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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

September 8, 2023

Jolene Lozewski, P.G.
New York State Department of Environmental Conservation
625 Broadway, 12th floor
Albany, NY 12233

RE: 123 Post Avenue, NYSDEC Site No. 130088 - Monthly O&M Summary

Dear Ms. Lozewski:

This document represents the monthly operation & maintenance (O&M) summary for the soil vapor extraction (SVE) system currently operating at the above referenced site. The report summarizes the maintenance and monitoring activities conducted in August 2023.

Routine Operation & Maintenance

Routine O&M activities were conducted on 8/8/23. O&M activities include the collection of operating data such as system vacuum/pressures and air flow rates. During the routine site visits, mechanical components are checked and serviced accordingly. Concentrations of volatile organic compounds (VOCs) in the system's airstream are monitored at key locations using a photo-ionization detector (PID). Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air. System effluent air samples are collected on a quarterly basis.

O&M Summary

8/8/23 – EAR was onsite to conduct routine O&M. Quarterly system effluent air samples were collected. The system was operating upon arrival to and departure from the site.

8/9/23 – EAR responded to a system alarm received 8/8/23 at 23:45. The system was restarted without issue and monitored. A review of weather history indicated high winds in the area at the time of shutdown. As such, shutdown was most likely caused by a brief power outage. The system was operating upon departure from the site.

8/23/23 – EAR responded to a system alarm received 8/22/23 at 11:00. The system was restarted without issue and monitored. A review of weather history again indicated high winds in the area at the time of shutdown. As such, shutdown was most likely caused by a brief power outage. The system was operating upon departure from the site.



Total system uptime for August 2023 is 91%.

System monitoring data for the time period covered in this report is summarized in Table 1.

System Air Sampling

On 8/8/23, an air sample was collected from the system's effluent airstream for laboratory analysis. The sample was collected using a 6-liter passivated Summa canister with regulator set to draw for 30 minutes and submitted to Pace Analytical/Contest (East Longmeadow, MA) for analysis of volatile organic compounds via EPA Method TO-15.

Vapor-phase emissions for select parameters are summarized in Table 2. The laboratory analytical report is provided as Appendix A.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at 631.241.8741.

Sincerely,

A handwritten signature in black ink, appearing to read 'I. Hofmann', written over a light gray rectangular background.

Ian Hofmann
Project Manager

Cc:

J. Lawrence (EAR)

J. Nealon (NYSDOH)



TABLES

Table 1: System Monitoring Log

Table 2: Vapor Phase Emissions

Table 2

123 Post Avenue
Westbury, NY
NYSDEC Site # 130088



Vapor Phase Emissions - Select Contaminants
SVE-Effluent
EPA Method TO-15
ConTest/Pace Labs (2/2023 -)

Date	Flow Rate (CFM)	Tetrachloroethene Emissions Rate				Trichloroethene Emissions Rate				1,2-Dichloroethene Emissions Rate				1,2-Dichloroethane Emissions Rate				Total VOC Emissions Rate			
		PCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	TCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCA (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	Total VOC (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)
02/14/23	184.0	1.6	0.00000	0.000	0.000	<1.1	0.00000	0.000	0.000	<1.58	0.0000	0.000	0.000	<0.81	0.00000	0.000	0.000	266	0.000	0.004	0.000
05/16/23	185.0	2.3	0.00000	0.000	0.002	<0.54	0.00000	0.000	0.000	<0.8	0.0000	0.000	0.000	<0.4	0.00000	0.000	0.000	5,955	0.004	0.099	0.401
08/08/23	190.0	530.0	0.00038	0.009	0.006	30	0.00002	0.001	0.000	19	0.0000	0.000	0.000	<0.4	0.00000	0.000	0.000	646	0.000	0.011	8.722
AVERAGE:	186.3			0.003				0.000				0.000				0.000				0.038	

Notes:

lbs/hr = (CFM x 60) x (concentration x 0.000001 x 0.02832 x 0.002205)

•1,2-DCE value = reported c-1,2-DCE concentration + t-1,2-DCE concentration



Appendix A: Laboratory Analytical Report

August 16, 2023

Ian Hofmann
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

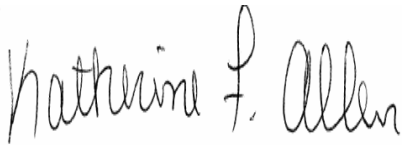
Project Location: 123 Post Ave.
Client Job Number:
Project Number: 130088
Laboratory Work Order Number: 23H1746

Enclosed are results of analyses for samples as received by the laboratory on August 10, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager



QA Officer
Katherine Allen



Laboratory Manager
Daren Damboragian

NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772
ATTN: Ian Hofmann

REPORT DATE: 8/16/2023

PURCHASE ORDER NUMBER: 146946

PROJECT NUMBER: 130088

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H1746

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

PROJECT LOCATION: 123 Post Ave.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE EFF	23H1746-01	Air		EPA TO-15	

CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01 Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene
B349090-BS1

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:

Hexachlorobutadiene
B349090-BS1, S092017-CCV1

Z-01 Calibrations RSD for this compound is >30% but <40%.

Analyte & Samples(s) Qualified:

Naphthalene
23H1746-01[SVE EFF], B349090-BLK1, B349090-BS1, S092017-CCV1

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

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



Lisa A. Worthington
Technical Representative

ANALYTICAL RESULTS

 Project Location: 123 Post Ave.
 Date Received: 8/10/2023
Field Sample #: SVE EFF
Sample ID: 23H1746-01
 Sample Matrix: Air
 Sampled: 8/8/2023 09:15

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 9008
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 23H1746
 Initial Vacuum(in Hg): XXX
 Final Vacuum(in Hg): XXX
 Receipt Vacuum(in Hg): -2.5
 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	2.1	4.0	0.94	J	5.1	9.5	2.2	2	8/14/23 20:02	CMR	
Benzene	0.13	0.10	0.031		0.41	0.32	0.099	2	8/14/23 20:02	CMR	
Benzyl chloride	ND	0.40	0.054		ND	2.1	0.28	2	8/14/23 20:02	CMR	
Bromodichloromethane	0.052	0.10	0.027	J	0.35	0.67	0.18	2	8/14/23 20:02	CMR	
Bromoform	ND	0.10	0.036		ND	1.0	0.37	2	8/14/23 20:02	CMR	
Bromomethane	ND	0.10	0.053		ND	0.39	0.21	2	8/14/23 20:02	CMR	
1,3-Butadiene	ND	0.10	0.084		ND	0.22	0.19	2	8/14/23 20:02	CMR	
2-Butanone (MEK)	4.8	4.0	1.1		14	12	3.3	2	8/14/23 20:02	CMR	
Carbon Disulfide	ND	1.0	0.19		ND	3.1	0.60	2	8/14/23 20:02	CMR	
Carbon Tetrachloride	0.088	0.10	0.029	J	0.55	0.63	0.18	2	8/14/23 20:02	CMR	
Chlorobenzene	ND	0.10	0.025		ND	0.46	0.12	2	8/14/23 20:02	CMR	
Chloroethane	ND	0.10	0.063		ND	0.26	0.17	2	8/14/23 20:02	CMR	
Chloroform	0.70	0.10	0.026		3.4	0.49	0.13	2	8/14/23 20:02	CMR	
Chloromethane	0.074	0.20	0.041	J	0.15	0.41	0.084	2	8/14/23 20:02	CMR	
Cyclohexane	ND	0.10	0.044		ND	0.34	0.15	2	8/14/23 20:02	CMR	
Dibromochloromethane	ND	0.10	0.027		ND	0.85	0.23	2	8/14/23 20:02	CMR	
1,2-Dibromoethane (EDB)	0.036	0.10	0.033	J	0.28	0.77	0.26	2	8/14/23 20:02	CMR	
1,2-Dichlorobenzene	ND	0.10	0.035		ND	0.60	0.21	2	8/14/23 20:02	CMR	
1,3-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	8/14/23 20:02	CMR	
1,4-Dichlorobenzene	ND	0.10	0.037		ND	0.60	0.22	2	8/14/23 20:02	CMR	
Dichlorodifluoromethane (Freon 12)	0.54	0.10	0.042		2.7	0.49	0.21	2	8/14/23 20:02	CMR	
1,1-Dichloroethane	0.18	0.10	0.032		0.72	0.40	0.13	2	8/14/23 20:02	CMR	
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	8/14/23 20:02	CMR	
1,1-Dichloroethylene	ND	0.10	0.029		ND	0.40	0.11	2	8/14/23 20:02	CMR	
cis-1,2-Dichloroethylene	4.6	0.10	0.031		18	0.40	0.12	2	8/14/23 20:02	CMR	
trans-1,2-Dichloroethylene	0.32	0.10	0.033		1.3	0.40	0.13	2	8/14/23 20:02	CMR	
1,2-Dichloropropane	ND	0.10	0.027		ND	0.46	0.13	2	8/14/23 20:02	CMR	
cis-1,3-Dichloropropene	ND	0.10	0.045		ND	0.45	0.20	2	8/14/23 20:02	CMR	
trans-1,3-Dichloropropene	ND	0.10	0.052		ND	0.45	0.23	2	8/14/23 20:02	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	8/14/23 20:02	CMR	
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	8/14/23 20:02	CMR	
Ethanol	ND	4.0	2.7		ND	7.5	5.0	2	8/14/23 20:02	CMR	
Ethyl Acetate	ND	1.0	0.29		ND	3.6	1.0	2	8/14/23 20:02	CMR	
Ethylbenzene	0.032	0.10	0.029	J	0.14	0.43	0.13	2	8/14/23 20:02	CMR	
4-Ethyltoluene	ND	0.10	0.043		ND	0.49	0.21	2	8/14/23 20:02	CMR	
Heptane	ND	0.10	0.063		ND	0.41	0.26	2	8/14/23 20:02	CMR	
Hexachlorobutadiene	ND	0.10	0.058		ND	1.1	0.61	2	8/14/23 20:02	CMR	
Hexane	ND	4.0	1.3		ND	14	4.7	2	8/14/23 20:02	CMR	
2-Hexanone (MBK)	ND	0.40	0.043		ND	1.6	0.18	2	8/14/23 20:02	CMR	
Isopropanol	ND	4.0	1.3		ND	9.8	3.1	2	8/14/23 20:02	CMR	
Methyl tert-Butyl Ether (MTBE)	0.11	0.10	0.049		0.38	0.36	0.18	2	8/14/23 20:02	CMR	
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	8/14/23 20:02	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.053		ND	0.41	0.22	2	8/14/23 20:02	CMR	
Naphthalene	ND	0.10	0.067	Z-01	ND	0.52	0.35	2	8/14/23 20:02	CMR	
Propene	ND	4.0	1.1		ND	6.9	1.9	2	8/14/23 20:02	CMR	
Styrene	ND	0.10	0.054		ND	0.43	0.23	2	8/14/23 20:02	CMR	
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	8/14/23 20:02	CMR	

ANALYTICAL RESULTS

 Project Location: 123 Post Ave.
 Date Received: 8/10/2023
Field Sample #: SVE EFF
Sample ID: 23H1746-01
 Sample Matrix: Air
 Sampled: 8/8/2023 09:15

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 9008
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 23H1746
 Initial Vacuum(in Hg): XXX
 Final Vacuum(in Hg): XXX
 Receipt Vacuum(in Hg): -2.5
 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	78	0.10	0.037		530	0.68	0.25	2	8/14/23 20:02	CMR	
Tetrahydrofuran	11	1.0	0.21		34	2.9	0.61	2	8/14/23 20:02	CMR	
Toluene	0.33	0.10	0.036		1.2	0.38	0.14	2	8/14/23 20:02	CMR	
1,2,4-Trichlorobenzene	ND	0.10	0.054		ND	0.74	0.40	2	8/14/23 20:02	CMR	
1,1,1-Trichloroethane	0.13	0.10	0.031		0.72	0.55	0.17	2	8/14/23 20:02	CMR	
1,1,2-Trichloroethane	ND	0.10	0.026		ND	0.55	0.14	2	8/14/23 20:02	CMR	
Trichloroethylene	5.7	0.10	0.041		30	0.54	0.22	2	8/14/23 20:02	CMR	
Trichlorofluoromethane (Freon 11)	0.30	0.40	0.041	J	1.7	2.2	0.23	2	8/14/23 20:02	CMR	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.072	0.40	0.022	J	0.55	3.1	0.17	2	8/14/23 20:02	CMR	
1,2,4-Trimethylbenzene	ND	0.10	0.046		ND	0.49	0.23	2	8/14/23 20:02	CMR	
1,3,5-Trimethylbenzene	ND	0.10	0.052		ND	0.49	0.25	2	8/14/23 20:02	CMR	
Vinyl Acetate	ND	2.0	0.36		ND	7.0	1.3	2	8/14/23 20:02	CMR	
Vinyl Chloride	ND	0.10	0.046		ND	0.26	0.12	2	8/14/23 20:02	CMR	
m&p-Xylene	0.082	0.20	0.070	J	0.36	0.87	0.30	2	8/14/23 20:02	CMR	
o-Xylene	ND	0.10	0.037		ND	0.43	0.16	2	8/14/23 20:02	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.5	70-130	8/14/23 20:02

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
23H1746-01 [SVE EFF]	B349090	1.5	1	N/A	1000	200	150	08/14/23

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B349090 - TO-15 Prep
Blank (B349090-BLK1)

Prepared & Analyzed: 08/14/23

Acetone	ND	0.80								
Benzene	0.0068	0.020								J
Benzyl chloride	ND	0.080								
Bromodichloromethane	ND	0.020								
Bromoform	ND	0.020								
Bromomethane	ND	0.020								
1,3-Butadiene	ND	0.020								
2-Butanone (MEK)	ND	0.80								
Carbon Disulfide	ND	0.20								
Carbon Tetrachloride	ND	0.020								
Chlorobenzene	ND	0.020								
Chloroethane	ND	0.020								
Chloroform	ND	0.020								
Chloromethane	0.010	0.040								J
Cyclohexane	ND	0.020								
Dibromochloromethane	ND	0.020								
1,2-Dibromoethane (EDB)	0.0084	0.020								J
1,2-Dichlorobenzene	ND	0.020								
1,3-Dichlorobenzene	ND	0.020								
1,4-Dichlorobenzene	ND	0.020								
Dichlorodifluoromethane (Freon 12)	ND	0.020								
1,1-Dichloroethane	ND	0.020								
1,2-Dichloroethane	ND	0.020								
1,1-Dichloroethylene	ND	0.020								
cis-1,2-Dichloroethylene	ND	0.020								
trans-1,2-Dichloroethylene	ND	0.020								
1,2-Dichloropropane	ND	0.020								
cis-1,3-Dichloropropene	ND	0.020								
trans-1,3-Dichloropropene	ND	0.020								
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020								
1,4-Dioxane	ND	0.20								
Ethanol	ND	0.80								
Ethyl Acetate	ND	0.20								
Ethylbenzene	ND	0.020								
4-Ethyltoluene	ND	0.020								
Heptane	ND	0.020								
Hexachlorobutadiene	ND	0.020								
Hexane	ND	0.80								
2-Hexanone (MBK)	ND	0.080								
Isopropanol	ND	0.80								
Methyl tert-Butyl Ether (MTBE)	ND	0.020								
Methylene Chloride	ND	0.20								
4-Methyl-2-pentanone (MIBK)	ND	0.020								
Naphthalene	ND	0.020								Z-01
Propene	ND	0.80								
Styrene	ND	0.020								

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B349090 - TO-15 Prep
Blank (B349090-BLK1)

Prepared & Analyzed: 08/14/23

1,1,2,2-Tetrachloroethane	ND	0.020
Tetrachloroethylene	ND	0.020
Tetrahydrofuran	ND	0.20
Toluene	ND	0.020
1,2,4-Trichlorobenzene	ND	0.020
1,1,1-Trichloroethane	ND	0.020
1,1,2-Trichloroethane	ND	0.020
Trichloroethylene	ND	0.020
Trichlorofluoromethane (Freon 11)	ND	0.080
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080
1,2,4-Trimethylbenzene	ND	0.020
1,3,5-Trimethylbenzene	ND	0.020
Vinyl Acetate	ND	0.40
Vinyl Chloride	ND	0.020
m&p-Xylene	ND	0.040
o-Xylene	ND	0.020

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.97</i>	<i>8.00</i>	<i>99.7</i>	<i>70-130</i>
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LCS (B349090-BS1)

Prepared & Analyzed: 08/14/23

Acetone	3.91	5.00	78.2	70-130
Benzene	4.01	5.00	80.2	70-130
Benzyl chloride	4.43	5.00	88.5	70-130
Bromodichloromethane	4.10	5.00	81.9	70-130
Bromoform	5.06	5.00	101	70-130
Bromomethane	4.51	5.00	90.2	70-130
1,3-Butadiene	4.51	5.00	90.1	70-130
2-Butanone (MEK)	4.56	5.00	91.2	70-130
Carbon Disulfide	4.56	5.00	91.1	70-130
Carbon Tetrachloride	4.43	5.00	88.6	70-130
Chlorobenzene	4.28	5.00	85.6	70-130
Chloroethane	4.46	5.00	89.1	70-130
Chloroform	4.91	5.00	98.2	70-130
Chloromethane	3.56	5.00	71.3	70-130
Cyclohexane	4.29	5.00	85.9	70-130
Dibromochloromethane	5.11	5.00	102	70-130
1,2-Dibromoethane (EDB)	4.63	5.00	92.5	70-130
1,2-Dichlorobenzene	4.90	5.00	98.1	70-130
1,3-Dichlorobenzene	5.15	5.00	103	70-130
1,4-Dichlorobenzene	4.95	5.00	98.9	70-130
Dichlorodifluoromethane (Freon 12)	5.23	5.00	105	70-130
1,1-Dichloroethane	4.83	5.00	96.6	70-130
1,2-Dichloroethane	4.65	5.00	93.0	70-130
1,1-Dichloroethylene	4.50	5.00	90.0	70-130
cis-1,2-Dichloroethylene	4.79	5.00	95.7	70-130
trans-1,2-Dichloroethylene	4.97	5.00	99.4	70-130
1,2-Dichloropropane	3.96	5.00	79.2	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	Limits	RPD	Limit		
Batch B349090 - TO-15 Prep											
LCS (B349090-BS1)					Prepared & Analyzed: 08/14/23						
cis-1,3-Dichloropropene	4.37				5.00		87.5	70-130			
trans-1,3-Dichloropropene	4.87				5.00		97.4	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.14				5.00		82.7	70-130			
1,4-Dioxane	4.41				5.00		88.3	70-130			
Ethanol	5.14				5.00		103	70-130			
Ethyl Acetate	4.40				5.00		87.9	70-130			
Ethylbenzene	4.32				5.00		86.4	70-130			
4-Ethyltoluene	4.81				5.00		96.1	70-130			
Heptane	4.37				5.00		87.3	70-130			
Hexachlorobutadiene	6.51				4.25		153 *	70-130			L-01, V-20
Hexane	4.44				5.00		88.7	70-130			
2-Hexanone (MBK)	4.28				5.00		85.6	70-130			
Isopropanol	3.59				5.00		71.8	70-130			
Methyl tert-Butyl Ether (MTBE)	5.12				5.00		102	70-130			
Methylene Chloride	3.79				5.00		75.9	70-130			
4-Methyl-2-pentanone (MIBK)	4.88				5.00		97.6	70-130			
Naphthalene	5.62				3.68		153 *	70-130			L-01, Z-01
Propene	5.38				5.00		108	70-130			
Styrene	4.94				5.00		98.8	70-130			
1,1,2,2-Tetrachloroethane	4.36				5.00		87.1	70-130			
Tetrachloroethylene	4.34				5.00		86.8	70-130			
Tetrahydrofuran	4.88				5.00		97.6	70-130			
Toluene	4.46				5.00		89.2	70-130			
1,2,4-Trichlorobenzene	5.23				3.90		134 *	70-130			L-01
1,1,1-Trichloroethane	4.25				5.00		84.9	70-130			
1,1,2-Trichloroethane	4.56				5.00		91.3	70-130			
Trichloroethylene	4.27				5.00		85.4	70-130			
Trichlorofluoromethane (Freon 11)	4.84				5.00		96.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.54				5.00		90.8	70-130			
1,2,4-Trimethylbenzene	5.09				5.00		102	70-130			
1,3,5-Trimethylbenzene	5.26				5.00		105	70-130			
Vinyl Acetate	4.08				5.00		81.5	70-130			
Vinyl Chloride	4.40				5.00		88.0	70-130			
m&p-Xylene	9.74				10.0		97.4	70-130			
o-Xylene	4.82				5.00		96.5	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.11</i>				<i>8.00</i>		<i>101</i>	<i>70-130</i>			

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
m ³	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-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
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.
Z-01	Calibrations RSD for this compound is >30% but <40%.

ANALYST

TPH Thomas P. Hnitecki
KKS Kyle K. Stuckey
KMC Kristen M Couture
CMR Catherine M. Rouleau
AAM Alyssa A Mulinare

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 (S085380-ICV1)			Lab File ID: J23A090036.D			Analyzed: 04/01/23 05:53			
Bromochloromethane (1)	298104	2.788	298104	2.788	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	850179	3.418	850179	3.418	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	747035	5.036	747035	5.036	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 (S092017-CCV1)			Lab File ID: J23A226004.D			Analyzed: 08/14/23 11:18			
Bromochloromethane (1)	340189	2.79	340189	2.79	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1070905	3.419	1070905	3.419	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	933043	5.036	933043	5.036	100	60 - 140	0.0000	+/-0.50	
LCS (B349090-BS1)			Lab File ID: J23A226005.D			Analyzed: 08/14/23 11:43			
Bromochloromethane (1)	343222	2.791	340189	2.79	101	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1096766	3.419	1070905	3.419	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	947713	5.04	933043	5.036	102	60 - 140	0.0040	+/-0.50	
Blank (B349090-BLK1)			Lab File ID: J23A226008.D			Analyzed: 08/14/23 13:14			
Bromochloromethane (1)	294443	2.77	340189	2.79	87	60 - 140	-0.0200	+/-0.50	
1,4-Difluorobenzene (1)	855961	3.407	1070905	3.419	80	60 - 140	-0.0120	+/-0.50	
Chlorobenzene-d5 (1)	781908	5.032	933043	5.036	84	60 - 140	-0.0040	+/-0.50	
SVE EFF (23H1746-01)			Lab File ID: J23A226022.D			Analyzed: 08/14/23 20:02			
Bromochloromethane (1)	317133	2.775	340189	2.79	93	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	951852	3.412	1070905	3.419	89	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	922447	5.033	933043	5.036	99	60 - 140	-0.0030	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S092017-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.11	1.034114	0.8495042		-17.9	30
Benzene	A	5.00	4.38	0.8123645	0.7124023		-12.3	30
Benzyl chloride	L	5.00	4.75	0.5056852	0.7229386		-4.9	30
Bromodichloromethane	A	5.00	4.58	0.6094342	0.5587962		-8.3	30
Bromoform	A	5.00	5.42	0.4573839	0.4960697		8.5	30
Bromomethane	A	5.00	4.90	0.6761959	0.662507		-2.0	30
1,3-Butadiene	A	5.00	4.86	0.5092257	0.4954046		-2.7	30
2-Butanone (MEK)	A	5.00	4.78	1.148647	1.09755		-4.4	30
Carbon Disulfide	A	5.00	4.78	2.001154	1.912447		-4.4	30
Carbon Tetrachloride	A	5.00	5.24	0.5037067	0.5279139		4.8	30
Chlorobenzene	A	5.00	4.81	0.7622773	0.732641		-3.9	30
Chloroethane	A	5.00	4.65	0.4202137	0.3907334		-7.0	30
Chloroform	A	5.00	5.24	1.577837	1.651905		4.7	30
Chloromethane	A	5.00	4.51	0.5966374	0.538336		-9.8	30
Cyclohexane	A	5.00	4.67	0.3246406	0.3029527		-6.7	30
Dibromochloromethane	A	5.00	5.50	0.5189836	0.5705838		9.9	30
1,2-Dibromoethane (EDB)	A	5.00	5.14	0.4960864	0.5102119		2.8	30
1,2-Dichlorobenzene	A	5.00	5.75	0.4911951	0.5646299		15.0	30
1,3-Dichlorobenzene	A	5.00	5.78	0.5456808	0.6302904		15.5	30
1,4-Dichlorobenzene	A	5.00	5.69	0.5309926	0.6046915		13.9	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.69	1.809285	2.059749		13.8	30
1,1-Dichloroethane	A	5.00	5.16	1.317427	1.359108		3.2	30
1,2-Dichloroethane	A	5.00	5.00	0.9730911	0.9738916		0.08	30
1,1-Dichloroethylene	A	5.00	4.84	1.146845	1.110658		-3.2	30
cis-1,2-Dichloroethylene	A	5.00	5.17	0.9524103	0.9852406		3.4	30
trans-1,2-Dichloroethylene	A	5.00	5.30	1.02979	1.091135		6.0	30
1,2-Dichloropropane	A	5.00	4.29	0.3033695	0.2604571		-14.1	30
cis-1,3-Dichloropropene	A	5.00	4.93	0.4042769	0.3986475		-1.4	30
trans-1,3-Dichloropropene	A	5.00	5.39	0.3279415	0.3532564		7.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 113)	A	5.00	4.81	1.964888	1.888752		-3.9	30
1,4-Dioxane	A	5.00	4.46	0.1624784	0.1448748		-10.8	30
Ethanol	A	5.00	4.38	0.1724202	0.1510031		-12.4	30
Ethyl Acetate	A	5.00	5.25	0.2040016	0.2142291		5.0	30
Ethylbenzene	A	5.00	4.85	1.293794	1.254256		-3.1	30
4-Ethyltoluene	A	5.00	5.30	1.173601	1.243643		6.0	30
Heptane	A	5.00	4.64	0.2390228	0.2219237		-7.2	30
Hexachlorobutadiene	A	5.00	7.61	0.2261563	0.3444008		52.3	30 *
Hexane	L	5.00	4.55	0.6738496	0.6174779		-8.9	30

CONTINUING CALIBRATION CHECK

EPA TO-15

S092017-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.44	0.4320676	0.3834216		-11.3	30
Isopropanol	A	5.00	4.22	1.163166	0.9806784		-15.7	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.40	1.752887	1.892952		8.0	30
Methylene Chloride	A	5.00	4.13	0.8161184	0.6739971		-17.4	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.99	0.1991676	0.1987373		-0.2	30
Naphthalene	A	5.00	6.46	0.4140914	0.535346		29.3	30
Propene	A	5.00	5.90	0.3783566	0.4468622		18.1	30
Styrene	A	5.00	5.52	0.6193387	0.6834583		10.4	30
1,1,2,2-Tetrachloroethane	A	5.00	4.85	0.7875453	0.7633209		-3.1	30
Tetrachloroethylene	A	5.00	4.79	0.4061033	0.3891816		-4.2	30
Tetrahydrofuran	A	5.00	4.83	0.5602263	0.540683		-3.5	30
Toluene	A	5.00	4.86	0.9952737	0.9672369		-2.8	30
1,2,4-Trichlorobenzene	A	5.00	5.98	0.1951236	0.2332909		19.6	30
1,1,1-Trichloroethane	A	5.00	4.92	0.5148362	0.5061977		-1.7	30
1,1,2-Trichloroethane	A	5.00	4.96	0.3494055	0.3469576		-0.7	30
Trichloroethylene	A	5.00	4.72	0.3469588	0.3277512		-5.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.30	1.832227	1.94117		5.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.04	1.363757	1.374464		0.8	30
1,2,4-Trimethylbenzene	A	5.00	5.87	0.9035781	1.061463		17.5	30
1,3,5-Trimethylbenzene	A	5.00	5.93	0.9651619	1.143999		18.5	30
Vinyl Acetate	A	5.00	3.78	1.160867	0.8786833		-24.3	30
Vinyl Chloride	A	5.00	4.84	0.7330867	0.7103628		-3.1	30
m&p-Xylene	A	10.0	10.9	1.010218	1.102022		9.1	30
o-Xylene	A	5.00	5.36	0.9862305	1.056656		7.1	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
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

CERTIFICATIONS
Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023



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

Company Name: **23H1746**
 Address: **225 ATLANTA AVE 631 -**
 Phone: **PARADISE NY 11922 447-6402**
 Project Name: **123 POST AVE**
 Project Location: **123 POST AVE**
 Project Number: **# 130088**
 Project Manager: **DAN HOFMANN**

Invoice Recipient: **NR**
 Sampled By: **NR**

http://www.pacelabs.com

39 Spruce Street
 East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

ANALYSIS REQUESTED

Requested Turnaround Time	Disinfectant Samples	Field Filtered	Lab to Filter	Orthophosphate Samples	Field Filtered	Lab to Filter	PCB ONLY	SOXHLET	NON SOXHLET	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
7-Day PFAS 10 Day (std)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Rush-Approval Required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Format: PDF <input type="checkbox"/> EXCEL <input type="checkbox"/>	Data Delivery													
CLP Like Data Pkg Required: <input type="checkbox"/>	Data Delivery													
Ending Date/Time	Beginning Date/Time	Client Sample ID / Description	Matrix Code	COMP/GRAB	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE				
8 AM 23	8 AM 23	01 SVE EFF	A	GRAB	M									
Relinquished by: (signature) AMG 1430 8 AM 23 Received by: (signature) EMM SARRI SPWAGE 8 AM 23 Relinquished by: (signature) AMG 1150 8-23 1000 Received by: (signature) 1150 8-10-23 Relinquished by: (signature) Received by: (signature) Relinquished by: (signature) Received by: (signature)														

Client Comments: **NYSDEC CATEGORY 'B' DECONTAMINATES - 7913 6847 3976**

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

Special Requirements

Other: WRTA AWRA School MBTA

Project Entity: **NYSDEC CATEGORY 'B' DECONTAMINATES**

Government Federal City

Municipality 21 J Brownfield

Other: Chromatogram ALPHA-LAP, LLC

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



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Thursday

8/10/23 at 9:58 AM

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FROM

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8/9/23 2:32 PM

IN TRANSIT

WINDSOR LOCKS, CT

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WINDSOR LOCKS, CT

8/10/23 8:53 AM

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Manage Delivery





DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist

Effective Date: 07/13/2023

Log In Back-Sheet

Client NYDEC - EAR
 Project 123 Post Ave
 MCP/RCP Required _____
 Deliverable Package Requirement CAT B
 Location _____
 PWSID# (When Applicable) _____
 Arrival Method FedEx 7913 6847 3976
 Received By / Date / Time AAM 8/10/23 0958
 Back-Sheet By / Date / Time KMC 8/10/23 1530
 Temperature Method _____ # _____
 Temp $\leq 6^{\circ}$ C Actual Temperature _____
 Rush Samples: Yes / No _____ Notify _____
 Short Hold: Yes / No _____ Notify _____

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

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client	<input checked="" type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project	<input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
Analysis	<input checked="" type="checkbox"/>	
IDs	<input checked="" type="checkbox"/>	

Notes regarding Samples/COC outside of SOP:

Container	#	Size	Regulator	Duration	Accessories		
Summa Cans	1	6L	1	30min	Nut/Ferrule		IC Train
Tedlar Bags					Tubing		
TO-17 Tubes					T-Connector		Shipping Charges
Radiello					Syringe		
Pufs/ TO-11					Tedlar		

Can #'s	5	10	15	Reg's #'s	5	10	15
1 9008	6	11	16	1 4211	6	11	16
2	7	12	17	2	7	12	17
3	8	13	18	3	8	13	18
4	9	14	19	4	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19



Air Sampling Media Certificate of Analysis

Date Analyzed: 7/29/2023 **Batch #:** 23CC0586

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC9008 _____

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	1,1,1,2,2-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 8/15/23