22	22J3301-09	Air
10	SV-10_10.20.22	22J3301-10	Air
11	SV-11_10.20.22	22J3301-11	Air
12	SV-12_10.20.22	22J3301-12	Air
13	SV-13_10.20.22	22J3301-13	Air
14	SV-14_10.20.22	22J3301-14	Air
15	OA-1_10.20.22	22J3301-15	Air

* - Sample SV-9_10.20.22 was not analyzed.

A Data Usability Summary Review was performed on the analytical data for fourteen air samples collected on October 20, 2022 by HRP at the 473 President Street site in Brooklyn, New York. The samples were analyzed under "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)".

Specific method references are as follows:

Analysis
VOCs

Method References
USEPA Method TO-15

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- GC/MS Tuning
- Method Blank Contamination
- Initial and Continuing Calibration Summaries
- Surrogate Recoveries
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Cover letter, Narrative, and Data Reporting Forms

- All criteria were met.

Canister Certification Blanks

- The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences

- All criteria were met.

Chains-of-Custody and Traffic Reports

- All criteria were met.

Holding Times

- All samples were analyzed within 30 days for air samples.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B321777-BS1	Freon-114	68.1%	UJ	1-7, 10, 11, 14
	Ethanol	53.2%	J	
	Hexachlorobutadiene	65.7%	UJ	
	Isopropanol	58.3%	J	
	1,2,4-Trichlorobenzene	68.3%	UJ	
B321905-BS1	Ethanol	62.0%	J	8, 12, 13, 15
	Hexachlorobutadiene	64.1%	UJ	
	Isopropanol	64.5%	UJ	
	Naphthalene	68.8%	UJ	
	1,2,4-Trichlorobenzene	57.2%	UJ	

GC/MS Tuning

- All criteria were met.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- All %RSD and mean RRF criteria were met.

Continuing Calibration

- All %D and RRF criteria were met.

Surrogate Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver

Nancy Weaver
Senior Chemist

Dated: 2/19/23

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-1_10.20.22
 Sample ID: 22J3301-01
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:44

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1137
 Canister Size: 6 liter
 Flow Controller ID: 4436
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.0
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	15	8.0	4.8		36	19	11	4	11/1/22 2:12		CMR
Benzene	0.27	0.20	0.15		0.87	0.64	0.48	4	11/1/22 2:12		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 2:12		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 2:12		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 2:12		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 2:12		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 2:12		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 2:12		CMR
Carbon Disulfide	0.43	2.0	0.18	J	1.3	6.2	0.58	4	11/1/22 2:12		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 2:12		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 2:12		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 2:12		CMR
Chloroform	2.6	0.20	0.19		13	0.98	0.93	4	11/1/22 2:12		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 2:12		CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 2:12		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 2:12		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 2:12		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 2:12		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 2:12		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 2:12		CMR
Dichlorodifluoromethane (Freon 12)	0.73	0.20	0.20		3.6	0.99	0.97	4	11/1/22 2:12		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 2:12		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 2:12		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 2:12		CMR
cis-1,2-Dichloroethylene	0.60	0.20	0.15		2.4	0.79	0.58	4	11/1/22 2:12		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 2:12		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 2:12		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 2:12		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 2:12		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND <i>uJ</i>	0.20	0.20	<i>503</i>	ND <i>uJ</i>	1.4	1.4	4	11/1/22 2:12		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 2:12		CMR
Ethanol	5.5 <i>J</i>	8.0	3.5	<i>103 J</i>	10 <i>J</i>	15	6.6	4	11/1/22 2:12		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 2:12		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 2:12		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 2:12		CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/1/22 2:12		CMR
Hexachlorobutadiene	ND <i>uJ</i>	0.20	0.16	<i>103</i>	ND <i>uJ</i>	2.1	1.8	4	11/1/22 2:12		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 2:12		CMR
2-Hexanone (MBK)	0.11	0.20	0.10	<i>J</i>	0.44	0.82	0.41	4	11/1/22 2:12		CMR
Isopropanol	40 <i>J</i>	8.0	1.4	<i>103</i>	100 <i>J</i>	20	3.4	4	11/1/22 2:12		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 2:12		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 2:12		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 2:12		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 2:12		CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 2:12		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 2:12		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 2:12		CMR

see 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-1_10.20.22
 Sample ID: 22J3301-01
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:44

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1137
 Canister Size: 6 liter
 Flow Controller ID: 4436
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.0
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time	
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Tetrachloroethylene	100	0.20	0.15		700	1.4	1.0	4	11/1/22 2:12	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 2:12	CMR
Toluene	0.58	0.20	0.11		2.2	0.75	0.43	4	11/1/22 2:12	CMR
1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.20	0.19	~~LOS~~	ND <i>uJ</i>	1.5	1.4	4	11/1/22 2:12	CMR
1,1,1-Trichloroethane	0.17	0.20	0.16	J	0.94	1.1	0.86	4	11/1/22 2:12	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 2:12	CMR
Trichloroethylene	11	0.20	0.13		60	1.1	0.72	4	11/1/22 2:12	CMR
Trichlorofluoromethane (Freon 11)	1.0	0.80	0.24		5.7	4.5	1.3	4	11/1/22 2:12	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 2:12	CMR
1,2,4-Trimethylbenzene	0.28	0.20	0.088		1.4	0.98	0.43	4	11/1/22 2:12	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 2:12	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 2:12	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 2:12	CMR
m&p-Xylene	0.29	0.40	0.22	J	1.3	1.7	0.97	4	11/1/22 2:12	CMR
o-Xylene	0.12	0.20	0.10	J	0.50	0.87	0.44	4	11/1/22 2:12	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.2	70-130	11/1/22 2:12

no 217123

2

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-2_10.20.22
 Sample ID: 22J3301-02
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4428
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	14	8.0	4.8		32	19	11	+	10/31/22 22:08		CMR
Benzene	ND	0.20	0.15		ND	0.64	0.48	+	10/31/22 22:08		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	+	10/31/22 22:08		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	+	10/31/22 22:08		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	+	10/31/22 22:08		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	+	10/31/22 22:08		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	+	10/31/22 22:08		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	+	10/31/22 22:08		CMR
Carbon Disulfide	0.44	2.0	0.18	J	1.4	6.2	0.58	+	10/31/22 22:08		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	+	10/31/22 22:08		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	+	10/31/22 22:08		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	+	10/31/22 22:08		CMR
Chloroform	1.0	0.20	0.19		5.0	0.98	0.93	+	10/31/22 22:08		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	+	10/31/22 22:08		CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	+	10/31/22 22:08		CMR
1,1-Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	+	10/31/22 22:08		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	+	10/31/22 22:08		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	+	10/31/22 22:08		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	+	10/31/22 22:08		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	+	10/31/22 22:08		CMR
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20		1.9	0.99	0.97	+	10/31/22 22:08		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	+	10/31/22 22:08		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	+	10/31/22 22:08		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	+	10/31/22 22:08		CMR
cis-1,2-Dichloroethylene	0.16	0.20	0.15	J	0.62	0.79	0.58	+	10/31/22 22:08		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	+	10/31/22 22:08		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	+	10/31/22 22:08		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	+	10/31/22 22:08		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	+	10/31/22 22:08		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND uJ	0.20	0.20	L-03	ND uJ	1.4	1.4	+	10/31/22 22:08		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	+	10/31/22 22:08		CMR
Ethanol	5.6 J	8.0	3.5	L-03-J	11 J	15	6.6	+	10/31/22 22:08		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	+	10/31/22 22:08		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	+	10/31/22 22:08		CMR
4-Ethyltoluene	0.19	0.20	0.12	J	0.92	0.98	0.60	+	10/31/22 22:08		CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	+	10/31/22 22:08		CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03	ND uJ	2.1	1.8	+	10/31/22 22:08		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	+	10/31/22 22:08		CMR
2-Hexanone (MBK)	0.17	0.20	0.10	J	0.69	0.82	0.41	+	10/31/22 22:08		CMR
Isopropanol	34 J	8.0	1.4	L-03	84 J	20	3.4	+	10/31/22 22:08		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	+	10/31/22 22:08		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	+	10/31/22 22:08		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	+	10/31/22 22:08		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	+	10/31/22 22:08		CMR
Propene	ND	8.0	1.8		ND	14	3.0	+	10/31/22 22:08		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	+	10/31/22 22:08		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	+	10/31/22 22:08		CMR

nw 217123

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-2_10.20.22
 Sample ID: 22J3301-02
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4428
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time	
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Tetrachloroethylene	4.1	0.20	0.15		28	1.4	1.0	4	10/31/22 22:08	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	10/31/22 22:08	CMR
Toluene	0.57	0.20	0.11		2.1	0.75	0.43	4	10/31/22 22:08	CMR
1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.20	0.19	<i>LOS</i>	ND <i>uJ</i>	1.5	1.4	4	10/31/22 22:08	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22 22:08	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/31/22 22:08	CMR
Trichloroethylene	0.15	0.20	0.13	J	0.82	1.1	0.72	4	10/31/22 22:08	CMR
Trichlorofluoromethane (Freon 11)	1.7	0.80	0.24		9.6	4.5	1.3	4	10/31/22 22:08	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22 22:08	CMR
1,2,4-Trimethylbenzene	0.40	0.20	0.088		2.0	0.98	0.43	4	10/31/22 22:08	CMR
1,3,5-Trimethylbenzene	0.11	0.20	0.11	J	0.55	0.98	0.52	4	10/31/22 22:08	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22 22:08	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22 22:08	CMR
m&p-Xylene	0.39	0.40	0.22	J	1.7	1.7	0.97	4	10/31/22 22:08	CMR
o-Xylene	0.21	0.20	0.10		0.92	0.87	0.44	4	10/31/22 22:08	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.6	70-130	10/31/22 22:08

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-3_10.20.22
 Sample ID: 22J3301-03
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:22

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2027
 Canister Size: 6 liter
 Flow Controller ID: 4434
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10.5
 Receipt Vacuum(in Hg): -9.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time		Analyst
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed		
Acetone	11	8.0	4.8		25	19	11	4	10/31/22 22:48	CMR	
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	10/31/22 22:48	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/31/22 22:48	CMR	
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	10/31/22 22:48	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/31/22 22:48	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/31/22 22:48	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/31/22 22:48	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/31/22 22:48	CMR	
Carbon Disulfide	0.40	2.0	0.18	J	1.2	6.2	0.58	4	10/31/22 22:48	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/31/22 22:48	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/31/22 22:48	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/31/22 22:48	CMR	
Chloroform	7.4	0.20	0.19		36	0.98	0.93	4	10/31/22 22:48	CMR	
Chloromethane	0.18	0.40	0.16	J	0.37	0.83	0.33	4	10/31/22 22:48	CMR	
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/31/22 22:48	CMR	
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	10/31/22 22:48	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/31/22 22:48	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/31/22 22:48	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/31/22 22:48	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/31/22 22:48	CMR	
Dichlorodifluoromethane (Freon 12)	0.42	0.20	0.20		2.1	0.99	0.97	4	10/31/22 22:48	CMR	
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/31/22 22:48	CMR	
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/31/22 22:48	CMR	
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/31/22 22:48	CMR	
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	10/31/22 22:48	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/31/22 22:48	CMR	
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/31/22 22:48	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/31/22 22:48	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/31/22 22:48	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND UJ	0.20	0.20	L-03	ND UJ	1.4	1.4	4	10/31/22 22:48	CMR	
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/31/22 22:48	CMR	
Ethanol	5.7 J	8.0	3.5	L-03, J	11 J	15	6.6	4	10/31/22 22:48	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/31/22 22:48	CMR	
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	10/31/22 22:48	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	10/31/22 22:48	CMR	
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	10/31/22 22:48	CMR	
Hexachlorobutadiene	ND UJ	0.20	0.16	L-03	ND UJ	2.1	1.8	4	10/31/22 22:48	CMR	
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/31/22 22:48	CMR	
2-Hexanone (MBK)	0.13	0.20	0.10	J	0.52	0.82	0.41	4	10/31/22 22:48	CMR	
Isopropanol	28 J	8.0	1.4	L-03	69 J	20	3.4	4	10/31/22 22:48	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/31/22 22:48	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/31/22 22:48	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	10/31/22 22:48	CMR	
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/31/22 22:48	CMR	
Propene	ND	8.0	1.8		ND	14	3.0	4	10/31/22 22:48	CMR	
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/31/22 22:48	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/31/22 22:48	CMR	

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-3_10.20.22
 Sample ID: 22J3301-03
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:22

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2027
 Canister Size: 6 liter
 Flow Controller ID: 4434
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10.5
 Receipt Vacuum(in Hg): -9.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Tetrachloroethylene	1.5	0.20	0.15		10	1.4	1.0	4	10/31/22 22:48		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	10/31/22 22:48		CMR
Toluene	0.57	0.20	0.11		2.1	0.75	0.43	4	10/31/22 22:48		CMR
1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.20	0.19	~~LOD~~	ND <i>uJ</i>	1.5	1.4	4	10/31/22 22:48		CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22 22:48		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/31/22 22:48		CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	10/31/22 22:48		CMR
Trichlorofluoromethane (Freon 11)	3.4	0.80	0.24		19	4.5	1.3	4	10/31/22 22:48		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22 22:48		CMR
1,2,4-Trimethylbenzene	0.28	0.20	0.088		1.4	0.98	0.43	4	10/31/22 22:48		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	10/31/22 22:48		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22 22:48		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22 22:48		CMR
m&p-Xylene	0.30	0.40	0.22	J	1.3	1.7	0.97	4	10/31/22 22:48		CMR
o-Xylene	0.13	0.20	0.10	J	0.56	0.87	0.44	4	10/31/22 22:48		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.6	70-130	10/31/22 22:48

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-4_10.20.22
 Sample ID: 22J3301-04
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2022
 Canister Size: 6 liter
 Flow Controller ID: 4427
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time		Analyst
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed		
Acetone	39	8.0	4.8		94	19	11	4	10/31/22 23:29	CMR	
Benzene	0.33	0.20	0.15		1.0	0.64	0.48	4	10/31/22 23:29	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	10/31/22 23:29	CMR	
Bromodichloromethane	0.20	0.20	0.14	J	1.3	1.3	0.94	4	10/31/22 23:29	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	10/31/22 23:29	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	10/31/22 23:29	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	10/31/22 23:29	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	10/31/22 23:29	CMR	
Carbon Disulfide	1.3	2.0	0.18	J	4.2	6.2	0.58	4	10/31/22 23:29	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	10/31/22 23:29	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	10/31/22 23:29	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	10/31/22 23:29	CMR	
Chloroform	9.6	0.20	0.19		47	0.98	0.93	4	10/31/22 23:29	CMR	
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	10/31/22 23:29	CMR	
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	10/31/22 23:29	CMR	
Dibromochloromethane	0.27	0.20	0.13		2.3	1.7	1.1	4	10/31/22 23:29	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	10/31/22 23:29	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	10/31/22 23:29	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	10/31/22 23:29	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	10/31/22 23:29	CMR	
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20		2.0	0.99	0.97	4	10/31/22 23:29	CMR	
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	10/31/22 23:29	CMR	
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	10/31/22 23:29	CMR	
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	10/31/22 23:29	CMR	
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	10/31/22 23:29	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	10/31/22 23:29	CMR	
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	10/31/22 23:29	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	10/31/22 23:29	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	10/31/22 23:29	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND UJ	0.20	0.20	L-03	ND UJ	1.4	1.4	4	10/31/22 23:29	CMR	
1,4 Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	10/31/22 23:29	CMR	
Ethanol	5.2 J	8.0	3.5	L-03	9.9 J	15	6.6	4	10/31/22 23:29	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	10/31/22 23:29	CMR	
Ethylbenzene	0.13	0.20	0.12	J	0.57	0.87	0.51	4	10/31/22 23:29	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	10/31/22 23:29	CMR	
Heptane	0.16	0.20	0.13	J	0.64	0.82	0.52	4	10/31/22 23:29	CMR	
Hexachlorobutadiene	ND UJ	0.20	0.16	L-03	ND UJ	2.1	1.8	4	10/31/22 23:29	CMR	
Hexane	ND	8.0	1.0		ND	28	3.7	4	10/31/22 23:29	CMR	
2-Hexanone (MBK)	0.16	0.20	0.10	J	0.67	0.82	0.41	4	10/31/22 23:29	CMR	
Isopropanol	28 J	8.0	1.4	L-03	70 J	20	3.4	4	10/31/22 23:29	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	10/31/22 23:29	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	10/31/22 23:29	CMR	
4-Methyl-2-pentanone (MIBK)	0.14	0.20	0.11	J	0.57	0.82	0.44	4	10/31/22 23:29	CMR	
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	10/31/22 23:29	CMR	
Propene	2.4	8.0	1.8	J	4.2	14	3.0	4	10/31/22 23:29	CMR	
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	10/31/22 23:29	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	10/31/22 23:29	CMR	

NW 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-4_10.20.22
 Sample ID: 22J3301-04
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2022
 Canister Size: 6 liter
 Flow Controller ID: 4427
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	2.2	0.20	0.15		15	1.4	1.0	4	10/31/22 23:29		CMR
Tetrahydrofuran	0.78	2.0	0.33	J	2.3	5.9	0.97	4	10/31/22 23:29		CMR
Toluene	0.74	0.20	0.11		2.8	0.75	0.43	4	10/31/22 23:29		CMR
1,2,4-Trichlorobenzene	ND uJ	0.20	0.19	E-03	ND uJ	1.5	1.4	4	10/31/22 23:29		CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	10/31/22 23:29		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	10/31/22 23:29		CMR
Trichloroethylene	0.53	0.20	0.13		2.9	1.1	0.72	4	10/31/22 23:29		CMR
Trichlorofluoromethane (Freon 11)	2.0	0.80	0.24		11	4.5	1.3	4	10/31/22 23:29		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	10/31/22 23:29		CMR
1,2,4-Trimethylbenzene	0.30	0.20	0.088		1.5	0.98	0.43	4	10/31/22 23:29		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	10/31/22 23:29		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	10/31/22 23:29		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	10/31/22 23:29		CMR
m&p-Xylene	0.51	0.40	0.22		2.2	1.7	0.97	4	10/31/22 23:29		CMR
o-Xylene	0.25	0.20	0.10		1.1	0.87	0.44	4	10/31/22 23:29		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	10/31/22 23:29

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-5_10.20.22
Sample ID: 22J3301-05
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 11:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2207
 Canister Size: 6 liter
 Flow Controller ID: 4419
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time	
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	ND	800	480		ND	1900	1100	400	11/1/22 9:31	CMR
Benzene	32	20	15		100	64	48	400	11/1/22 9:31	CMR
Benzyl chloride	ND	20	18		ND	100	91	400	11/1/22 9:31	CMR
Bromodichloromethane	ND	20	14		ND	130	94	400	11/1/22 9:31	CMR
Bromoform	ND	20	14		ND	210	140	400	11/1/22 9:31	CMR
Bromomethane	ND	20	13		ND	78	52	400	11/1/22 9:31	CMR
1,3-Butadiene	ND	20	17		ND	44	37	400	11/1/22 9:31	CMR
2-Butanone (MEK)	ND	800	210		ND	2400	630	400	11/1/22 9:31	CMR
Carbon Disulfide	ND	200	18		ND	620	58	400	11/1/22 9:31	CMR
Carbon Tetrachloride	ND	20	16		ND	130	100	400	11/1/22 9:31	CMR
Chlorobenzene	ND	20	13		ND	92	61	400	11/1/22 9:31	CMR
Chloroethane	ND	20	18		ND	53	47	400	11/1/22 9:31	CMR
Chloroform	220	20	19		1100	98	93	400	11/1/22 9:31	CMR
Chloromethane	ND	40	16		ND	83	33	400	11/1/22 9:31	CMR
Cyclohexane	160	20	12		560	69	42	400	11/1/22 9:31	CMR
Dibromochloromethane	ND	20	13		ND	170	110	400	11/1/22 9:31	CMR
1,2-Dibromoethane (EDB)	ND	20	12		ND	150	93	400	11/1/22 9:31	CMR
1,2-Dichlorobenzene	ND	20	11		ND	120	69	400	11/1/22 9:31	CMR
1,3-Dichlorobenzene	ND	20	11		ND	120	67	400	11/1/22 9:31	CMR
1,4-Dichlorobenzene	ND	20	13		ND	120	79	400	11/1/22 9:31	CMR
Dichlorodifluoromethane (Freon 12)	ND	20	20		ND	99	97	400	11/1/22 9:31	CMR
1,1-Dichloroethane	ND	20	17		ND	81	71	400	11/1/22 9:31	CMR
1,2-Dichloroethane	ND	20	18		ND	81	73	400	11/1/22 9:31	CMR
1,1-Dichloroethylene	88	20	15		350	79	60	400	11/1/22 9:31	CMR
cis-1,2-Dichloroethylene	3400	20	15		13000	79	58	400	11/1/22 9:31	CMR
trans-1,2-Dichloroethylene	ND	20	16		ND	79	62	400	11/1/22 9:31	CMR
1,2-Dichloropropane	ND	20	11		ND	92	50	400	11/1/22 9:31	CMR
cis-1,3-Dichloropropene	ND	20	10		ND	91	47	400	11/1/22 9:31	CMR
trans-1,3-Dichloropropene	ND	20	10		ND	91	46	400	11/1/22 9:31	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND uJ	20	20	L-03	ND uJ	140	140	400	11/1/22 9:31	CMR
1,4-Dioxane	ND	200	17		ND	720	60	400	11/1/22 9:31	CMR
Ethanol	380 J	800	350	L-03-J	710 J	1500	660	400	11/1/22 9:31	CMR
Ethyl Acetate	ND	200	100		ND	720	360	400	11/1/22 9:31	CMR
Ethylbenzene	ND	20	12		ND	87	51	400	11/1/22 9:31	CMR
4-Ethyltoluene	ND	20	12		ND	98	60	400	11/1/22 9:31	CMR
Heptane	ND	20	13		ND	82	52	400	11/1/22 9:31	CMR
Hexachlorobutadiene	ND uJ	20	16	L-03	ND uJ	210	180	400	11/1/22 9:31	CMR
Hexane	ND	800	100		ND	2800	370	400	11/1/22 9:31	CMR
2-Hexanone (MBK)	ND	20	10		ND	82	41	400	11/1/22 9:31	CMR
Isopropanol	ND uJ	800	140	L-03	ND uJ	2000	340	400	11/1/22 9:31	CMR
Methyl tert-Butyl Ether (MTBE)	ND	20	15		ND	72	56	400	11/1/22 9:31	CMR
Methylene Chloride	ND	200	93		ND	690	320	400	11/1/22 9:31	CMR
4-Methyl-2-pentanone (MIBK)	ND	20	11		ND	82	44	400	11/1/22 9:31	CMR
Naphthalene	ND	20	15		ND	100	79	400	11/1/22 9:31	CMR
Propene	ND	800	180		ND	1400	300	400	11/1/22 9:31	CMR
Styrene	ND	20	11		ND	85	45	400	11/1/22 9:31	CMR
1,1,2,2-Tetrachloroethane	ND	20	11		ND	140	74	400	11/1/22 9:31	CMR

NW 21, 71, 23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-5_10.20.22
 Sample ID: 22J3301-05
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 11:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2207
 Canister Size: 6 liter
 Flow Controller ID: 4419
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3			Date/Time		Analyst
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	
Tetrachloroethylene	67	20	15		460	140	100	400	11/1/22 9:31	CMR
Tetrahydrofuran	ND	200	33		ND	590	97	400	11/1/22 9:31	CMR
Toluene	12	20	11	J	45	75	43	400	11/1/22 9:31	CMR
1,2,4-Trichlorobenzene	ND uJ	20	19	LOJ	ND uJ	150	140	400	11/1/22 9:31	CMR
1,1,1-Trichloroethane	ND	20	16		ND	110	86	400	11/1/22 9:31	CMR
1,1,2-Trichloroethane	ND	20	14		ND	110	77	400	11/1/22 9:31	CMR
Trichloroethylene	16000	20	13		86000	110	72	400	11/1/22 9:31	CMR
Trichlorofluoromethane (Freon 11)	ND	80	24		ND	450	130	400	11/1/22 9:31	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	80	22		ND	610	170	400	11/1/22 9:31	CMR
1,2,4-Trimethylbenzene	ND	20	8.8		ND	98	43	400	11/1/22 9:31	CMR
1,3,5-Trimethylbenzene	ND	20	11		ND	98	52	400	11/1/22 9:31	CMR
Vinyl Acetate	ND	400	110		ND	1400	380	400	11/1/22 9:31	CMR
Vinyl Chloride	360	20	18		920	51	46	400	11/1/22 9:31	CMR
m&p-Xylene	ND	40	22		ND	170	97	400	11/1/22 9:31	CMR
o-Xylene	ND	20	10		ND	87	44	400	11/1/22 9:31	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.7	70-130	11/1/22 9:31

6

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: SV-6_10.20.22
Sample ID: 22J3301-06
Sample Matrix: Soil Gas
Sampled: 10/20/2022 10:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1695
Canister Size: 6 liter
Flow Controller ID: 4415
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Analyzed				
Acetone	ND	8.0	4.8			ND	19	11	4	11/1/22 0:50	CMR	
Benzene	1.2	0.20	0.15			3.7	0.64	0.48	4	11/1/22 0:50	CMR	
Benzyl chloride	ND	0.20	0.18			ND	1.0	0.91	4	11/1/22 0:50	CMR	
Bromodichloromethane	ND	0.20	0.14			ND	1.3	0.94	4	11/1/22 0:50	CMR	
Bromoform	ND	0.20	0.14			ND	2.1	1.4	4	11/1/22 0:50	CMR	
Bromomethane	ND	0.20	0.13			ND	0.78	0.52	4	11/1/22 0:50	CMR	
1,3-Butadiene	ND	0.20	0.17			ND	0.44	0.37	4	11/1/22 0:50	CMR	
2-Butanone (MEK)	ND	8.0	2.1			ND	24	6.3	4	11/1/22 0:50	CMR	
Carbon Disulfide	0.74	2.0	0.18	J		2.3	6.2	0.58	4	11/1/22 0:50	CMR	
Carbon Tetrachloride	ND	0.20	0.16			ND	1.3	1.0	4	11/1/22 0:50	CMR	
Chlorobenzene	ND	0.20	0.13			ND	0.92	0.61	4	11/1/22 0:50	CMR	
Chloroethane	ND	0.20	0.18			ND	0.53	0.47	4	11/1/22 0:50	CMR	
Chloroform	1.1	0.20	0.19			5.4	0.98	0.93	4	11/1/22 0:50	CMR	
Chloromethane	0.21	0.40	0.16	J		0.43	0.83	0.33	4	11/1/22 0:50	CMR	
Cyclohexane	0.66	0.20	0.12			2.3	0.69	0.42	4	11/1/22 0:50	CMR	
Dibromochloromethane	ND	0.20	0.13			ND	1.7	1.1	4	11/1/22 0:50	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12			ND	1.5	0.93	4	11/1/22 0:50	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.69	4	11/1/22 0:50	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11			ND	1.2	0.67	4	11/1/22 0:50	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13			ND	1.2	0.79	4	11/1/22 0:50	CMR	
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20			1.9	0.99	0.97	4	11/1/22 0:50	CMR	
1,1-Dichloroethane	ND	0.20	0.17			ND	0.81	0.71	4	11/1/22 0:50	CMR	
1,2-Dichloroethane	ND	0.20	0.18			ND	0.81	0.73	4	11/1/22 0:50	CMR	
1,1-Dichloroethylene	0.36	0.20	0.15			1.4	0.79	0.60	4	11/1/22 0:50	CMR	
cis-1,2-Dichloroethylene	9.0	0.20	0.15			36	0.79	0.58	4	11/1/22 0:50	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16			ND	0.79	0.62	4	11/1/22 0:50	CMR	
1,2-Dichloropropane	ND	0.20	0.11			ND	0.92	0.50	4	11/1/22 0:50	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.47	4	11/1/22 0:50	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10			ND	0.91	0.46	4	11/1/22 0:50	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND uJ	0.20	0.20	L-03		ND uJ	1.4	1.4	4	11/1/22 0:50	CMR	
1,4-Dioxane	ND	2.0	0.17			ND	7.2	0.60	4	11/1/22 0:50	CMR	
Ethanol	5.2 J	8.0	3.5	L-03-J		9.8 J	15	6.6	4	11/1/22 0:50	CMR	
Ethyl Acetate	ND	2.0	1.0			ND	7.2	3.6	4	11/1/22 0:50	CMR	
Ethylbenzene	ND	0.20	0.12			ND	0.87	0.51	4	11/1/22 0:50	CMR	
4-Ethyltoluene	ND	0.20	0.12			ND	0.98	0.60	4	11/1/22 0:50	CMR	
Heptane	3.3	0.20	0.13			14	0.82	0.52	4	11/1/22 0:50	CMR	
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03		ND uJ	2.1	1.8	4	11/1/22 0:50	CMR	
Hexane	130	8.0	1.0			440	28	3.7	4	11/1/22 0:50	CMR	
2-Hexanone (MBK)	ND	0.20	0.10			ND	0.82	0.41	4	11/1/22 0:50	CMR	
Isopropanol	27 J	8.0	1.4	L-03		67 J	20	3.4	4	11/1/22 0:50	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15			ND	0.72	0.56	4	11/1/22 0:50	CMR	
Methylene Chloride	ND	2.0	0.93			ND	6.9	3.2	4	11/1/22 0:50	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11			ND	0.82	0.44	4	11/1/22 0:50	CMR	
Naphthalene	ND	0.20	0.15			ND	1.0	0.79	4	11/1/22 0:50	CMR	
Propene	ND	8.0	1.8			ND	14	3.0	4	11/1/22 0:50	CMR	
Styrene	ND	0.20	0.11			ND	0.85	0.45	4	11/1/22 0:50	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11			ND	1.4	0.74	4	11/1/22 0:50	CMR	

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-6_10.20.22
 Sample ID: 22J3301-06
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1695
 Canister Size: 6 liter
 Flow Controller ID: 4415
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	0.61	0.20	0.15		4.1	1.4	1.0	4	11/1/22 0:50	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 0:50	CMR
Toluene	0.86	0.20	0.11		3.3	0.75	0.43	4	11/1/22 0:50	CMR
1,2,4-Trichlorobenzene	ND <i>uj</i>	0.20	0.19	<i>LO5</i>	ND <i>uj</i>	1.5	1.4	4	11/1/22 0:50	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 0:50	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 0:50	CMR
Trichloroethylene	34	0.20	0.13		180	1.1	0.72	4	11/1/22 0:50	CMR
Trichlorofluoromethane (Freon 11)	0.26	0.80	0.24	<i>J</i>	1.5	4.5	1.3	4	11/1/22 0:50	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 0:50	CMR
1,2,4-Trimethylbenzene	0.20	0.20	0.088		1.0	0.98	0.43	4	11/1/22 0:50	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 0:50	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 0:50	CMR
Vinyl Chloride	1.2	0.20	0.18		3.1	0.51	0.46	4	11/1/22 0:50	CMR
m&p-Xylene	0.36	0.40	0.22	<i>J</i>	1.5	1.7	0.97	4	11/1/22 0:50	CMR
o-Xylene	0.14	0.20	0.10	<i>J</i>	0.59	0.87	0.44	4	11/1/22 0:50	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.3	70-130	11/1/22 0:50

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-7_10.20.22
 Sample ID: 22J3301-07
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:25

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1966
 Canister Size: 6 liter
 Flow Controller ID: 4437
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	15	8.0	4.8		36	19	11	4	11/1/22 2:53	CMR
Benzene	0.36	0.20	0.15		1.2	0.64	0.48	4	11/1/22 2:53	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 2:53	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 2:53	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 2:53	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 2:53	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 2:53	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 2:53	CMR
Carbon Disulfide	0.86	2.0	0.18	J	2.7	6.2	0.58	4	11/1/22 2:53	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 2:53	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 2:53	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 2:53	CMR
Chloroform	1.5	0.20	0.19		7.5	0.98	0.93	4	11/1/22 2:53	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 2:53	CMR
Cyclohexane	0.41	0.20	0.12		1.4	0.69	0.42	4	11/1/22 2:53	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 2:53	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 2:53	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 2:53	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 2:53	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 2:53	CMR
Dichlorodifluoromethane (Freon 12)	0.37	0.20	0.20		1.8	0.99	0.97	4	11/1/22 2:53	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 2:53	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 2:53	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 2:53	CMR
cis-1,2-Dichloroethylene	0.54	0.20	0.15		2.2	0.79	0.58	4	11/1/22 2:53	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 2:53	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 2:53	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 2:53	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 2:53	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND <i>WJ</i>	0.20	0.20	<i>E-05</i>	ND <i>WJ</i>	1.4	1.4	4	11/1/22 2:53	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 2:53	CMR
Ethanol	6.3 <i>J</i>	8.0	3.5	<i>E-03, J</i>	12 <i>J</i>	15	6.6	4	11/1/22 2:53	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 2:53	CMR
Ethylbenzene	0.14	0.20	0.12	J	0.61	0.87	0.51	4	11/1/22 2:53	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 2:53	CMR
Heptane	0.27	0.20	0.13		1.1	0.82	0.52	4	11/1/22 2:53	CMR
Hexachlorobutadiene	ND <i>WJ</i>	0.20	0.16	<i>E-05</i>	ND <i>WJ</i>	2.1	1.8	4	11/1/22 2:53	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 2:53	CMR
2-Hexanone (MBK)	0.14	0.20	0.10	J	0.59	0.82	0.41	4	11/1/22 2:53	CMR
Isopropanol	41 <i>J</i>	8.0	1.4	<i>E-03</i>	100 <i>J</i>	20	3.4	4	11/1/22 2:53	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 2:53	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 2:53	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 2:53	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 2:53	CMR
Propene	4.0	8.0	1.8	J	6.9	14	3.0	4	11/1/22 2:53	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 2:53	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 2:53	CMR

W 21, 21, 23

7

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-7_10.20.22
 Sample ID: 22J3301-07
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:25

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1966
 Canister Size: 6 liter
 Flow Controller ID: 4437
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	15	0.20	0.15		100	1.4	1.0	4	11/1/22 2:53	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 2:53	CMR
Toluene	1.3	0.20	0.11		4.9	0.75	0.43	4	11/1/22 2:53	CMR
1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.20	0.19	<i>1-03</i>	ND <i>uJ</i>	1.5	1.4	4	11/1/22 2:53	CMR
1,1,1-Trichloroethane	2.0	0.20	0.16		11	1.1	0.86	4	11/1/22 2:53	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 2:53	CMR
Trichloroethylene	2.4	0.20	0.13		13	1.1	0.72	4	11/1/22 2:53	CMR
Trichlorofluoromethane (Freon 11)	3.0	0.80	0.24		17	4.5	1.3	4	11/1/22 2:53	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 2:53	CMR
1,2,4-Trimethylbenzene	0.30	0.20	0.088		1.5	0.98	0.43	4	11/1/22 2:53	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 2:53	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 2:53	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 2:53	CMR
m&p-Xylene	0.51	0.40	0.22		2.2	1.7	0.97	4	11/1/22 2:53	CMR
o-Xylene	0.20	0.20	0.10		0.87	0.87	0.44	4	11/1/22 2:53	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	11/1/22 2:53

mw 21.7123

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-8_10.20.22
 Sample ID: 22J3301-08
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1986
 Canister Size: 6 liter
 Flow Controller ID: 4450
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	31	8.0	4.8		74	19	11	4	11/1/22 19:37	CMR
Benzene	0.84	0.20	0.15		2.7	0.64	0.48	4	11/1/22 19:37	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 19:37	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 19:37	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 19:37	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 19:37	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 19:37	CMR
2-Butanone (MEK)	4.5	8.0	2.1	J	13	24	6.3	4	11/1/22 19:37	CMR
Carbon Disulfide	1.4	2.0	0.18	J	4.3	6.2	0.58	4	11/1/22 19:37	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 19:37	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 19:37	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 19:37	CMR
Chloroform	2.7	0.20	0.19		13	0.98	0.93	4	11/1/22 19:37	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 19:37	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 19:37	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 19:37	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 19:37	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 19:37	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 19:37	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 19:37	CMR
Dichlorodifluoromethane (Freon 12)	0.35	0.20	0.20		1.7	0.99	0.97	4	11/1/22 19:37	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 19:37	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 19:37	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 19:37	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 19:37	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 19:37	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 19:37	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 19:37	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 19:37	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/1/22 19:37	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 19:37	CMR
Ethanol	6.0 J	8.0	3.5	L-03, J	11 J	15	6.6	4	11/1/22 19:37	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 19:37	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 19:37	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 19:37	CMR
Heptane	0.21	0.20	0.13		0.87	0.82	0.52	4	11/1/22 19:37	CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03	ND uJ	2.1	1.8	4	11/1/22 19:37	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 19:37	CMR
2-Hexanone (MBK)	0.21	0.20	0.10		0.87	0.82	0.41	4	11/1/22 19:37	CMR
Isopropanol	27 J	8.0	1.4	L-03	65 J	20	3.4	4	11/1/22 19:37	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 19:37	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 19:37	CMR
4-Methyl-2-pentanone (MIBK)	0.21	0.20	0.11		0.87	0.82	0.44	4	11/1/22 19:37	CMR
Naphthalene	ND uJ	0.20	0.15	L-03	ND uJ	1.0	0.79	4	11/1/22 19:37	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 19:37	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 19:37	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 19:37	CMR

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-8_10.20.22
 Sample ID: 22J3301-08
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 09:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1986
 Canister Size: 6 liter
 Flow Controller ID: 4450
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time	
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Tetrachloroethylene	0.68	0.20	0.15		4.6	1.4	1.0	4	11/1/22 19:37	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 19:37	CMR
Toluene	0.56	0.20	0.11		2.1	0.75	0.43	4	11/1/22 19:37	CMR
1,2,4-Trichlorobenzene	ND ^{uJ}	0.20	0.19	~~L-03~~	ND ^{uJ}	1.5	1.4	4	11/1/22 19:37	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 19:37	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 19:37	CMR
Trichloroethylene	0.16	0.20	0.13	J	0.86	1.1	0.72	4	11/1/22 19:37	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 19:37	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 19:37	CMR
1,2,4-Trimethylbenzene	0.22	0.20	0.088		1.1	0.98	0.43	4	11/1/22 19:37	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 19:37	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 19:37	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 19:37	CMR
m&p-Xylene	0.26	0.40	0.22	J	1.1	1.7	0.97	4	11/1/22 19:37	CMR
o-Xylene	0.12	0.20	0.10	J	0.52	0.87	0.44	4	11/1/22 19:37	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (I)	95.3	70-130	11/1/22 19:37

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-10_10.20.22
 Sample ID: 22J3301-10
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2223
 Canister Size: 6 liter
 Flow Controller ID: 4402
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	24	8.0	4.8		57	19	11	4	11/1/22 1:31	CMR
Benzene	0.89	0.20	0.15		2.8	0.64	0.48	4	11/1/22 1:31	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 1:31	CMR
Bromodichloromethane	1.4	0.20	0.14		9.4	1.3	0.94	4	11/1/22 1:31	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 1:31	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 1:31	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 1:31	CMR
2-Butanone (MEK)	2.8	8.0	2.1	J	8.4	24	6.3	4	11/1/22 1:31	CMR
Carbon Disulfide	1.7	2.0	0.18	J	5.4	6.2	0.58	4	11/1/22 1:31	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 1:31	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 1:31	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 1:31	CMR
Chloroform	53	0.20	0.19		260	0.98	0.93	4	11/1/22 1:31	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 1:31	CMR
Cyclohexane	0.22	0.20	0.12		0.76	0.69	0.42	4	11/1/22 1:31	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 1:31	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 1:31	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 1:31	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 1:31	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 1:31	CMR
Dichlorodifluoromethane (Freon 12)	0.38	0.20	0.20		1.9	0.99	0.97	4	11/1/22 1:31	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 1:31	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 1:31	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 1:31	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 1:31	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 1:31	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 1:31	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 1:31	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 1:31	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND uJ	0.20	0.20	L-03	ND uJ	1.4	1.4	4	11/1/22 1:31	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 1:31	CMR
Ethanol	5.3 J	8.0	3.5	L-03, J	10 J	15	6.6	4	11/1/22 1:31	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 1:31	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 1:31	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 1:31	CMR
Heptane	0.41	0.20	0.13		1.7	0.82	0.52	4	11/1/22 1:31	CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03	ND uJ	2.1	1.8	4	11/1/22 1:31	CMR
Hexane	1.2	8.0	1.0	J	4.3	28	3.7	4	11/1/22 1:31	CMR
2-Hexanone (MBK)	0.24	0.20	0.10		0.97	0.82	0.41	4	11/1/22 1:31	CMR
Isopropanol	23 J	8.0	1.4	L-03	57 J	20	3.4	4	11/1/22 1:31	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 1:31	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 1:31	CMR
4-Methyl-2-pentanone (MIBK)	0.19	0.20	0.11	J	0.77	0.82	0.44	4	11/1/22 1:31	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 1:31	CMR
Propene	6.7	8.0	1.8	J	12	14	3.0	4	11/1/22 1:31	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 1:31	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 1:31	CMR

w 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-10_10.20.22
 Sample ID: 22J3301-10
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2223
 Canister Size: 6 liter
 Flow Controller ID: 4402
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		Analyst
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed		
Tetrachloroethylene	50	0.20	0.15			340	1.4	1.0	4	11/1/22 1:31	CMR
Tetrahydrofuran	ND	2.0	0.33			ND	5.9	0.97	4	11/1/22 1:31	CMR
Toluene	0.87	0.20	0.11			3.3	0.75	0.43	4	11/1/22 1:31	CMR
1,2,4-Trichlorobenzene	ND WJ	0.20	0.19		LOD	ND WJ	1.5	1.4	4	11/1/22 1:31	CMR
1,1,1-Trichloroethane	4.2	0.20	0.16			23	1.1	0.86	4	11/1/22 1:31	CMR
1,1,2-Trichloroethane	ND	0.20	0.14			ND	1.1	0.77	4	11/1/22 1:31	CMR
Trichloroethylene	0.72	0.20	0.13			3.8	1.1	0.72	4	11/1/22 1:31	CMR
Trichlorofluoromethane (Freon 11)	0.29	0.80	0.24		J	1.6	4.5	1.3	4	11/1/22 1:31	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22			ND	6.1	1.7	4	11/1/22 1:31	CMR
1,2,4-Trimethylbenzene	0.31	0.20	0.088			1.5	0.98	0.43	4	11/1/22 1:31	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11			ND	0.98	0.52	4	11/1/22 1:31	CMR
Vinyl Acetate	ND	4.0	1.1			ND	14	3.8	4	11/1/22 1:31	CMR
Vinyl Chloride	ND	0.20	0.18			ND	0.51	0.46	4	11/1/22 1:31	CMR
m&p-Xylene	0.40	0.40	0.22		J	1.7	1.7	0.97	4	11/1/22 1:31	CMR
o-Xylene	0.15	0.20	0.10		J	0.66	0.87	0.44	4	11/1/22 1:31	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	11/1/22 1:31

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-11_10.20.22
 Sample ID: 22J3301-11
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1170
 Canister Size: 6 liter
 Flow Controller ID: 4414
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	64	8.0	4.8		150	19	11	4	11/1/22 4:13	CMR
Benzene	0.48	0.20	0.15		1.5	0.64	0.48	4	11/1/22 4:13	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 4:13	CMR
Bromodichloromethane	4.2	0.20	0.14		28	1.3	0.94	4	11/1/22 4:13	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 4:13	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 4:13	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 4:13	CMR
2-Butanone (MEK)	3.1	8.0	2.1	J	9.0	24	6.3	4	11/1/22 4:13	CMR
Carbon Disulfide	2.7	2.0	0.18		8.4	6.2	0.58	4	11/1/22 4:13	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 4:13	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 4:13	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 4:13	CMR
Chloroform	98	0.20	0.19		480	0.98	0.93	4	11/1/22 4:13	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 4:13	CMR
Cyclohexane	0.44	0.20	0.12		1.5	0.69	0.42	4	11/1/22 4:13	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 4:13	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 4:13	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 4:13	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 4:13	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 4:13	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20		2.0	0.99	0.97	4	11/1/22 4:13	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 4:13	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 4:13	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 4:13	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 4:13	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 4:13	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 4:13	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 4:13	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 4:13	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND <i>uJ</i>	0.20	0.20	<i>L-03</i>	ND <i>uJ</i>	1.4	1.4	4	11/1/22 4:13	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 4:13	CMR
Ethanol	12 <i>J</i>	8.0	3.5	<i>L-03</i>	23 <i>J</i>	15	6.6	4	11/1/22 4:13	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 4:13	CMR
Ethylbenzene	0.24	0.20	0.12		1.0	0.87	0.51	4	11/1/22 4:13	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 4:13	CMR
Heptane	0.42	0.20	0.13		1.7	0.82	0.52	4	11/1/22 4:13	CMR
Hexachlorobutadiene	ND <i>uJ</i>	0.20	0.16	<i>L-03</i>	ND <i>uJ</i>	2.1	1.8	4	11/1/22 4:13	CMR
Hexane	4.6	8.0	1.0	J	16	28	3.7	4	11/1/22 4:13	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 4:13	CMR
Isopropanol	44 <i>J</i>	8.0	1.4	<i>L-03</i>	110 <i>J</i>	20	3.4	4	11/1/22 4:13	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 4:13	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 4:13	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 4:13	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 4:13	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 4:13	CMR
Styrene	0.42	0.20	0.11		1.8	0.85	0.45	4	11/1/22 4:13	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 4:13	CMR

mw 2117/23

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ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-11_10.20.22
 Sample ID: 22J3301-11
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1170
 Canister Size: 6 liter
 Flow Controller ID: 4414
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Tetrachloroethylene	8.4	0.20	0.15		57	1.4	1.0	4	11/1/22 4:13		CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 4:13		CMR
Toluene	0.98	0.20	0.11		3.7	0.75	0.43	4	11/1/22 4:13		CMR
1,2,4-Trichlorobenzene	ND WJ	0.20	0.19	LO	ND WJ	1.5	1.4	4	11/1/22 4:13		CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 4:13		CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 4:13		CMR
Trichloroethylene	7.4	0.20	0.13		40	1.1	0.72	4	11/1/22 4:13		CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 4:13		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 4:13		CMR
1,2,4-Trimethylbenzene	0.36	0.20	0.088		1.8	0.98	0.43	4	11/1/22 4:13		CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 4:13		CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 4:13		CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 4:13		CMR
m&p-Xylene	0.79	0.40	0.22		3.4	1.7	0.97	4	11/1/22 4:13		CMR
o-Xylene	0.31	0.20	0.10		1.3	0.87	0.44	4	11/1/22 4:13		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	11/1/22 4:13

mw 2/17/23

12

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-12_10.20.22
 Sample ID: 22J3301-12
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1675
 Canister Size: 6 liter
 Flow Controller ID: 4364
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.1
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	28	8.0	4.8		67	19	11	4	11/1/22 20:17	CMR
Benzene	7.5	0.20	0.15		24	0.64	0.48	4	11/1/22 20:17	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 20:17	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 20:17	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 20:17	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 20:17	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 20:17	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 20:17	CMR
Carbon Disulfide	1.9	2.0	0.18	J	5.9	6.2	0.58	4	11/1/22 20:17	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 20:17	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 20:17	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 20:17	CMR
Chloroform	3.3	0.20	0.19		16	0.98	0.93	4	11/1/22 20:17	CMR
Chloromethane	0.25	0.40	0.16	J	0.51	0.83	0.33	4	11/1/22 20:17	CMR
Cyclohexane	0.32	0.20	0.12		1.1	0.69	0.42	4	11/1/22 20:17	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 20:17	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 20:17	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 20:17	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 20:17	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 20:17	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.20	0.20		2.0	0.99	0.97	4	11/1/22 20:17	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 20:17	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 20:17	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 20:17	CMR
cis-1,2-Dichloroethylene	0.61	0.20	0.15		2.4	0.79	0.58	4	11/1/22 20:17	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 20:17	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 20:17	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 20:17	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 20:17	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/1/22 20:17	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 20:17	CMR
Ethanol	5.4 J	8.0	3.5	L-03-J	10 J	15	6.6	4	11/1/22 20:17	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 20:17	CMR
Ethylbenzene	0.13	0.20	0.12	J	0.56	0.87	0.51	4	11/1/22 20:17	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 20:17	CMR
Heptane	0.19	0.20	0.13	J	0.77	0.82	0.52	4	11/1/22 20:17	CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03	ND uJ	2.1	1.8	4	11/1/22 20:17	CMR
Hexane	1.3	8.0	1.0	J	4.5	28	3.7	4	11/1/22 20:17	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 20:17	CMR
Isopropanol	30 J	8.0	1.4	L-03	74 J	20	3.4	4	11/1/22 20:17	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 20:17	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 20:17	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 20:17	CMR
Naphthalene	ND uJ	0.20	0.15	L-03	ND uJ	1.0	0.79	4	11/1/22 20:17	CMR
Propene	8.1	8.0	1.8		14	14	3.0	4	11/1/22 20:17	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 20:17	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 20:17	CMR

new 21/7/23

12

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-12_10.20.22
 Sample ID: 22J3301-12
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 12:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1675
 Canister Size: 6 liter
 Flow Controller ID: 4364
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -9.1
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	1.6	0.20	0.15		11	1.4	1.0	4	11/1/22 20:17	CMR
Tetrahydrofuran	1.9	2.0	0.33	J	5.7	5.9	0.97	4	11/1/22 20:17	CMR
Toluene	1.4	0.20	0.11		5.4	0.75	0.43	4	11/1/22 20:17	CMR
1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.20	0.19	~~1.03~~	ND <i>uJ</i>	1.5	1.4	4	11/1/22 20:17	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/1/22 20:17	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 20:17	CMR
Trichloroethylene	0.31	0.20	0.13		1.7	1.1	0.72	4	11/1/22 20:17	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 20:17	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 20:17	CMR
1,2,4-Trimethylbenzene	0.40	0.20	0.088		1.9	0.98	0.43	4	11/1/22 20:17	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 20:17	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 20:17	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 20:17	CMR
m&p-Xylene	0.49	0.40	0.22		2.1	1.7	0.97	4	11/1/22 20:17	CMR
o-Xylene	0.20	0.20	0.10		0.87	0.87	0.44	4	11/1/22 20:17	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.7	70-130	11/1/22 20:17

mw 2/17/23

13

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
Date Received: 10/21/2022
Field Sample #: SV-13_10.20.22
Sample ID: 22J3301-13
Sample Matrix: Soil Gas
Sampled: 10/20/2022 13:06

Sample Description/Location:
Sub Description/Location:
Canister ID: 2029
Canister Size: 6 liter
Flow Controller ID: 4363
Sample Type: 2 hr

Work Order: 22J3301
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	13	8.0	4.8		32	19	11	4	11/1/22 20:57	CMR
Benzene	0.64	0.20	0.15		2.0	0.64	0.48	4	11/1/22 20:57	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 20:57	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 20:57	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 20:57	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 20:57	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 20:57	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 20:57	CMR
Carbon Disulfide	0.42	2.0	0.18	J	1.3	6.2	0.58	4	11/1/22 20:57	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 20:57	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 20:57	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 20:57	CMR
Chloroform	4.0	0.20	0.19		20	0.98	0.93	4	11/1/22 20:57	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 20:57	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 20:57	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 20:57	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 20:57	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 20:57	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 20:57	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 20:57	CMR
Dichlorodifluoromethane (Freon 12)	0.36	0.20	0.20		1.8	0.99	0.97	4	11/1/22 20:57	CMR
1,1-Dichloroethane	0.31	0.20	0.17		1.3	0.81	0.71	4	11/1/22 20:57	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 20:57	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 20:57	CMR
cis-1,2-Dichloroethylene	21	0.20	0.15		84	0.79	0.58	4	11/1/22 20:57	CMR
trans-1,2-Dichloroethylene	0.97	0.20	0.16		3.9	0.79	0.62	4	11/1/22 20:57	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 20:57	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 20:57	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 20:57	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/1/22 20:57	CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 20:57	CMR
Ethanol	9.4 J	8.0	3.5	L-03	18 J	15	6.6	4	11/1/22 20:57	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 20:57	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 20:57	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 20:57	CMR
Heptane	0.33	0.20	0.13		1.3	0.82	0.52	4	11/1/22 20:57	CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	L-03	ND uJ	2.1	1.8	4	11/1/22 20:57	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 20:57	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/1/22 20:57	CMR
Isopropanol	24 J	8.0	1.4	L-03	60 J	20	3.4	4	11/1/22 20:57	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 20:57	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 20:57	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/1/22 20:57	CMR
Naphthalene	ND uJ	0.20	0.15	L-03	ND uJ	1.0	0.79	4	11/1/22 20:57	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 20:57	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 20:57	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 20:57	CMR

nu 217123

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
Field Sample #: SV-13_10.20.22
Sample ID: 22J3301-13
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2029
 Canister Size: 6 liter
 Flow Controller ID: 4363
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time Analyzed	Analyst
	Results	RL	MDL		Results	RL	MDL			
Tetrachloroethylene	56	0.20	0.15		380	1.4	1.0	4	11/1/22 20:57	CMR
Tetrahydrofuran	80	2.0	0.33		240	5.9	0.97	4	11/1/22 20:57	CMR
Toluene	0.69	0.20	0.11		2.6	0.75	0.43	4	11/1/22 20:57	CMR
1,2,4-Trichlorobenzene	ND <i>WJ</i>	0.20	0.19	<i>LO3</i>	ND <i>WJ</i>	1.5	1.4	4	11/1/22 20:57	CMR
1,1,1-Trichloroethane	0.98	0.20	0.16		5.3	1.1	0.86	4	11/1/22 20:57	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 20:57	CMR
Trichloroethylene	13	0.20	0.13		70	1.1	0.72	4	11/1/22 20:57	CMR
Trichlorofluoromethane (Freon 11)	0.27	0.80	0.24	<i>J</i>	1.5	4.5	1.3	4	11/1/22 20:57	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.23	0.80	0.22	<i>J</i>	1.7	6.1	1.7	4	11/1/22 20:57	CMR
1,2,4-Trimethylbenzene	0.35	0.20	0.088		1.7	0.98	0.43	4	11/1/22 20:57	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 20:57	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 20:57	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 20:57	CMR
m&p-Xylene	0.44	0.40	0.22		1.9	1.7	0.97	4	11/1/22 20:57	CMR
o-Xylene	0.18	0.20	0.10	<i>J</i>	0.78	0.87	0.44	4	11/1/22 20:57	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.8	70-130	11/1/22 20:57

14

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-14_10.20.22
 Sample ID: 22J3301-14
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:16

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1066
 Canister Size: 6 liter
 Flow Controller ID: 4300
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	12	8.0	4.8		29	19	11	4	11/1/22 0:10		CMR
Benzene	0.31	0.20	0.15		0.98	0.64	0.48	4	11/1/22 0:10		CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/1/22 0:10		CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/1/22 0:10		CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/1/22 0:10		CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/1/22 0:10		CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/1/22 0:10		CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/1/22 0:10		CMR
Carbon Disulfide	1.0	2.0	0.18	J	3.1	6.2	0.58	4	11/1/22 0:10		CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/1/22 0:10		CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/1/22 0:10		CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/1/22 0:10		CMR
Chloroform	5.2	0.20	0.19		25	0.98	0.93	4	11/1/22 0:10		CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/1/22 0:10		CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/1/22 0:10		CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/1/22 0:10		CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/1/22 0:10		CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/1/22 0:10		CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/1/22 0:10		CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/1/22 0:10		CMR
Dichlorodifluoromethane (Freon 12)	0.34	0.20	0.20		1.7	0.99	0.97	4	11/1/22 0:10		CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/1/22 0:10		CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/1/22 0:10		CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/1/22 0:10		CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/1/22 0:10		CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/1/22 0:10		CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/1/22 0:10		CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/1/22 0:10		CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/1/22 0:10		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND uJ	0.20	0.20	E-05	ND uJ	1.4	1.4	4	11/1/22 0:10		CMR
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/1/22 0:10		CMR
Ethanol	7.6 J	8.0	3.5	E-03, J	14 J	15	6.6	4	11/1/22 0:10		CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/1/22 0:10		CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/1/22 0:10		CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/1/22 0:10		CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/1/22 0:10		CMR
Hexachlorobutadiene	ND uJ	0.20	0.16	E-05	ND uJ	2.1	1.8	4	11/1/22 0:10		CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/1/22 0:10		CMR
2-Hexanone (MBK)	0.13	0.20	0.10	J	0.52	0.82	0.41	4	11/1/22 0:10		CMR
Isopropanol	33 J	8.0	1.4	E-03, J	82 J	20	3.4	4	11/1/22 0:10		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/1/22 0:10		CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/1/22 0:10		CMR
4-Methyl-2-pentanone (MIBK)	0.18	0.20	0.11	J	0.75	0.82	0.44	4	11/1/22 0:10		CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/1/22 0:10		CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/1/22 0:10		CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/1/22 0:10		CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/1/22 0:10		CMR

mw 2/17/23

14

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: SV-14_10.20.22
 Sample ID: 22J3301-14
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 13:16

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1066
 Canister Size: 6 liter
 Flow Controller ID: 4300
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	4.9	0.20	0.15		33	1.4	1.0	4	11/1/22 0:10	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/1/22 0:10	CMR
Toluene	0.70	0.20	0.11		2.6	0.75	0.43	4	11/1/22 0:10	CMR
1,2,4-Trichlorobenzene	ND <i>WJ</i>	0.20	0.19	<i>1-03</i>	ND <i>WJ</i>	1.5	1.4	4	11/1/22 0:10	CMR
1,1,1-Trichloroethane	0.20	0.20	0.16		1.1	1.1	0.86	4	11/1/22 0:10	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/1/22 0:10	CMR
Trichloroethylene	ND	0.20	0.13		ND	1.1	0.72	4	11/1/22 0:10	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/1/22 0:10	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/1/22 0:10	CMR
1,2,4-Trimethylbenzene	0.48	0.20	0.088		2.3	0.98	0.43	4	11/1/22 0:10	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/1/22 0:10	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/1/22 0:10	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/1/22 0:10	CMR
m&p-Xylene	0.34	0.40	0.22	<i>J</i>	1.5	1.7	0.97	4	11/1/22 0:10	CMR
o-Xylene	0.15	0.20	0.10	<i>J</i>	0.66	0.87	0.44	4	11/1/22 0:10	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.3	70-130	11/1/22 0:10

11/21/23

15

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: OA-1_10.20.22
 Sample ID: 22J3301-15
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:30

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1928
 Canister Size: 6 liter
 Flow Controller ID: 4424
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	3.2	1.4	0.85		7.7	3.3	2.0	0.702	11/1/22	18:56	CMR
Benzene	0.18	0.035	0.027		0.57	0.11	0.085	0.702	11/1/22	18:56	CMR
Benzyl chloride	ND	0.035	0.031		ND	0.18	0.16	0.702	11/1/22	18:56	CMR
Bromodichloromethane	ND	0.035	0.025		ND	0.24	0.16	0.702	11/1/22	18:56	CMR
Bromoform	ND	0.035	0.024		ND	0.36	0.25	0.702	11/1/22	18:56	CMR
Bromomethane	ND	0.035	0.023		ND	0.14	0.091	0.702	11/1/22	18:56	CMR
1,3-Butadiene	0.037	0.035	0.029		0.082	0.078	0.065	0.702	11/1/22	18:56	CMR
2-Butanone (MEK)	ND	1.4	0.37		ND	4.1	1.1	0.702	11/1/22	18:56	CMR
Carbon Disulfide	ND	0.35	0.032		ND	1.1	0.10	0.702	11/1/22	18:56	CMR
Carbon Tetrachloride	0.072	0.035	0.028		0.45	0.22	0.18	0.702	11/1/22	18:56	CMR
Chlorobenzene	ND	0.035	0.023		ND	0.16	0.11	0.702	11/1/22	18:56	CMR
Chloroethane	ND	0.035	0.031		ND	0.093	0.082	0.702	11/1/22	18:56	CMR
Chloroform	ND	0.035	0.033		ND	0.17	0.16	0.702	11/1/22	18:56	CMR
Chloromethane	0.43	0.070	0.028		0.90	0.14	0.058	0.702	11/1/22	18:56	CMR
Cyclohexane	0.045	0.035	0.021		0.15	0.12	0.073	0.702	11/1/22	18:56	CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.702	11/1/22	18:56	CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.021		ND	0.27	0.16	0.702	11/1/22	18:56	CMR
1,2-Dichlorobenzene	ND	0.035	0.020		ND	0.21	0.12	0.702	11/1/22	18:56	CMR
1,3-Dichlorobenzene	ND	0.035	0.019		ND	0.21	0.12	0.702	11/1/22	18:56	CMR
1,4-Dichlorobenzene	ND	0.035	0.023		ND	0.21	0.14	0.702	11/1/22	18:56	CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.035	0.034		1.0	0.17	0.17	0.702	11/1/22	18:56	CMR
1,1-Dichloroethane	ND	0.035	0.031		ND	0.14	0.12	0.702	11/1/22	18:56	CMR
1,2-Dichloroethane	ND	0.035	0.032		ND	0.14	0.13	0.702	11/1/22	18:56	CMR
1,1-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.702	11/1/22	18:56	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.026		ND	0.14	0.10	0.702	11/1/22	18:56	CMR
trans-1,2-Dichloroethylene	ND	0.035	0.028		ND	0.14	0.11	0.702	11/1/22	18:56	CMR
1,2-Dichloropropane	ND	0.035	0.019		ND	0.16	0.088	0.702	11/1/22	18:56	CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.702	11/1/22	18:56	CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.702	11/1/22	18:56	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.035		ND	0.25	0.24	0.702	11/1/22	18:56	CMR
1,4-Dioxane	ND	0.35	0.029		ND	1.3	0.10	0.702	11/1/22	18:56	CMR
Ethanol	4.4 J	1.4	0.62	L-02	8.3 J	2.6	1.2	0.702	11/1/22	18:56	CMR
Ethyl Acetate	ND	0.35	0.18		ND	1.3	0.64	0.702	11/1/22	18:56	CMR
Ethylbenzene	0.046	0.035	0.020		0.20	0.15	0.089	0.702	11/1/22	18:56	CMR
4-Ethyltoluene	ND	0.035	0.022		ND	0.17	0.11	0.702	11/1/22	18:56	CMR
Heptane	0.34	0.035	0.022		1.4	0.14	0.092	0.702	11/1/22	18:56	CMR
Hexachlorobutadiene	ND uJ	0.035	0.029	L-05	ND uJ	0.37	0.31	0.702	11/1/22	18:56	CMR
Hexane	0.49	1.4	0.18	J	1.7	4.9	0.64	0.702	11/1/22	18:56	CMR
2-Hexanone (MBK)	ND	0.035	0.018		ND	0.14	0.072	0.702	11/1/22	18:56	CMR
Isopropanol	0.66 J	1.4	0.24	L-03 J	1.6 J	3.4	0.60	0.702	11/1/22	18:56	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.027		ND	0.13	0.098	0.702	11/1/22	18:56	CMR
Methylene Chloride	ND	0.35	0.16		ND	1.2	0.57	0.702	11/1/22	18:56	CMR
4-Methyl-2-pentanone (MIBK)	0.040	0.035	0.019		0.16	0.14	0.077	0.702	11/1/22	18:56	CMR
Naphthalene	0.048 J	0.035	0.026	L-03	0.25 J	0.18	0.14	0.702	11/1/22	18:56	CMR
Propene	ND	1.4	0.31		ND	2.4	0.53	0.702	11/1/22	18:56	CMR
Styrene	ND	0.035	0.018		ND	0.15	0.079	0.702	11/1/22	18:56	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.019		ND	0.24	0.13	0.702	11/1/22	18:56	CMR

NW 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/21/2022
 Field Sample #: OA-1_10.20.22
 Sample ID: 22J3301-15
 Sample Matrix: Soil Gas
 Sampled: 10/20/2022 10:30

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1928
 Canister Size: 6 liter
 Flow Controller ID: 4424
 Sample Type: 2 hr

Work Order: 22J3301
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -9.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	0.038	0.035	0.027		0.26	0.24	0.18	0.702	11/1/22 18:56	CMR
Tetrahydrofuran	ND	0.35	0.058		ND	1.0	0.17	0.702	11/1/22 18:56	CMR
Toluene	0.58	0.035	0.020		2.2	0.13	0.076	0.702	11/1/22 18:56	CMR
1,2,4-Trichlorobenzene	ND WJ	0.035	0.033	LOD	ND WJ	0.26	0.24	0.702	11/1/22 18:56	CMR
1,1,1-Trichloroethane	ND	0.035	0.028		ND	0.19	0.15	0.702	11/1/22 18:56	CMR
1,1,2-Trichloroethane	ND	0.035	0.025		ND	0.19	0.13	0.702	11/1/22 18:56	CMR
Trichloroethylene	ND	0.035	0.024		ND	0.19	0.13	0.702	11/1/22 18:56	CMR
Trichlorofluoromethane (Freon 11)	0.18	0.14	0.041		1.0	0.79	0.23	0.702	11/1/22 18:56	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.053	0.14	0.039	J	0.40	1.1	0.30	0.702	11/1/22 18:56	CMR
1,2,4-Trimethylbenzene	0.046	0.035	0.016		0.22	0.17	0.076	0.702	11/1/22 18:56	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.019		ND	0.17	0.091	0.702	11/1/22 18:56	CMR
Vinyl Acetate	ND	0.70	0.19		ND	2.5	0.66	0.702	11/1/22 18:56	CMR
Vinyl Chloride	ND	0.035	0.032		ND	0.090	0.081	0.702	11/1/22 18:56	CMR
m&p-Xylene	0.14	0.070	0.039		0.62	0.30	0.17	0.702	11/1/22 18:56	CMR
o-Xylene	0.058	0.035	0.018		0.25	0.15	0.078	0.702	11/1/22 18:56	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.9	70-130	11/1/22 18:56

DATA USABILITY SUMMARY REPORT
473 PRESIDENT STREET, BROOKLYN, NEW YORK

Client: HRP Associates, In., Clifton Park, New York
SDG: 23A2674
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: 473 President Street, Brooklyn, New York
Date: March 21, 2023

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	HRP-MW-5	22A2674-01	Water
2	HRP-MW-3	22A2674-02	Water
3	HRP-MW-2	22A2674-03	Water
4	HRP-MW-4	22A2674-04	Water
5	LAB TRIP BLANK	22A2674-05	Water

A Data Usability Summary Review was performed on the analytical data for four water samples and one aqueous trip blank sample collected on January 24, 2023 by HRP at the 473 President Street site in Brooklyn, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis
VOC

Method References
USEPA SW-846 Method 8260D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries

- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B329990-BS1	Chloromethane	243%	None	Associated Samples ND

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
LAB TRIP BLANK	Chloroform	0.71	U	3, 4

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these

compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
01/30/23	Chloromethane	165%	UJ	All Samples

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

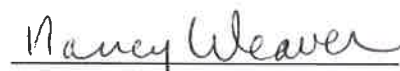
- TICs were not detected.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:



Nancy Weaver
Senior Chemist

Dated: 3/22/23

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

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HRP-MW-5

Laboratory:	Pace New England	Work Order:	23A2674
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN
Matrix:	Water	Laboratory ID:	23A2674-01
		File ID:	C22V03023.D
Sampled:	01/24/23 08:25	Prepared:	01/30/23 07:43
		Analyzed:	01/30/23 17:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B329990	Sequence:	S082590
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	17	2.0	50	J
71-43-2	Benzene		0.20	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	~~V-05~~
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.6	20	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	u J
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.21	0.15	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
123-91-1	1,4-Dioxane		21	50	

MW 3/21/23

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HRP-MW-5

Laboratory:	Pace New England	Work Order:	23A2674
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN
Matrix:	Water	Laboratory ID:	23A2674-01
		File ID:	C22V03023.D
Sampled:	01/24/23 08:25	Prepared:	01/30/23 07:43
		Analyzed:	01/30/23 17:47
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B329990	Sequence:	S082590
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.21	1.0	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane	2.7	0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.11	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene	4.7	0.19	1.0	
108-88-3	Toluene	68	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	1.0	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

NW 3/21/23

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HRP-MW-3

Laboratory: Pace New England Work Order: 23A2674
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
Matrix: Water Laboratory ID: 23A2674-02 File ID: C22V03011.D
Sampled: 01/24/23 13:30 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 12:26
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene	0.94	0.20	1.0	J
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	~~V-05~~
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.6	20	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	UJ
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
123-91-1	1,4-Dioxane		21	50	

new 3/21/23

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HRP-MW-3

Laboratory: Pace New England Work Order: 23A2674
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
Matrix: Water Laboratory ID: 23A2674-02 File ID: C22V03011.D
Sampled: 01/24/23 13:30 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 12:26
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.21	1.0	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	2.0	0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.11	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
108-88-3	Toluene	1.1	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

new 3/21/23

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HRP-MW-2

Laboratory: Pace New England Work Order: 23A2674
 Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
 Matrix: Water Laboratory ID: 23A2674-03 File ID: C22V03025.D
 Sampled: 01/24/23 14:20 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 18:40
 Solids: Preparation: SW-846 5030B Dilution: 2
 Initial/Final: 5 mL / 5 mL
 Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.1	100	
71-43-2	Benzene		0.40	2.0	
74-97-5	Bromochloromethane		0.61	2.0	
75-27-4	Bromodichloromethane		0.36	1.0	
75-25-2	Bromoform		0.77	2.0	~~V-05~~
74-83-9	Bromomethane		3.1	4.0	
78-93-3	2-Butanone (MEK)		3.2	40	
75-15-0	Carbon Disulfide		2.9	10	
56-23-5	Carbon Tetrachloride		0.33	10	
108-90-7	Chlorobenzene		0.21	2.0	
124-48-1	Chlorodibromomethane		0.44	1.0	
75-00-3	Chloroethane		0.64	4.0	
67-66-3	Chloroform	0.44	0.34	4.0	u J
74-87-3	Chloromethane		1.0	4.0	u J
110-82-7	Cyclohexane		3.5	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.6	10	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.34	1.0	
95-50-1	1,2-Dichlorobenzene		0.24	2.0	
541-73-1	1,3-Dichlorobenzene		0.24	2.0	
106-46-7	1,4-Dichlorobenzene		0.26	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.38	4.0	
75-34-3	1,1-Dichloroethane		0.28	2.0	
107-06-2	1,2-Dichloroethane		0.62	2.0	
75-35-4	1,1-Dichloroethylene		0.28	2.0	
156-59-2	cis-1,2-Dichloroethylene	0.88	0.29	2.0	J
156-60-5	trans-1,2-Dichloroethylene		0.34	2.0	
78-87-5	1,2-Dichloropropane		0.36	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.32	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.34	1.0	
123-91-1	1,4-Dioxane		41	100	

NW 312123

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HRP-MW-2

Laboratory:	Pace New England	Work Order:	23A2674
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN
Matrix:	Water	Laboratory ID:	23A2674-03
		File ID:	C22V03025.D
Sampled:	01/24/23 14:20	Prepared:	01/30/23 07:43
		Analyzed:	01/30/23 18:40
Solids:		Preparation:	SW-846 5030B
		Dilution:	2
Initial/Final:	5 mL / 5 mL		
Batch:	B329990	Sequence:	S082590
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.43	2.0	
591-78-6	2-Hexanone (MBK)		2.2	20	
98-82-8	Isopropylbenzene (Cumene)		0.22	2.0	
79-20-9	Methyl Acetate		0.91	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.34	2.0	
108-87-2	Methyl Cyclohexane		0.49	2.0	
75-09-2	Methylene Chloride		0.47	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.6	20	
100-42-5	Styrene		0.21	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.25	1.0	
127-18-4	Tetrachloroethylene	100	0.37	2.0	
108-88-3	Toluene		0.45	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.61	10	
120-82-1	1,2,4-Trichlorobenzene		0.50	2.0	
71-55-6	1,1,1-Trichloroethane		0.34	2.0	
79-00-5	1,1,2-Trichloroethane		0.37	2.0	
79-01-6	Trichloroethylene	0.52	0.38	2.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.35	4.0	
76-13-1	1,1,2 Trichloro 1,2,2 trifluoroethane (Freon 1		0.45	2.0	
75-01-4	Vinyl Chloride		0.42	4.0	
1330-20-7	Xylenes (total)		2.0	2.0	

312123

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HRP-MW-4

4

Laboratory: Pace New England Work Order: 23A2674
 Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
 Matrix: Water Laboratory ID: 23A2674-04 File ID: C22V03026.D
 Sampled: 01/24/23 15:10 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 19:07
 Solids: Preparation: SW-846 5030B Dilution: 2
 Initial/Final: 5 mL / 5 mL
 Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.1	100	
71-43-2	Benzene		0.40	2.0	
74-97-5	Bromochloromethane		0.61	2.0	
75-27-4	Bromodichloromethane		0.36	1.0	
75-25-2	Bromoform		0.77	2.0	~~V-05~~
74-83-9	Bromomethane		3.1	4.0	
78-93-3	2-Butanone (MEK)		3.2	40	
75-15-0	Carbon Disulfide		2.9	10	
56-23-5	Carbon Tetrachloride		0.33	10	
108-90-7	Chlorobenzene		0.21	2.0	
124-48-1	Chlorodibromomethane		0.44	1.0	
75-00-3	Chloroethane		0.64	4.0	
67-66-3	Chloroform	0.76	0.34	4.0	u ✓
74-87-3	Chloromethane		1.0	4.0	u J
110-82-7	Cyclohexane		3.5	10	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.6	10	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.34	1.0	
95-50-1	1,2-Dichlorobenzene		0.24	2.0	
541-73-1	1,3-Dichlorobenzene		0.24	2.0	
106-46-7	1,4-Dichlorobenzene		0.26	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.38	4.0	
75-34-3	1,1-Dichloroethane		0.28	2.0	
107-06-2	1,2-Dichloroethane		0.62	2.0	
75-35-4	1,1-Dichloroethylene		0.28	2.0	
156-59-2	cis-1,2-Dichloroethylene	0.94	0.29	2.0	J
156-60-5	trans-1,2-Dichloroethylene		0.34	2.0	
78-87-5	1,2-Dichloropropane		0.36	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.32	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.34	1.0	
123-91-1	1,4-Dioxane		41	100	

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HRP-MW-4

Laboratory:	Pace New England	Work Order:	23A2674
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN
Matrix:	Water	Laboratory ID:	23A2674-04
		File ID:	C22V03026.D
Sampled:	01/24/23 15:10	Prepared:	01/30/23 07:43
		Analyzed:	01/30/23 19:07
Solids:		Preparation:	SW-846 5030B
		Dilution:	2
Initial/Final:	5 mL / 5 mL		
Batch:	B329990	Sequence:	S082590
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.43	2.0	
591-78-6	2-Hexanone (MBK)		2.2	20	
98-82-8	Isopropylbenzene (Cumene)		0.22	2.0	
79-20-9	Methyl Acetate		0.91	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.34	2.0	
108-87-2	Methyl Cyclohexane		0.49	2.0	
75-09-2	Methylene Chloride		0.47	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.6	20	
100-42-5	Styrene		0.21	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.25	1.0	
127-18-4	Tetrachloroethylene	100	0.37	2.0	
108-88-3	Toluene		0.45	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.61	10	
120-82-1	1,2,4-Trichlorobenzene		0.50	2.0	
71-55-6	1,1,1-Trichloroethane		0.34	2.0	
79-00-5	1,1,2-Trichloroethane		0.37	2.0	
79-01-6	Trichloroethylene	0.94	0.38	2.0	J
75-69-4	Trichlorofluoromethane (Freon 11)		0.35	4.0	
76-13-1	1,1,2 Trichloro 1,2,2 trifluoroethane (Freon 1		0.45	2.0	
75-01-4	Vinyl Chloride		0.42	4.0	
1330-20-7	Xylenes (total)		2.0	2.0	

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Lab Trip Blank

Laboratory: Pace New England Work Order: 23A2674
 Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
 Matrix: Water Laboratory ID: 23A2674-05 File ID: C22V03009.D
 Sampled: 01/24/23 13:30 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 11:33
 Solids: Preparation: SW-846 5030B Dilution: 1
 Initial/Final: 5 mL / 5 mL
 Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.20	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	~~V-05~~
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.6	20	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform	0.71	0.17	2.0	J
74-87-3	Chloromethane		0.52	2.0	WJ
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	~~V-05~~
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
123-91-1	1,4-Dioxane		21	50	

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Lab Trip Blank

Laboratory: Pace New England Work Order: 23A2674
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN
Matrix: Water Laboratory ID: 23A2674-05 File ID: C22V03009.D
Sampled: 01/24/23 13:30 Prepared: 01/30/23 07:43 Analyzed: 01/30/23 11:33
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B329990 Sequence: S082590 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-41-4	Ethylbenzene		0.21	1.0	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
100-42-5	Styrene		0.11	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
1330-20-7	Xylenes (total)		1.0	1.0	

3/21/23

DATA USABILITY SUMMARY REPORT
473 PRESIDENT STREET, BROOKLYN, NEW YORK

Client: HRP Associates, In., Clifton Park, New York
SDG: 22J4293
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: 473 President Street, Brooklyn, New York
Date: February 17, 2023

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	HRP-MW-1_10.27.22	22J4293-01	Water
1MS	HRP-MW-1_10.27.22MS	22J4293-01MS	Water
1MSD	HRP-MW-1_10.27.22MSD	22J4293-01MSD	Water
2	DUP-1_10.27.22	22J4293-02	Water
3	FIELD BLANK_10.27.22	22J4293-03	Water
4	LAB TRIP BLANK	22J4293-04	Water

A Data Usability Summary Review was performed on the analytical data for two water samples, one aqueous field blank sample, and one aqueous trip blank sample collected on October 27, 2022 by HRP at the 473 President Street site in Brooklyn, New York. The samples were analyzed under Environmental Protection Agency (USEPA) "Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".

Specific method references are as follows:

Analysis
VOC

Method References
USEPA SW-846 Method 8260D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-33A, Revision 1, September 2016: Low/Medium Volatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Tentatively Identified Compounds (TICs)
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organic Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a

low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
1	1,4-Dioxane	68.7%/OK/OK	UJ
	Trichloroethylene	186%/289%/OK	None - 4X Rule Applies
	cis-1,2-Dichloroethylene	OK/131%/OK	J

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries (%R).

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table lists field QC samples with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U). For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Sample ID	Compound	Conc. ug/L	Qualifier	Affected Samples
FIELD BLANK_10.27.22	Acetone	2.9	None	All Samples ND
	Toluene	0.40	None	
LAB TRIP BLANK	None - ND	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Tentatively Identified Compounds (TICs)

- TICs were not detected.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

VOC				
Compound	HRP-MW-1_10.27.22 ug/L	DUP-1_10.27.22 ug/L	RPD	Qualifier
2-Butanone	4000U	440	NC	None
1,1-Dichloroethylene	30	36	18%	
Cis-1,2-Dichloroethylene	3400	3500	3%	
Methyl Cyclohexane	92	200U	NC	
Trichloroethylene	13000	14000	7%	
Vinyl Chloride	92	100	8%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver

Nancy Weaver
Senior Chemist

Dated: 2/19/23

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: HRP-MW-1_10.27.22

Sampled: 10/27/2022 11:28

Sample ID: 22J4293-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Benzene	ND	200	40	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromoform	ND	200	77	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
2-Butanone (MEK)	ND	4000	320	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200	V-05	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1-Dichloroethylene	30	200	28	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
cis-1,2-Dichloroethylene	J 3400	200	29	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
trans-1,2-Dichloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,4-Dioxane	WJ ND	10000	4100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methyl Cyclohexane	92	200	49	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Styrene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,2,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Tetrachloroethylene	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF

MW 2117123

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: HRP-MW-1_10.27.22

Sampled: 10/27/2022 11:28

Sample ID: 22J4293-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Trichloroethylene	13000	200	38	µg/L	200	MS-19	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Vinyl Chloride	92	400	42	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:31	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	11/2/22 3:31
Toluene-d8	98.5	70-130	11/2/22 3:31
4-Bromofluorobenzene	95.3	70-130	11/2/22 3:31

NW 2/17/23

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

2

Date Received: 10/28/2022

Field Sample #: DUP-1_10.27.22

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10000	410	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Benzene	ND	200	40	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromochloromethane	ND	200	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromodichloromethane	ND	100	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromoform	ND	200	77	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Bromomethane	ND	400	310	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
2-Butanone (MEK)	440	4000	320	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Carbon Disulfide	ND	1000	290	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Carbon Tetrachloride	ND	1000	33	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chlorobenzene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chlorodibromomethane	ND	100	44	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloroethane	ND	400	64	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloroform	ND	400	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Chloromethane	ND	400	100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Cyclohexane	ND	1000	350	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	160	µg/L	200	405	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dibromoethane (EDB)	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,3-Dichlorobenzene	ND	200	24	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,4-Dichlorobenzene	ND	200	26	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	400	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1-Dichloroethane	ND	200	28	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichloroethane	ND	200	62	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1-Dichloroethylene	36	200	28	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
cis-1,2-Dichloroethylene	3500	200	29	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
trans-1,2-Dichloroethylene	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2-Dichloropropane	ND	200	36	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
cis-1,3-Dichloropropene	ND	100	32	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
trans-1,3-Dichloropropene	ND	100	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,4-Dioxane	ND	10000	4100	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Ethylbenzene	ND	200	43	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
2-Hexanone (MBK)	ND	2000	220	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Isopropylbenzene (Cumene)	ND	200	22	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl Acetate	ND	200	91	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methyl Cyclohexane	ND	200	49	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Methylene Chloride	ND	1000	47	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	2000	260	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Styrene	ND	200	21	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2,2-Tetrachloroethane	ND	100	25	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Tetrachloroethylene	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Toluene	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2,3-Trichlorobenzene	ND	1000	61	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,2,4-Trichlorobenzene	ND	200	50	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF

2/17/23

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

2

Date Received: 10/28/2022

Field Sample #: DUP-I_10.27.22

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	200	34	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2-Trichloroethane	ND	200	37	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Trichloroethylene	14000	200	38	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Trichlorofluoromethane (Freon 11)	ND	400	35	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	45	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Vinyl Chloride	100	400	42	µg/L	200	J	SW-846 8260D	11/1/22	11/2/22 3:57	MFF
Xylenes (total)	ND	200	200	µg/L	200		SW-846 8260D	11/1/22	11/2/22 3:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.2	70-130	
4-Bromofluorobenzene	96.6	70-130	

22/17/23

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

3

Date Received: 10/28/2022

Field Sample #: Field Blank_10.27.22

Sampled: 10/27/2022 12:00

Sample ID: 22J4293-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.9	50	2.0	µg/L	1	J	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-02	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Toluene	0.40	1.0	0.22	µg/L	1	J	SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF

21.7/23

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

3

Date Received: 10/28/2022

Field Sample #: Field Blank_10.27.22

Sampled: 10/27/2022 12:00

Sample ID: 22J4293-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	97.1	70-130	
4-Bromofluorobenzene	95.6	70-130	

mw 2/17/23

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Lab Trip Blank

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	4.05	SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF

21.7123

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

Project Location: 473 President Street, Brooklyn, N

Sample Description:

Work Order: 22J4293

Date Received: 10/28/2022

Field Sample #: Lab Trip Blank

Sampled: 10/27/2022 00:00

Sample ID: 22J4293-04

Sample Matrix: Ground Water

4

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/1/22	11/2/22 0:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	98.1	70-130	
4-Bromofluorobenzene	96.2	70-130	

new 2/17/23

**DATA USABILITY SUMMARY REPORT
473 PRESIDENT STREET, BROOKLYN, NEW YORK**

Client: HRP Associates, In., Clifton Park, New York
SDG: 22J4339
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: 473 President Street, Brooklyn, New York
Date: February 17, 2023

EDS ID	Client ID	Laboratory ID	Matrix
1	SV-9_10.27.22	22J4339-01	Air
2	DUP-1_10.27.22	22J4339-02	Air
3	OA-1_10.27.22	22J4339-03	Air

A Data Usability Summary Review was performed on the analytical data for three air samples collected on October 27, 2022 by HRP at the 473 President Street site in Brooklyn, New York. The samples were analyzed under "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)".

Specific method references are as follows:

Analysis
VOCs

Method References
USEPA Method TO-15

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation

- Laboratory Control Sample (LCS) recoveries
- GC/MS Tuning
- Method Blank Contamination
- Initial and Continuing Calibration Summaries
- Surrogate Recoveries
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Cover letter, Narrative, and Data Reporting Forms

- All criteria were met.

Canister Certification Blanks

- The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences

- All criteria were met.

Chains-of-Custody and Traffic Reports

- All criteria were met.

Holding Times

- All samples were analyzed within 30 days for air samples.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
BS322593-BS1	Ethanol	55.3%	J	1, 2, 3
	Isopropanol	63.1%	J	

GC/MS Tuning

- All criteria were met.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- All %RSD and mean RRF criteria were met.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
11/04/22	Ethanol	32.1%	None	See LCS

Surrogate Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

VOC				
Compound	SV-9_10.27.22 ug/m3	DUP-1_10.27.22 ug/m3	RPD	Qualifier
Acetone	12	14	15%	None
Carbon Disulfide	1.0	1.1	10%	
Chloroform	9.1	10	9%	
Dichlorodifluoromethane	2.2	2.0	10%	
Ethanol	12	12	0%	
Isopropanol	96	110	14%	
Tetrachloroethylene	1.3	1.7	27%	
Toluene	0.60	0.62	3%	
Trichloroethylene	1.8	2.1	15%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver
Nancy Weaver
Senior Chemist

Dated: 2/19/23

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

ANALYTICAL RESULTS

Project Location: 473 President St. Brooklyn, NY
 Date Received: 10/28/2022
 Field Sample #: SV-9-10.27.22
 Sample ID: 22J4339-01
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1162
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Acetone	5.1	8.0	4.8	J	12	19	11	4	11/4/22 20:26	CMR
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	11/4/22 20:26	CMR
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/4/22 20:26	CMR
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/4/22 20:26	CMR
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/4/22 20:26	CMR
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/4/22 20:26	CMR
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/4/22 20:26	CMR
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/4/22 20:26	CMR
Carbon Disulfide	0.33	2.0	0.18	J	1.0	6.2	0.58	4	11/4/22 20:26	CMR
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/4/22 20:26	CMR
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/4/22 20:26	CMR
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/4/22 20:26	CMR
Chloroform	1.9	0.20	0.19		9.1	0.98	0.93	4	11/4/22 20:26	CMR
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/4/22 20:26	CMR
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/4/22 20:26	CMR
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/4/22 20:26	CMR
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/4/22 20:26	CMR
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/4/22 20:26	CMR
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/4/22 20:26	CMR
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/4/22 20:26	CMR
Dichlorodifluoromethane (Freon 12)	0.44	0.20	0.20		2.2	0.99	0.97	4	11/4/22 20:26	CMR
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/4/22 20:26	CMR
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/4/22 20:26	CMR
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/4/22 20:26	CMR
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/4/22 20:26	CMR
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/4/22 20:26	CMR
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/4/22 20:26	CMR
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/4/22 20:26	CMR
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/4/22 20:26	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/4/22 20:26	CMR
1,4-Dioxane	ND	2.0	0.17		ND	1.2	0.60	4	11/4/22 20:26	CMR
Ethanol	6.1 J	8.0	3.5	V.05, L.03, J	12	15	6.6	4	11/4/22 20:26	CMR
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/4/22 20:26	CMR
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/4/22 20:26	CMR
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/4/22 20:26	CMR
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/4/22 20:26	CMR
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	11/4/22 20:26	CMR
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/4/22 20:26	CMR
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/4/22 20:26	CMR
Isopropanol	39 J	8.0	1.4	L.03	96	20	3.4	4	11/4/22 20:26	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/4/22 20:26	CMR
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/4/22 20:26	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/4/22 20:26	CMR
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/4/22 20:26	CMR
Propene	ND	8.0	1.8		ND	14	3.0	4	11/4/22 20:26	CMR
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/4/22 20:26	CMR
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/4/22 20:26	CMR

mw 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
Field Sample #: SV-9-10.27.22
Sample ID: 22J4339-01
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1162
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time	
	Results	RL	MDL		Results	RL	MDL		Analyzed	Analyst
Tetrachloroethylene	0.22	0.20	0.15		1.5	1.4	1.0	4	11/4/22 20:26	CMR
Tetrahydrofuran	ND	2.0	0.33		ND	5.9	0.97	4	11/4/22 20:26	CMR
Toluene	0.16	0.20	0.11		0.60	0.75	0.43	4	11/4/22 20:26	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19		ND	1.5	1.4	4	11/4/22 20:26	CMR
1,1,1-Trichloroethane	ND	0.20	0.16		ND	1.1	0.86	4	11/4/22 20:26	CMR
1,1,2-Trichloroethane	ND	0.20	0.14		ND	1.1	0.77	4	11/4/22 20:26	CMR
Trichloroethylene	0.34	0.20	0.13		1.8	1.1	0.72	4	11/4/22 20:26	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24		ND	4.5	1.3	4	11/4/22 20:26	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22		ND	6.1	1.7	4	11/4/22 20:26	CMR
1,2,4-Trimethylbenzene	ND	0.20	0.088		ND	0.98	0.43	4	11/4/22 20:26	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11		ND	0.98	0.52	4	11/4/22 20:26	CMR
Vinyl Acetate	ND	4.0	1.1		ND	14	3.8	4	11/4/22 20:26	CMR
Vinyl Chloride	ND	0.20	0.18		ND	0.51	0.46	4	11/4/22 20:26	CMR
m&p-Xylene	ND	0.40	0.22		ND	1.7	0.97	4	11/4/22 20:26	CMR
o-Xylene	ND	0.20	0.10		ND	0.87	0.44	4	11/4/22 20:26	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	11/4/22 20:26

NW 2/17/23

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
 Field Sample #: DUP-1-10.27.22
 Sample ID: 22J4339-02
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1886
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				ug/m3				Date/Time		Analyst
	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed		
Acetone	5.8	8.0	4.8	J	14	19	11	4	11/4/22 21:07	CMR	
Benzene	ND	0.20	0.15		ND	0.64	0.48	4	11/4/22 21:07	CMR	
Benzyl chloride	ND	0.20	0.18		ND	1.0	0.91	4	11/4/22 21:07	CMR	
Bromodichloromethane	ND	0.20	0.14		ND	1.3	0.94	4	11/4/22 21:07	CMR	
Bromoform	ND	0.20	0.14		ND	2.1	1.4	4	11/4/22 21:07	CMR	
Bromomethane	ND	0.20	0.13		ND	0.78	0.52	4	11/4/22 21:07	CMR	
1,3-Butadiene	ND	0.20	0.17		ND	0.44	0.37	4	11/4/22 21:07	CMR	
2-Butanone (MEK)	ND	8.0	2.1		ND	24	6.3	4	11/4/22 21:07	CMR	
Carbon Disulfide	0.36	2.0	0.18	J	1.1	6.2	0.58	4	11/4/22 21:07	CMR	
Carbon Tetrachloride	ND	0.20	0.16		ND	1.3	1.0	4	11/4/22 21:07	CMR	
Chlorobenzene	ND	0.20	0.13		ND	0.92	0.61	4	11/4/22 21:07	CMR	
Chloroethane	ND	0.20	0.18		ND	0.53	0.47	4	11/4/22 21:07	CMR	
Chloroform	2.1	0.20	0.19		10	0.98	0.93	4	11/4/22 21:07	CMR	
Chloromethane	ND	0.40	0.16		ND	0.83	0.33	4	11/4/22 21:07	CMR	
Cyclohexane	ND	0.20	0.12		ND	0.69	0.42	4	11/4/22 21:07	CMR	
Dibromochloromethane	ND	0.20	0.13		ND	1.7	1.1	4	11/4/22 21:07	CMR	
1,2-Dibromoethane (EDB)	ND	0.20	0.12		ND	1.5	0.93	4	11/4/22 21:07	CMR	
1,2-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.69	4	11/4/22 21:07	CMR	
1,3-Dichlorobenzene	ND	0.20	0.11		ND	1.2	0.67	4	11/4/22 21:07	CMR	
1,4-Dichlorobenzene	ND	0.20	0.13		ND	1.2	0.79	4	11/4/22 21:07	CMR	
Dichlorodifluoromethane (Freon 12)	0.41	0.20	0.20		2.0	0.99	0.97	4	11/4/22 21:07	CMR	
1,1-Dichloroethane	ND	0.20	0.17		ND	0.81	0.71	4	11/4/22 21:07	CMR	
1,2-Dichloroethane	ND	0.20	0.18		ND	0.81	0.73	4	11/4/22 21:07	CMR	
1,1-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.60	4	11/4/22 21:07	CMR	
cis-1,2-Dichloroethylene	ND	0.20	0.15		ND	0.79	0.58	4	11/4/22 21:07	CMR	
trans-1,2-Dichloroethylene	ND	0.20	0.16		ND	0.79	0.62	4	11/4/22 21:07	CMR	
1,2-Dichloropropane	ND	0.20	0.11		ND	0.92	0.50	4	11/4/22 21:07	CMR	
cis-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.47	4	11/4/22 21:07	CMR	
trans-1,3-Dichloropropene	ND	0.20	0.10		ND	0.91	0.46	4	11/4/22 21:07	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	0.20		ND	1.4	1.4	4	11/4/22 21:07	CMR	
1,4-Dioxane	ND	2.0	0.17		ND	7.2	0.60	4	11/4/22 21:07	CMR	
Ethanol	6.5 J	8.0	3.5	E-03, V-05, J	12	15	6.6	4	11/4/22 21:07	CMR	
Ethyl Acetate	ND	2.0	1.0		ND	7.2	3.6	4	11/4/22 21:07	CMR	
Ethylbenzene	ND	0.20	0.12		ND	0.87	0.51	4	11/4/22 21:07	CMR	
4-Ethyltoluene	ND	0.20	0.12		ND	0.98	0.60	4	11/4/22 21:07	CMR	
Heptane	ND	0.20	0.13		ND	0.82	0.52	4	11/4/22 21:07	CMR	
Hexachlorobutadiene	ND	0.20	0.16		ND	2.1	1.8	4	11/4/22 21:07	CMR	
Hexane	ND	8.0	1.0		ND	28	3.7	4	11/4/22 21:07	CMR	
2-Hexanone (MBK)	ND	0.20	0.10		ND	0.82	0.41	4	11/4/22 21:07	CMR	
Isopropanol	43 J	8.0	1.4	E-03	110	20	3.4	4	11/4/22 21:07	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	0.15		ND	0.72	0.56	4	11/4/22 21:07	CMR	
Methylene Chloride	ND	2.0	0.93		ND	6.9	3.2	4	11/4/22 21:07	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.11		ND	0.82	0.44	4	11/4/22 21:07	CMR	
Naphthalene	ND	0.20	0.15		ND	1.0	0.79	4	11/4/22 21:07	CMR	
Propene	ND	8.0	1.8		ND	14	3.0	4	11/4/22 21:07	CMR	
Styrene	ND	0.20	0.11		ND	0.85	0.45	4	11/4/22 21:07	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20	0.11		ND	1.4	0.74	4	11/4/22 21:07	CMR	

nw 2/17/23

2

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
 Field Sample #: DUP-1-10.27.22
 Sample ID: 22J4339-02
 Sample Matrix: Soil Gas
 Sampled: 10/27/2022 12:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1886
 Canister Size: 6 liter
 Flow Controller ID: 4316
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv				Flag/Qual	ug/m3			Date/Time		
	Results	RL	MDL	Results		RL	MDL	Dilution	Analyzed	Analyst	
Tetrachloroethylene	0.24	0.20	0.15			1.7	1.4	1.0	4	11/4/22 21:07	CMR
Tetrahydrofuran	ND	2.0	0.33			ND	5.9	0.97	4	11/4/22 21:07	CMR
Toluene	0.16	0.20	0.11	J		0.62	0.75	0.43	4	11/4/22 21:07	CMR
1,2,4-Trichlorobenzene	ND	0.20	0.19			ND	1.5	1.4	4	11/4/22 21:07	CMR
1,1,1-Trichloroethane	ND	0.20	0.16			ND	1.1	0.86	4	11/4/22 21:07	CMR
1,1,2-Trichloroethane	ND	0.20	0.14			ND	1.1	0.77	4	11/4/22 21:07	CMR
Trichloroethylene	0.40	0.20	0.13			2.1	1.1	0.72	4	11/4/22 21:07	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80	0.24			ND	4.5	1.3	4	11/4/22 21:07	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	0.22			ND	6.1	1.7	4	11/4/22 21:07	CMR
1,2,4-Trimethylbenzene	ND	0.20	0.088			ND	0.98	0.43	4	11/4/22 21:07	CMR
1,3,5-Trimethylbenzene	ND	0.20	0.11			ND	0.98	0.52	4	11/4/22 21:07	CMR
Vinyl Acetate	ND	4.0	1.1			ND	14	3.8	4	11/4/22 21:07	CMR
Vinyl Chloride	ND	0.20	0.18			ND	0.51	0.46	4	11/4/22 21:07	CMR
m&p-Xylene	ND	0.40	0.22			ND	1.7	0.97	4	11/4/22 21:07	CMR
o-Xylene	ND	0.20	0.10			ND	0.87	0.44	4	11/4/22 21:07	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.8	70-130	11/4/22 21:07

~ 2/14/23

3

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
 Field Sample #: OA-1-10.27.22
 Sample ID: 22J4339-03
 Sample Matrix: Ambient Air
 Sampled: 10/27/2022 12:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1936
 Canister Size: 6 liter
 Flow Controller ID: 4439
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv			Flag/Qual	ug/m3			Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL	MDL		Analyzed		
Acetone	3.8	1.4	0.84		9.1	3.3	2.0	0.696	11/4/22 19:45		CMR
Benzene	0.097	0.035	0.026		0.31	0.11	0.084	0.696	11/4/22 19:45		CMR
Benzyl chloride	ND	0.035	0.031		ND	0.18	0.16	0.696	11/4/22 19:45		CMR
Bromodichloromethane	ND	0.035	0.024		ND	0.23	0.16	0.696	11/4/22 19:45		CMR
Bromoform	ND	0.035	0.024		ND	0.36	0.24	0.696	11/4/22 19:45		CMR
Bromomethane	ND	0.035	0.023		ND	0.14	0.090	0.696	11/4/22 19:45		CMR
1,3-Butadiene	ND	0.035	0.029		ND	0.077	0.065	0.696	11/4/22 19:45		CMR
2-Butanone (MEK)	0.46	1.4	0.37	J	1.4	4.1	1.1	0.696	11/4/22 19:45		CMR
Carbon Disulfide	ND	0.35	0.032		ND	1.1	0.10	0.696	11/4/22 19:45		CMR
Carbon Tetrachloride	0.070	0.035	0.028		0.44	0.22	0.17	0.696	11/4/22 19:45		CMR
Chlorobenzene	ND	0.035	0.023		ND	0.16	0.11	0.696	11/4/22 19:45		CMR
Chloroethane	ND	0.035	0.031		ND	0.092	0.081	0.696	11/4/22 19:45		CMR
Chloroform	ND	0.035	0.033		ND	0.17	0.16	0.696	11/4/22 19:45		CMR
Chloromethane	0.42	0.070	0.028		0.87	0.14	0.057	0.696	11/4/22 19:45		CMR
Cyclohexane	ND	0.035	0.021		ND	0.12	0.072	0.696	11/4/22 19:45		CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.696	11/4/22 19:45		CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.021		ND	0.27	0.16	0.696	11/4/22 19:45		CMR
1,2-Dichlorobenzene	ND	0.035	0.020		ND	0.21	0.12	0.696	11/4/22 19:45		CMR
1,3-Dichlorobenzene	ND	0.035	0.019		ND	0.21	0.12	0.696	11/4/22 19:45		CMR
1,4-Dichlorobenzene	ND	0.035	0.023		ND	0.21	0.14	0.696	11/4/22 19:45		CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.035	0.034		1.0	0.17	0.17	0.696	11/4/22 19:45		CMR
1,1-Dichloroethane	ND	0.035	0.030		ND	0.14	0.12	0.696	11/4/22 19:45		CMR
1,2-Dichloroethane	ND	0.035	0.032		ND	0.14	0.13	0.696	11/4/22 19:45		CMR
1,1-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.696	11/4/22 19:45		CMR
cis-1,2-Dichloroethylene	ND	0.035	0.025		ND	0.14	0.10	0.696	11/4/22 19:45		CMR
trans-1,2-Dichloroethylene	ND	0.035	0.027		ND	0.14	0.11	0.696	11/4/22 19:45		CMR
1,2-Dichloropropane	ND	0.035	0.019		ND	0.16	0.087	0.696	11/4/22 19:45		CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.082	0.696	11/4/22 19:45		CMR
trans-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.081	0.696	11/4/22 19:45		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.034		ND	0.24	0.24	0.696	11/4/22 19:45		CMR
1,4-Dioxane	ND	0.35	0.029		ND	1.3	0.10	0.696	11/4/22 19:45		CMR
Ethanol	6.7 J	1.4	0.61	~~1-03-V-05~~	13	2.6	1.2	0.696	11/4/22 19:45		CMR
Ethyl Acetate	ND	0.35	0.18		ND	1.3	0.63	0.696	11/4/22 19:45		CMR
Ethylbenzene	0.029	0.035	0.020	J	0.12	0.15	0.088	0.696	11/4/22 19:45		CMR
4-Ethyltoluene	ND	0.035	0.021		ND	0.17	0.11	0.696	11/4/22 19:45		CMR
Heptane	0.047	0.035	0.022		0.19	0.14	0.091	0.696	11/4/22 19:45		CMR
Hexachlorobutadiene	ND	0.035	0.029		ND	0.37	0.31	0.696	11/4/22 19:45		CMR
Hexane	ND	1.4	0.18		ND	4.9	0.64	0.696	11/4/22 19:45		CMR
2-Hexanone (MBK)	0.11	0.035	0.017		0.44	0.14	0.071	0.696	11/4/22 19:45		CMR
Isopropanol	3.8 J	1.4	0.24	~~1-03~~	9.2	3.4	0.59	0.696	11/4/22 19:45		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.027		ND	0.13	0.097	0.696	11/4/22 19:45		CMR
Methylene Chloride	ND	0.35	0.16		ND	1.2	0.56	0.696	11/4/22 19:45		CMR
4-Methyl-2-pentanone (MIBK)	0.064	0.035	0.019		0.26	0.14	0.076	0.696	11/4/22 19:45		CMR
Naphthalene	0.035	0.035	0.026		0.19	0.18	0.14	0.696	11/4/22 19:45		CMR
Propene	0.39	1.4	0.31	J	0.67	2.4	0.53	0.696	11/4/22 19:45		CMR
Styrene	ND	0.035	0.018		ND	0.15	0.078	0.696	11/4/22 19:45		CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.019		ND	0.24	0.13	0.696	11/4/22 19:45		CMR

nw 2/17/23

3

ANALYTICAL RESULTS

Project Location: 473 President St, Brooklyn, NY
 Date Received: 10/28/2022
 Field Sample #: OA-1-10.27.22
 Sample ID: 22J4339-03
 Sample Matrix: Ambient Air
 Sampled: 10/27/2022 12:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1936
 Canister Size: 6 liter
 Flow Controller ID: 4439
 Sample Type: 2 hr

Work Order: 22J4339
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -11
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	Results	ppbv		Flag/Qual	Results	ug/m3		Dilution	Date/Time	
		RL	MDL			RL	MDL		Analyzed	Analyst
Tetrachloroethylene	ND	0.035	0.027		ND	0.24	0.18	0.696	11/4/22 19:45	CMR
Tetrahydrofuran	ND	0.35	0.057		ND	1.0	0.17	0.696	11/4/22 19:45	CMR
Toluene	0.19	0.035	0.020		0.71	0.13	0.075	0.696	11/4/22 19:45	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.032		ND	0.26	0.24	0.696	11/4/22 19:45	CMR
1,1,1-Trichloroethane	ND	0.035	0.027		ND	0.19	0.15	0.696	11/4/22 19:45	CMR
1,1,2-Trichloroethane	ND	0.035	0.024		ND	0.19	0.13	0.696	11/4/22 19:45	CMR
Trichloroethylene	ND	0.035	0.023		ND	0.19	0.13	0.696	11/4/22 19:45	CMR
Trichlorofluoromethane (Freon 11)	0.18	0.14	0.041		1.00	0.78	0.23	0.696	11/4/22 19:45	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.052	0.14	0.039	J	0.40	1.1	0.30	0.696	11/4/22 19:45	CMR
1,2,4-Trimethylbenzene	0.033	0.035	0.015	J	0.16	0.17	0.076	0.696	11/4/22 19:45	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.018		ND	0.17	0.090	0.696	11/4/22 19:45	CMR
Vinyl Acetate	ND	0.70	0.19		ND	2.5	0.66	0.696	11/4/22 19:45	CMR
Vinyl Chloride	ND	0.035	0.031		ND	0.089	0.080	0.696	11/4/22 19:45	CMR
m&p-Xylene	0.085	0.070	0.039		0.37	0.30	0.17	0.696	11/4/22 19:45	CMR
o-Xylene	0.034	0.035	0.018	J	0.15	0.15	0.077	0.696	11/4/22 19:45	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	11/4/22 19:45

nw 2/17/23

DATA USABILITY SUMMARY REPORT
473 PRESIDENT STREET, BROOKLYN, NEW YORK

Client: HRP Associates, In., Clifton Park, New York
SDG: 23A2216
Laboratory: Con-Test, East Longmeadow, Massachusetts
Site: 473 President Street, Brooklyn, New York
Date: April 13, 2023

EDS ID	Client ID	Laboratory ID	Matrix
1	SV-18-1.18.23	23A2216-01	Air
2	DUP-1.18.23	23A2216-02	Air
3	OA-1.18.23	23A2216-03	Air
4	SV-16-1.18.23	23A2216-04	Air
5	SV-15-1.18.23	23A2216-05	Air
6	SV-17-1.18.23	23A2216-06	Air

A Data Usability Summary Review was performed on the analytical data for six air samples collected on January 18, 2023 by HRP at the 473 President Street site in Brooklyn, New York. The samples were analyzed under "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)".

Specific method references are as follows:

Analysis
VOCs

Method References
USEPA Method TO-15

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Cover letter, Narrative, and Data Reporting Forms
- Canister Certification Blanks

- Canister Certification Pressures Differences
- Chains-of-Custody and Traffic Reports
- Holding Times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- GC/MS Tuning
- Method Blank Contamination
- Initial and Continuing Calibration Summaries
- Surrogate Recoveries
- Compound Quantitation
- Internal Standard (IS) Area Performance
- Field Duplicate Sample Precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Cover letter, Narrative, and Data Reporting Forms

- All criteria were met.

Canister Certification Blanks

- The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences

- All criteria were met.

Chains-of-Custody and Traffic Reports

- All criteria were met.

Holding Times

- All samples were analyzed within 30 days for air samples.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B330682-BS1	Acrolein	51.4%	J/UJ	1, 2, 4
	1,3-Butadiene	69.5%	J/UJ	
	Chloroethane	68.5%	J/UJ	
	Ethanol	66.3%	J/UJ	
	Isopropanol	68.4%	J/UJ	
B330948-BS1	Acrolein	67.8%	UJ	3, 5, 6

GC/MS Tuning

- All criteria were met.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- All %RSD and mean RRF criteria were met.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for

project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
02/02/23	Acrolein	38.6%	None	See LCS
	Chloroethane	36.5%	None	
	Ethanol	45.7%	None	
	Isopropanol	34.6%	None	
02/06/23	Chloromethane	30.6%	J/UJ	3, 5, 6
	Ethanol	32.8%	J	
	4-Methyl-2-pentanone	31.9%	UJ	

Surrogate Recoveries

- All samples exhibited acceptable surrogate percent recoveries (%R).

Compound Quantitation

- Several samples were analyzed at a dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

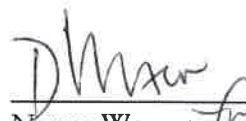
Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

VOC				
Compound	SV-18-1.18.23 ppbv	DUP-1.18.23 ppbv	RPD	Qualifier
Benzene	4.9	5.0	2%	None
Carbon Disulfide	8.2	9.8	18%	
Chloroform	16	18	12%	
Cyclohexane	2700	3400	23%	
Ethylbenzene	2.0	2.2	10%	
Heptane	3.5	3.8	8%	
Hexane	16U	17	NC	
Tetrachloroethylene	4.3	3.0U	NC	
Toluene	7.7	9.2	18%	
m&p-Xylene	5.7	6.3	10%	
o-Xylene	1.7	1.9	11%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:



Nancy Weaver
Senior Chemist

Dated: 4/13/23

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

1 - FORM I ANALYSIS DATA SHEET

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SV-18-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-01
		File ID:	G23A033024.D
Sampled:	01/18/23 09:55	Prepared:	02/02/23 00:00
		Analyzed:	02/03/23 05:26
Solids:		Preparation:	TO-15 Prep
		Dilution:	60
Initial/Final:	400 mL / 400 mL		
Batch:	B330682	Sequence:	S082839
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		72	120	
107-02-8	Acrolein		15	60	~~4J L-03, V-05~~
71-43-2	Benzene	4.9	2.3	3.0	
100-44-7	Benzyl chloride		2.6	3.0	
75-27-4	Bromodichloromethane		2.1	3.0	
75-25-2	Bromoform		2.0	3.0	
74-83-9	Bromomethane		2.0	3.0	
106-99-0	1,3-Butadiene		2.5	3.0	~~4J L-03~~
78-93-3	2-Butanone (MEK)		32	120	
75-15-0	Carbon Disulfide	8.2	2.8	30	J
56-23-5	Carbon Tetrachloride		2.4	3.0	
108-90-7	Chlorobenzene		2.0	3.0	
75-00-3	Chloroethane		2.7	3.0	~~4J L-03, V-05~~
67-66-3	Chloroform	16	2.8	3.0	
74-87-3	Chloromethane		2.4	6.0	
110-82-7	Cyclohexane	2700	1.8	3.0	
124-48-1	Dibromochloromethane		2.0	3.0	
106-93-4	1,2-Dibromoethane (EDB)		1.8	3.0	
95-50-1	1,2-Dichlorobenzene		1.7	3.0	
541-73-1	1,3-Dichlorobenzene		1.7	3.0	
106-46-7	1,4-Dichlorobenzene		2.0	3.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		2.9	3.0	
75-34-3	1,1-Dichloroethane		2.6	3.0	
107-06-2	1,2-Dichloroethane		2.7	3.0	
75-35-4	1,1-Dichloroethylene		2.3	3.0	
156-59-2	cis-1,2-Dichloroethylene		2.2	3.0	
156-60-5	trans-1,2-Dichloroethylene		2.4	3.0	
78-87-5	1,2-Dichloropropane		1.6	3.0	
10061-01-5	cis-1,3-Dichloropropene		1.6	3.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		3.0	3.0	

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SV-18-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-01
		File ID:	G23A033024.D
Sampled:	01/18/23 09:55	Prepared:	02/02/23 00:00
		Analyzed:	02/03/23 05:26
Solids:		Preparation:	TO-15 Prep
		Dilution:	60
Initial/Final:	400 mL / 400 mL		
Batch:	B330682	Sequence:	S082839
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		2.5	30	
64-17-5	Ethanol		53	120	~~UJ L-03, V-05~~
141-78-6	Ethyl Acetate		15	30	
100-41-4	Ethylbenzene	2.0	1.8	3.0	J
622-96-8	4-Ethyltoluene		1.8	3.0	
142-82-5	Heptane	3.5	1.9	3.0	
87-68-3	Hexachlorobutadiene		2.5	3.0	
110-54-3	Hexane		16	120	
591-78-6	2-Hexanone (MBK)		1.5	3.0	
67-63-0	Isopropanol		21	120	~~UJ L-03, V-05~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		2.3	3.0	
75-09-2	Methylene Chloride		14	30	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.6	3.0	
91-20-3	Naphthalene		2.3	3.0	
115-07-1	Propene		26	120	
100-42-5	Styrene		1.6	3.0	
79-34-5	1,1,2,2-Tetrachloroethane		1.6	3.0	
127-18-4	Tetrachloroethylene	4.3	2.3	3.0	
109-99-9	Tetrahydrofuran		4.9	30	
108-88-3	Toluene	7.7	1.7	3.0	
120-82-1	1,2,4-Trichlorobenzene		2.8	3.0	
71-55-6	1,1,1-Trichloroethane		2.4	3.0	
79-00-5	1,1,2-Trichloroethane		2.1	3.0	
79-01-6	Trichloroethylene		2.0	3.0	
75-69-4	Trichlorofluoromethane (Freon 11)		3.5	12	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		3.3	12	
95-63-6	1,2,4-Trimethylbenzene		1.3	3.0	
108-67-8	1,3,5-Trimethylbenzene		1.6	3.0	
108-05-4	Vinyl Acetate		16	30	
75-01-4	Vinyl Chloride		2.7	3.0	

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SV-18-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-01 File ID: G23A033024.D
Sampled: 01/18/23 09:55 Prepared: 02/02/23 00:00 Analyzed: 02/03/23 05:26
Solids: Preparation: TO-15 Prep Dilution: 60
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	5.7	3.4	6.0	J
95-47-6	o-Xylene	1.7	1.5	3.0	J

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DUP-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-02
		File ID:	G23A033026.D
Sampled:	01/18/23 09:55	Prepared:	02/02/23 00:00
		Analyzed:	02/03/23 07:15
Solids:		Preparation:	TO-15 Prep
		Dilution:	60
Initial/Final:	400 mL / 400 mL		
Batch:	B330682	Sequence:	S082839
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone		72	120	
107-02-8	Acrolein		15	60	uJ L-03, V-05
71-43-2	Benzene	5.0	2.3	3.0	
100-44-7	Benzyl chloride		2.6	3.0	
75-27-4	Bromodichloromethane		2.1	3.0	
75-25-2	Bromoform		2.0	3.0	
74-83-9	Bromomethane		2.0	3.0	
106-99-0	1,3-Butadiene		2.5	3.0	uJ L-03
78-93-3	2-Butanone (MEK)		32	120	
75-15-0	Carbon Disulfide	9.8	2.8	30	J
56-23-5	Carbon Tetrachloride		2.4	3.0	
108-90-7	Chlorobenzene		2.0	3.0	
75-00-3	Chloroethane		2.7	3.0	uJ L-03, V-05
67-66-3	Chloroform	18	2.8	3.0	
74-87-3	Chloromethane		2.4	6.0	
124-48-1	Dibromochloromethane		2.0	3.0	
106-93-4	1,2-Dibromoethane (EDB)		1.8	3.0	
95-50-1	1,2-Dichlorobenzene		1.7	3.0	
541-73-1	1,3-Dichlorobenzene		1.7	3.0	
106-46-7	1,4-Dichlorobenzene		2.0	3.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		2.9	3.0	
75-34-3	1,1-Dichloroethane		2.6	3.0	
107-06-2	1,2-Dichloroethane		2.7	3.0	
75-35-4	1,1-Dichloroethylene		2.3	3.0	
156-59-2	cis-1,2-Dichloroethylene		2.2	3.0	
156-60-5	trans-1,2-Dichloroethylene		2.4	3.0	
78-87-5	1,2-Dichloropropane		1.6	3.0	
10061-01-5	cis-1,3-Dichloropropene		1.6	3.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		3.0	3.0	
123-91-1	1,4-Dioxane		2.5	30	

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DUP-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-02
		File ID:	G23A033026.D
Sampled:	01/18/23 09:55	Prepared:	02/02/23 00:00
		Analyzed:	02/03/23 07:15
Solids:		Preparation:	TO-15 Prep
		Dilution:	60
Initial/Final:	400 mL / 400 mL		
Batch:	B330682	Sequence:	S082839
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol		53	120	~~UJ L-03, V-05~~
141-78-6	Ethyl Acetate		15	30	
100-41-4	Ethylbenzene	2.2	1.8	3.0	J
622-96-8	4-Ethyltoluene		1.8	3.0	
142-82-5	Heptane	3.8	1.9	3.0	
87-68-3	Hexachlorobutadiene		2.5	3.0	
110-54-3	Hexane	17	16	120	J
591-78-6	2-Hexanone (MBK)		1.5	3.0	
67-63-0	Isopropanol		21	120	~~UJ L-03, V-05~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		2.3	3.0	
75-09-2	Methylene Chloride		14	30	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.6	3.0	
91-20-3	Naphthalene		2.3	3.0	
115-07-1	Propene		26	120	
100-42-5	Styrene		1.6	3.0	
79-34-5	1,1,2,2-Tetrachloroethane		1.6	3.0	
127-18-4	Tetrachloroethylene		2.3	3.0	
109-99-9	Tetrahydrofuran		4.9	30	
108-88-3	Toluene	9.2	1.7	3.0	
120-82-1	1,2,4-Trichlorobenzene		2.8	3.0	
71-55-6	1,1,1-Trichloroethane		2.4	3.0	
79-00-5	1,1,2-Trichloroethane		2.1	3.0	
79-01-6	Trichloroethylene		2.0	3.0	
75-69-4	Trichlorofluoromethane (Freon 11)		3.5	12	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		3.3	12	
95-63-6	1,2,4-Trimethylbenzene		1.3	3.0	
108-67-8	1,3,5-Trimethylbenzene		1.6	3.0	
108-05-4	Vinyl Acetate		16	30	
75-01-4	Vinyl Chloride		2.7	3.0	
1330-20-7P/M	m&p-Xylene	6.3	3.4	6.0	

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DUP-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-02 File ID: G23A033026.D
Sampled: 01/18/23 09:55 Prepared: 02/02/23 00:00 Analyzed: 02/03/23 07:15
Solids: Preparation: TO-15 Prep Dilution: 60
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
95-47-6	o-Xylene	1.9	1.5	3.0	J

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DUP-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-02RE1 File ID: G23A033027.D
Sampled: 01/18/23 09:55 Prepared: 02/02/23 00:00 Analyzed: 02/03/23 08:09
Solids: Preparation: TO-15 Prep Dilution: 600
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
110-82-7	Cyclohexane	3400	18	30	

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OA-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-03 File ID: G23A037012.D
Sampled: 01/18/23 09:50 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 18:33
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	1.9	1.2	2.0	J
107-02-8	Acrolein		0.25	1.0	UJ ~~L-03~~
71-43-2	Benzene	0.097	0.038	0.050	
100-44-7	Benzyl chloride		0.044	0.050	
75-27-4	Bromodichloromethane		0.035	0.050	
75-25-2	Bromoform		0.034	0.050	
74-83-9	Bromomethane		0.033	0.050	
106-99-0	1,3-Butadiene	0.051	0.042	0.050	
78-93-3	2-Butanone (MEK)		0.53	2.0	
75-15-0	Carbon Disulfide		0.046	0.50	
56-23-5	Carbon Tetrachloride		0.040	0.050	
108-90-7	Chlorobenzene		0.033	0.050	
75-00-3	Chloroethane		0.044	0.050	
67-66-3	Chloroform		0.048	0.050	
74-87-3	Chloromethane	0.15	0.040	0.10	UJ ~~V-05~~
110-82-7	Cyclohexane		0.030	0.050	
124-48-1	Dibromochloromethane		0.033	0.050	
106-93-4	1,2-Dibromoethane (EDB)		0.030	0.050	
95-50-1	1,2-Dichlorobenzene		0.029	0.050	
541-73-1	1,3-Dichlorobenzene		0.028	0.050	
106-46-7	1,4-Dichlorobenzene		0.033	0.050	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.12	0.049	0.050	
75-34-3	1,1-Dichloroethane		0.044	0.050	
107-06-2	1,2-Dichloroethane		0.045	0.050	
75-35-4	1,1-Dichloroethylene		0.038	0.050	
156-59-2	cis-1,2-Dichloroethylene		0.036	0.050	
156-60-5	trans-1,2-Dichloroethylene		0.039	0.050	
78-87-5	1,2-Dichloropropane		0.027	0.050	
10061-01-5	cis-1,3-Dichloropropene		0.026	0.050	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.049	0.050	

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OA-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-03 File ID: G23A037012.D
Sampled: 01/18/23 09:50 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 18:33
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.042	0.50	
64-17-5	Ethanol	2.1	0.88	2.0	J V-05
141-78-6	Ethyl Acetate		0.25	0.50	
100-41-4	Ethylbenzene	0.030	0.029	0.050	J
622-96-8	4-Ethyltoluene		0.031	0.050	
142-82-5	Heptane		0.032	0.050	
87-68-3	Hexachlorobutadiene		0.041	0.050	
110-54-3	Hexane		0.26	2.0	
591-78-6	2-Hexanone (MBK)		0.025	0.050	
67-63-0	Isopropanol		0.34	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.039	0.050	
75-09-2	Methylene Chloride		0.23	0.50	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.027	0.050	u J V-05
91-20-3	Naphthalene		0.038	0.050	
115-07-1	Propene		0.44	2.0	
100-42-5	Styrene		0.026	0.050	
79-34-5	1,1,2,2-Tetrachloroethane		0.027	0.050	
127-18-4	Tetrachloroethylene		0.038	0.050	
109-99-9	Tetrahydrofuran		0.082	0.50	
108-88-3	Toluene	0.12	0.029	0.050	
120-82-1	1,2,4-Trichlorobenzene		0.046	0.050	
71-55-6	1,1,1-Trichloroethane		0.039	0.050	
79-00-5	1,1,2-Trichloroethane		0.035	0.050	
79-01-6	Trichloroethylene		0.034	0.050	
75-69-4	Trichlorofluoromethane (Freon 11)	0.096	0.059	0.20	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.056	0.20	
95-63-6	1,2,4-Trimethylbenzene	0.025	0.022	0.050	J
108-67-8	1,3,5-Trimethylbenzene		0.026	0.050	
108-05-4	Vinyl Acetate		0.27	0.50	
75-01-4	Vinyl Chloride		0.045	0.050	

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OA-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-03 File ID: G23A037012.D
Sampled: 01/18/23 09:50 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 18:33
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	0.091	0.056	0.10	J
95-47-6	o-Xylene	0.034	0.026	0.050	J

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SV-16-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-04 File ID: G23A033017.D
Sampled: 01/18/23 10:05 Prepared: 02/02/23 00:00 Analyzed: 02/02/23 23:49
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	18	1.2	2.0	
107-02-8	Acrolein	0.29	0.25	1.0	J L-03, V-05, J
71-43-2	Benzene	0.41	0.038	0.050	
100-44-7	Benzyl chloride		0.044	0.050	
75-27-4	Bromodichloromethane		0.035	0.050	
75-25-2	Bromoform		0.034	0.050	
74-83-9	Bromomethane		0.033	0.050	
106-99-0	1,3-Butadiene		0.042	0.050	u J L-03
78-93-3	2-Butanone (MEK)	1.6	0.53	2.0	J
75-15-0	Carbon Disulfide	0.20	0.046	0.50	J
56-23-5	Carbon Tetrachloride		0.040	0.050	
108-90-7	Chlorobenzene		0.033	0.050	
75-00-3	Chloroethane		0.044	0.050	u J L-03, V-05
67-66-3	Chloroform	0.21	0.048	0.050	
74-87-3	Chloromethane	0.26	0.040	0.10	
110-82-7	Cyclohexane	0.68	0.030	0.050	
124-48-1	Dibromochloromethane		0.033	0.050	
106-93-4	1,2-Dibromoethane (EDB)		0.030	0.050	
95-50-1	1,2-Dichlorobenzene		0.029	0.050	
541-73-1	1,3-Dichlorobenzene		0.028	0.050	
106-46-7	1,4-Dichlorobenzene		0.033	0.050	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.25	0.049	0.050	
75-34-3	1,1-Dichloroethane		0.044	0.050	
107-06-2	1,2-Dichloroethane		0.045	0.050	
75-35-4	1,1-Dichloroethylene		0.038	0.050	
156-59-2	cis-1,2-Dichloroethylene		0.036	0.050	
156-60-5	trans-1,2-Dichloroethylene		0.039	0.050	
78-87-5	1,2-Dichloropropane		0.027	0.050	
10061-01-5	cis-1,3-Dichloropropene		0.026	0.050	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.049	0.050	

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SV-16-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-04 File ID: G23A033017.D
Sampled: 01/18/23 10:05 Prepared: 02/02/23 00:00 Analyzed: 02/02/23 23:49
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.042	0.50	
64-17-5	Ethanol	3.8	0.88	2.0 J	~~L-03, V-05~~
141-78-6	Ethyl Acetate		0.25	0.50	
100-41-4	Ethylbenzene	0.86	0.029	0.050	
622-96-8	4-Ethyltoluene	0.29	0.031	0.050	
142-82-5	Heptane	0.28	0.032	0.050	
87-68-3	Hexachlorobutadiene		0.041	0.050	
110-54-3	Hexane	0.56	0.26	2.0	J
591-78-6	2-Hexanone (MBK)	0.14	0.025	0.050	
67-63-0	Isopropanol	3.1	0.34	2.0 J	~~L-03, V-05~~
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.039	0.050	
75-09-2	Methylene Chloride		0.23	0.50	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.086	0.027	0.050	
91-20-3	Naphthalene	0.083	0.038	0.050	
115-07-1	Propene		0.44	2.0	
100-42-5	Styrene	0.083	0.026	0.050	
79-34-5	1,1,2,2-Tetrachloroethane		0.027	0.050	
127-18-4	Tetrachloroethylene	0.11	0.038	0.050	
109-99-9	Tetrahydrofuran		0.082	0.50	
120-82-1	1,2,4-Trichlorobenzene		0.046	0.050	
71-55-6	1,1,1-Trichloroethane		0.039	0.050	
79-00-5	1,1,2-Trichloroethane		0.035	0.050	
79-01-6	Trichloroethylene		0.034	0.050	
75-69-4	Trichlorofluoromethane (Freon 11)	0.27	0.059	0.20	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.097	0.056	0.20	J
95-63-6	1,2,4-Trimethylbenzene	1.2	0.022	0.050	
108-67-8	1,3,5-Trimethylbenzene	0.20	0.026	0.050	
108-05-4	Vinyl Acetate		0.27	0.50	
75-01-4	Vinyl Chloride		0.045	0.050	
1330-20-7P/M	m&p-Xylene	3.7	0.056	0.10	

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SV-16-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-04 File ID: G23A033017.D
Sampled: 01/18/23 10:05 Prepared: 02/02/23 00:00 Analyzed: 02/02/23 23:49
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330682 Sequence: S082839 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
95-47-6	o-Xylene	1.2	0.026	0.050	

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SV-16-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-04RE1 File ID: G23A037016.D
Sampled: 01/18/23 10:05 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 21:44
Solids: Preparation: TO-15 Prep Dilution: 60
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
108-88-3	Toluene	33	1.7	3.0	

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SV-15-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-05 File ID: G23A037013.D
Sampled: 01/18/23 10:07 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 19:23
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	14	1.2	2.0	
107-02-8	Acrolein		0.25	1.0	~~L-03~~
71-43-2	Benzene	0.39	0.038	0.050	
100-44-7	Benzyl chloride		0.044	0.050	
75-27-4	Bromodichloromethane		0.035	0.050	
75-25-2	Bromoform		0.034	0.050	
74-83-9	Bromomethane		0.033	0.050	
106-99-0	1,3-Butadiene		0.042	0.050	
78-93-3	2-Butanone (MEK)		0.53	2.0	
75-15-0	Carbon Disulfide	0.22	0.046	0.50	J
56-23-5	Carbon Tetrachloride		0.040	0.050	
108-90-7	Chlorobenzene		0.033	0.050	
75-00-3	Chloroethane		0.044	0.050	
67-66-3	Chloroform	0.068	0.048	0.050	
74-87-3	Chloromethane	0.20	0.040	0.10	~~V-05~~
110-82-7	Cyclohexane	0.096	0.030	0.050	
124-48-1	Dibromochloromethane		0.033	0.050	
106-93-4	1,2-Dibromoethane (EDB)		0.030	0.050	
95-50-1	1,2-Dichlorobenzene		0.029	0.050	
541-73-1	1,3-Dichlorobenzene		0.028	0.050	
106-46-7	1,4-Dichlorobenzene		0.033	0.050	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.19	0.049	0.050	
75-34-3	1,1-Dichloroethane		0.044	0.050	
107-06-2	1,2-Dichloroethane		0.045	0.050	
75-35-4	1,1-Dichloroethylene		0.038	0.050	
156-59-2	cis-1,2-Dichloroethylene	0.14	0.036	0.050	
156-60-5	trans-1,2-Dichloroethylene		0.039	0.050	
78-87-5	1,2-Dichloropropane		0.027	0.050	
10061-01-5	cis-1,3-Dichloropropene		0.026	0.050	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.049	0.050	

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SV-15-1.18.23

Laboratory: Pace New England Work Order: 23A2216
 Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
 Matrix: Air Laboratory ID: 23A2216-05 File ID: G23A037013.D
 Sampled: 01/18/23 10:07 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 19:23
 Solids: Preparation: TO-15 Prep Dilution: 1
 Initial/Final: 400 mL / 400 mL
 Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.042	0.50	
64-17-5	Ethanol	8.5	0.88	2.0	J V-05
141-78-6	Ethyl Acetate		0.25	0.50	
100-41-4	Ethylbenzene	0.18	0.029	0.050	
622-96-8	4-Ethyltoluene	0.042	0.031	0.050	J
142-82-5	Heptane	0.20	0.032	0.050	
87-68-3	Hexachlorobutadiene		0.041	0.050	
110-54-3	Hexane	0.89	0.26	2.0	J
591-78-6	2-Hexanone (MBK)		0.025	0.050	
67-63-0	Isopropanol	5.2	0.34	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.039	0.050	
75-09-2	Methylene Chloride	0.74	0.23	0.50	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.027	0.050	WJ V-05
91-20-3	Naphthalene		0.038	0.050	
115-07-1	Propene		0.44	2.0	
100-42-5	Styrene		0.026	0.050	
79-34-5	1,1,2,2-Tetrachloroethane		0.027	0.050	
127-18-4	Tetrachloroethylene		0.038	0.050	
109-99-9	Tetrahydrofuran		0.082	0.50	
108-88-3	Toluene	2.4	0.029	0.050	
120-82-1	1,2,4-Trichlorobenzene		0.046	0.050	
71-55-6	1,1,1-Trichloroethane		0.039	0.050	
79-00-5	1,1,2-Trichloroethane		0.035	0.050	
79-01-6	Trichloroethylene	0.10	0.034	0.050	
75-69-4	Trichlorofluoromethane (Freon 11)	0.17	0.059	0.20	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.056	0.20	
95-63-6	1,2,4-Trimethylbenzene	0.16	0.022	0.050	
108-67-8	1,3,5-Trimethylbenzene	0.034	0.026	0.050	J
108-05-4	Vinyl Acetate		0.27	0.50	
75-01-4	Vinyl Chloride		0.045	0.050	

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SV-15-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-05 File ID: G23A037013.D
Sampled: 01/18/23 10:07 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 19:23
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	0.75	0.056	0.10	
95-47-6	o-Xylene	0.24	0.026	0.050	

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b

SV-17-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-06
		File ID:	G23A037014.D
Sampled:	01/18/23 10:08	Prepared:	02/06/23 00:00
		Analyzed:	02/06/23 20:14
Solids:		Preparation:	TO-15 Prep
		Dilution:	1
Initial/Final:	400 mL / 400 mL		
Batch:	B330948	Sequence:	S082984
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
67-64-1	Acetone	18	1.2	2.0	
107-02-8	Acrolein		0.25	1.0	<i>uJ</i> ~~L-03~~
71-43-2	Benzene	1.1	0.038	0.050	
100-44-7	Benzyl chloride		0.044	0.050	
75-27-4	Bromodichloromethane		0.035	0.050	
75-25-2	Bromoform		0.034	0.050	
74-83-9	Bromomethane		0.033	0.050	
106-99-0	1,3-Butadiene		0.042	0.050	
78-93-3	2-Butanone (MEK)		0.53	2.0	
75-15-0	Carbon Disulfide	0.13	0.046	0.50	J
56-23-5	Carbon Tetrachloride		0.040	0.050	
108-90-7	Chlorobenzene	0.068	0.033	0.050	
75-00-3	Chloroethane	0.051	0.044	0.050	
67-66-3	Chloroform	0.071	0.048	0.050	
74-87-3	Chloromethane		0.040	0.10	<i>uJ</i> ~~v-05~~
110-82-7	Cyclohexane	1.9	0.030	0.050	
124-48-1	Dibromochloromethane		0.033	0.050	
106-93-4	1,2-Dibromoethane (EDB)		0.030	0.050	
95-50-1	1,2-Dichlorobenzene		0.029	0.050	
541-73-1	1,3-Dichlorobenzene		0.028	0.050	
106-46-7	1,4-Dichlorobenzene		0.033	0.050	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.13	0.049	0.050	
75-34-3	1,1-Dichloroethane	0.047	0.044	0.050	J
107-06-2	1,2-Dichloroethane	0.13	0.045	0.050	
75-35-4	1,1-Dichloroethylene		0.038	0.050	
156-59-2	cis-1,2-Dichloroethylene		0.036	0.050	
156-60-5	trans-1,2-Dichloroethylene		0.039	0.050	
78-87-5	1,2-Dichloropropane		0.027	0.050	
10061-01-5	cis-1,3-Dichloropropene		0.026	0.050	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.049	0.050	

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SV-17-1.18.23

Laboratory:	Pace New England	Work Order:	23A2216
Client:	NYDEC_HRP Associates - Clifton F	Project:	473 President Street Off-Site - CO MULTI QN_AI
Matrix:	Air	Laboratory ID:	23A2216-06
		File ID:	G23A037014.D
Sampled:	01/18/23 10:08	Prepared:	02/06/23 00:00
		Analyzed:	02/06/23 20:14
Solids:		Preparation:	TO-15 Prep
		Dilution:	1
Initial/Final:	400 mL / 400 mL		
Batch:	B330948	Sequence:	S082984
		Calibration:	2200631
		Instrument:	SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
123-91-1	1,4-Dioxane		0.042	0.50	
64-17-5	Ethanol	2.0	0.88	2.0	~~V-05, J~~
141-78-6	Ethyl Acetate		0.25	0.50	
100-41-4	Ethylbenzene	0.31	0.029	0.050	
622-96-8	4-Ethyltoluene	0.075	0.031	0.050	
142-82-5	Heptane	6.2	0.032	0.050	
87-68-3	Hexachlorobutadiene		0.041	0.050	
110-54-3	Hexane	18	0.26	2.0	
591-78-6	2-Hexanone (MBK)		0.025	0.050	
67-63-0	Isopropanol	1.4	0.34	2.0	J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.039	0.050	
75-09-2	Methylene Chloride		0.23	0.50	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.027	0.050	~~V-05~~
91-20-3	Naphthalene		0.038	0.050	
115-07-1	Propene	1.5	0.44	2.0	J
100-42-5	Styrene	0.047	0.026	0.050	J
79-34-5	1,1,2,2-Tetrachloroethane		0.027	0.050	
127-18-4	Tetrachloroethylene	0.076	0.038	0.050	
109-99-9	Tetrahydrofuran		0.082	0.50	
108-88-3	Toluene	2.2	0.029	0.050	
120-82-1	1,2,4-Trichlorobenzene		0.046	0.050	
71-55-6	1,1,1-Trichloroethane	0.041	0.039	0.050	J
79-00-5	1,1,2-Trichloroethane		0.035	0.050	
79-01-6	Trichloroethylene		0.034	0.050	
75-69-4	Trichlorofluoromethane (Freon 11)	0.13	0.059	0.20	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.061	0.056	0.20	J
95-63-6	1,2,4-Trimethylbenzene	0.25	0.022	0.050	
108-67-8	1,3,5-Trimethylbenzene	0.059	0.026	0.050	
108-05-4	Vinyl Acetate		0.27	0.50	
75-01-4	Vinyl Chloride		0.045	0.050	

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b

SV-17-1.18.23

Laboratory: Pace New England Work Order: 23A2216
Client: NYDEC_HRP Associates - Clifton F Project: 473 President Street Off-Site - CO MULTI QN_AI
Matrix: Air Laboratory ID: 23A2216-06 File ID: G23A037014.D
Sampled: 01/18/23 10:08 Prepared: 02/06/23 00:00 Analyzed: 02/06/23 20:14
Solids: Preparation: TO-15 Prep Dilution: 1
Initial/Final: 400 mL / 400 mL
Batch: B330948 Sequence: S082984 Calibration: 2200631 Instrument: SYSG

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
1330-20-7P/M	m&p-Xylene	1.2	0.056	0.10	
95-47-6	o-Xylene	0.37	0.026	0.050	

3/21/23