



April 2, 2025

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 March 2025.

Routine Operation & Maintenance

Routine O&M activities were conducted on 3/6/25. 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

3/6/25 – EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site. A system effluent air sample was collected for laboratory analysis. The site data information sheet for 3/6/25 is provided in Appendix A.

3/27/25 – EAR was onsite to check status of the moisture separator tank and drain any condensate present. Approximately 1 gallon of condensate was drained to an onsite drum.

Total system uptime for March 2025 is 100%.

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

System Air Sampling



On 3/6/25, 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/Contest¹ (East Longmeadow, MA) for analysis of volatile organic compounds via EPA Method TO-15.

Vapor-phase emissions for select parameters are summarized as follows:

Contaminant	Effluent Concentration (ug/m3)	Emissions (lbs/hr)	MEL² (lbs/hr)
PCE	1,440	0.00084	0.114
TCE	21.8	0.00001	0.057
1,2-DCE	9.3	0.000001	Not established
1,2-DCA	<0.202	-	0.011
Vinyl Chloride	<0.128	-	0.011

Historical vapor phase emission data can be found in Table 2. The laboratory analytical report is provided as Appendix B.

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,

Ian Hofmann
Project Manager

Cc:

M. Dolan (DOH)

J. Lawrence (EAR)

¹ Pace subcontracted the analysis to Alpha Analytical (Mnasfield, MA)

² Mass Emission Limits as per 6NYCRR Part 212-2



TABLES

Table 1: System Monitoring Log

Table 2: Vapor Phase Emissions – Select Contaminants

Table 1

123 Post Avenue
123 Post Avenue, Westbury, NY
NYSDEC Site No. 130088

SVE System Data Log



	Flow (cfm)				Vacuum ("H2O)				PID (ppm)				Vacuum ("H2O)				Pre-Blower		Post Blower				Moist-Sep		System Runtime						
Date/Time	RW-15	RW-25	RW-35	RW-45	RW-15	RW-25	RW-35	RW-45	RW-15	RW-25	RW-35	RW-45	SV-1	SV-2	SV-3	SS-1	SS-2	Vac ("H2O)	Flow (cfm)	Press. ("H2O)	Flow (cfm)	PID (ppm)	Temp (F)	Vac ("H2O)	Hr Meter	Date & Time	Hr Meter Diff.	Hrs Since Last Visit	Percentage Uptime Since Last Visit	Percentage Uptime by Month	
4/6/2020	30	45	45	10	-14	-7	-8	-18	6	0.4	0	0	0	0	0	-	-	-30	200	-	190	0.3	80	-30	-	-	-	-	-	-	-
4/14/2020	30	65	65	10	-14	-7	-14	-18	0.2	0.1	0.5	0	0	0	0	-	-	-30	200	0	200	0.4	100	-32	-	-	-	-	-	-	-
4/20/2020	30	65	65	5	-16	-6	-8	-16	0	0.1	0	0	-0.25	-0.17	-0.67	-	-	-28	170	2	205	0	92	-26	-	-	-	-	-	-	-
4/27/2020	25	65	65	20	-15	-7	-8	-17	0.2	0.3	0.6	0	-0.1	0	-0.1	-	-	-30	200	0	200	0.5	100	-22	-	-	-	-	-	-	-
April 2020 Avg.	28.8	60	60	11.3	-14.8	-6.8	-9.5	-17.3	1.6	0.23	0.28	0	-0.088	-0.043	-0.193	-	-	-29.5	192.5	0.7	198.8	0.3	93	-27.5	-	-	-	-	-	-	-
5/4/2020	24	70	70	10	-8	-7	-8	-14	0.2	0.4	0.6	0	-0.1	0	-0.1	-	-	-30	200	2	190	0.5	100	-35	-	-	-	-	-	-	-
5/14/2020	31	72	68	5	-16	-6	-8	-17	0	0	0	0	-1.4	-0.4	-0.3	-	-	-28	168	3.7	182	0	94	-26	-	-	-	-	-	-	-
5/21/2020	-	65	65	20	-	-6	-7	-16	-	-	-	-	0	-0.7	0	-	-	-28.5	168	3.4	175	0	108	-23	-	-	-	-	-	-	-
5/26/2020	30	71	68	19	-14	-6	-8	-16	0	0	0	0	-0.8	-0.12	-1.2	-	-	-30	168	2.8	182	0	104	-26	-	-	-	-	-	-	-
May 2020 Avg.	28.3	69.5	67.8	13.5	-12.7	-6.3	-7.8	-15.8	0.07	0.13	0.20	0	-0.575	-0.305	-0.400	-	-	-29.1	176	3.0	182.3	0.1	102	-27.5	-	-	-	-	-	-	-
6/2/2020	29	64	69	14	-14	-6	-8	-16	0	0	0	0	-0.7	-0.39	-0.94	-	-	-28	168	2.7	198	0	106	-26	-	-	-	-	-	-	-
6/8/2020	30	60	65	15	-13.5	-6	-7.5	-15	0	0	0	0	-0.5	0.2	-7.4	-	-	-27	150	3.13	175	0	116	-28	-	-	-	-	-	-	-
6/17/2020	30	68	70	17	-14	-5	-8	-16	0	0	0	0	-0.035	-0.068	-0.12	-	-	-28	168	2.9	178	0	108	-26	-	-	-	-	-	-	-
6/22/2020	32	68	70	18	-14	-5	-8	-16	0.1	0.5	0.6	0.1	-0.5	-1.35	-144	-	-	-28	170	2.9	188	0.4	118	-26	-	-	-	-	-	-	-
6/29/2020	33	68	68	17	-14	-5	-8	-16	0.1	0.5	0.7	0	-0.45	-0.9	-1.2	-	-	-28	168	2.9	176	0.5	122	-26	-	-	-	-	-	-	-
June 2020 Avg.	30.8	65.6	68.4	16.2	-13.9	-5.4	-7.9	-15.8	0.04	0.2	0.26	0.02	-0.437	-0.502	-0.732	-	-	-27.8	164.8	2.906	183	0.18	114	-26.4	-	-	-	-	-	-	-
7/6/2020	28	70	76	15	-13.5	-5	-6	-15	0	0	0	1	0	0	-0.1	-	-	-27	150	2.3	155	13	126	-24	-	-	-	-	-	-	-
7/13/2020	35	45	45	25	-14	-5	-8	-16	0	0.2	0.6	0	0	0	0	-	-	-28	180	0	180	0	120	-25	-	-	-	-	-	-	-
7/20/2020	33	70	68	14	-16	-5	-8	-16	0	0.2	0.3	0	-0.34	0.13	-22.1	-0.13	-0.14	-28	169	2.6	178	0.2	130	-26	-	-	-	-	-	-	-
7/29/2020	31	69	71	14	-14	-6	-8	-16	0	0.2	0.4	0	-0.24	-2.04	-27.41	-0.12	-0.31	-28	170	1.9	180	0.9	128	-28	-	-	-	-	-	-	-
July 2020 Avg.	31.75	63.5	65	17	-14.38	-5.25	-7.5	-15.75	0	0.15	0.325	0.25	-0.145	-0.478	-12.403	-0.125	-0.225	-27.75	167.25	1.7	173.25	3.525	126	-25.75	-	-	-	-	-	-	-
8/4/2020	30	65	61	15	-12.3	-4.1	-6.2	-15.4	0	0	0	0	-0.9	-1.6	0	-	-	-28	172	3.1	175	0	122	-25	-	-	-	-	-	-	-
8/10/2020	30	67	70	14	-13	-6	-9	-16	0.1	0.3	0.1	0	-0.33	-1.8	-25.5	-0.15	-0.3	-27	168	2.1	170	0.2	126	-25	-	-	-	-	-	-	-
8/17/2020	30	67	72	17	-14	-6	-8	-16	0	0.2	0.4	0	-0.33	-0.5	-24.1	-0.21	-0.24	-28	168	2	175	0.7	120	-25	-	-	-	-	-	-	-
8/24/2020	30	68	70	17	-13.5	-6	-8	-16	0	0.1	0.1	0	-0.29	-0.83	-0.6	-0.01	-0.15	-28	170	1.9	180	0.2	122	-25	-	-	-	-	-	-	-
8/31/2020	31	69	72	18	-14	-6	-8	-16	0	0.2	1.4	0	-0.31	-0.98	-1.2	-0.22	-0.15	-28	171	2.2	180	1.0	118	-25	-	-	-	-	-	-	-
August 2020 Avg.	30.2	67.2	69	16.2	-13.36	-5.62	-7.84	-15.88	0.02	0.16	0.4	0	-0.432	-1.142	-10.28	-0.148	-0.21	-27.8	169.8	2.26	176	0.42	121.6	-25	-	-	-	-	-	-	-
9/14/2020	34	70	72	17	-14	-6	-8	-16	0.2	0.6	1.9	0	-0.48	-0.52	-0.46	-0.3	-0.19	-28	166	2.4	180	1.6	120	-26	-	-	-	-	-	-	-
9/28/2020	36	61	65	19	-11.8	-6.3	-5.3	-14.2	0	0.1	0	0	-0.13	-1.12	-0.45	-	-	-28	170	2.2	205	0.4	124	-25	-	-	-	-	-	-	-
September 2020 Avg.	35	65.5	68.5	18	-12.9	-6.15	-6.65	-15.1	0.1	0.35	0.95	0	-0.305	-0.82	-0.455	-0.3	-0.19	-28	168	2.3	192.5	0	122	-25.5	-	-	-	-	-	-	-
10/1/2020	28	70	65	18	-14	-7	-8	-16	0	0.1	0.2	0	-0.35	-1.1	-0.68	-0.17	-0.2	-27	170	2.1	185	0.3	100	-24	-	-	-	-	-	-	-
10/26/2020	27	70	72	16	-14	-6	-9	-15	0	0.2	0.1	0	-0.8	-1.1	-0.75	-0.19	-0.17	-27	175	2	181	0.1	112	-26	-	-	-	-	-	-	-
October 2020 Avg.	27.5	70	68.5	17	-14	-6.5	-8.5	-15.5	0	0.15	0.15	0	-0.575	-1.1	-0.715	-0.18	-0.185	-27	172.5	2.05	183	0.2	106	-25	-	-	-	-	-	-	-
11/9/2020	33	70	68	15	-16	-6	-9	-17	0	0	0	0	-1.02	-1.11	-0.89	-0.11	-0.12	-30	178	3.5	182	0	102	-26	-	-	-	-	-	-	-
11/23/2020	35	67	72	14	-16	-6	-8	-18	0	0	0.3	0	-1.11	-0.8	-0.5	-0.18	-0.11	-30	177	3.2	175	0.1	100	-27	-	-	-	-	-	-	-
November 2020 Avg.	34	68.5	70	14.5	-16	-6	-8.5	-17.5	0	0	0.15	0	-1.065	-0.955	-0.695	-0.145	-0.115	-30	177.5	3.35	178.5	0.05	101	-26.5	-	-	-	-	-	-	-
1/4/2021	16	60	62	14	-8	-4	-8	-10	0	0	0	0	-0.36	-0.31	-0.34	-0.09	-0.08	-18	200	1.1	240	0	72	-16	-	-	-	-	-	-	-
1/18/2021	18	65	69	21	-10	-5	-7.5	-13	0	0	0	0	-1.01	-0.8	-0.99	-0.1	-0.11	-24	220	0.9	228	0	79	-20	-	-	-	-	-	-	-
January 2021 Avg.	17	62.5	65.5	17.5	-9	-4.5	-7.75	-1.5	0	0	0	0	-0.685	-0.555	-0.665	-0.095	-0.095	-21	210	1	234	0	75.5	-18	-	-	-	-	-	-	-
2/5/2021	39	65	65	47	-15	-9	-5	-10	-	-	-	-	-	-	-	-	-	-37	210	-	220	-	80	-	-	-	-	-	-	-	-
2/16/2021	39	70	68	47	-15	-5	-9	-10	0.1	0	0.6	0.2	-2.01	-0.89	-1.88	-0.09	-0.15	-37	210	1.2	221	0.4	80	-30	-	-	-	-	-	-	-
February 2021 Avg.	39	67.5	66.5	47	-15	-7	-10	0.1	0	0.6	0.2	0	-2.01	-0.89	-1.88	-0.09	-0.15	-37													

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 - 11/2023), Phoenix Labs (2/2024), ConTest/Pace Labs (5/2024 -)



Date	Flow Rate	Tetrachloroethene				Trichloroethene				1,2-Dichloroethene				1,2-Dichloroethane				Vinyl Chloride				Total VOC			
		Emissions Rate				Emissions Rate				Emissions Rate				Emissions Rate				Emissions Rate				Emissions Rate			
		PCE			Cumulative	TCE			Cumulative	1,2-DCE			Cumulative	1,2-DCA			Cumulative	Vinyl Chloride			Cumulative	Total VOC			Cumulative
	(CFM)	(ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	(ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	(ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	(ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	(ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	(ug/M3)	(lbs/hr)	(lbs/day)	(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	<0.51	0.000	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	<0.26	0.000	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	<0.26	0.000	0.000	0.000	646	0.000	0.011	8.722
11/10/23	180.0	22.0	0.00001	0.000	0.857	3	0.00000	0.000	0.048	5	0.0000	0.000	0.031	0.4	0.00000	0.000	0.000	<0.26	0.000	0.000	0.000	633	0.000	0.010	9.759
02/20/24	190.0	2,010.0	0.00143	0.034	0.893	19	0.00001	0.000	0.053	8	0.0000	0.000	0.039	<5.02	0.00000	0.000	0.001	<1.0	0.000	0.000	0.000	2,053	0.001	0.035	10.804
05/15/24	180.0	1.9	0.00000	0.000	3.812	2	0.00000	0.000	0.080	3	0.0000	0.000	0.050	<0.40	0.00000	0.000	0.001	<0.26	0.000	0.000	0.000	218	0.000	0.004	13.786
08/13/24	180.0	110.0	0.00007	0.002	3.815	<0.54	0.00000	0.000	0.083	15	0.0000	0.000	0.054	<0.40	0.00000	0.000	0.001	<0.26	0.000	0.000	0.000	362	0.000	0.006	14.104
11/07/24	180.0	1,340.0	0.00090	0.022	3.968	41	0.00003	0.001	0.083	16	0.0000	0.000	0.075	<0.081	0.00000	0.000	0.001	<0.051	0.000	0.000	0.000	1,424	0.001	0.023	14.608
03/06/25	155.0	1,440.0	0.00084	0.020	6.549	22	0.00001	0.000	0.161	9	0.0000	0.000	0.106	<0.202	0.00000	0.000	0.001	<0.128	0.000	0.000	0.000	1,479	0.001	0.021	17.350
AVERAGE:	180.4			0.010				0.000				0.000				0.000				0.000				0.024	

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
MASS EMISSION LIMITS (MEL) per 6NYCRR Part 212-2 Table 2:
PCE: 1,000 lbs/year (or 0.114 lbs/hr)
TCE: 500 lbs/year (or 0.057 lbs/hr)
1,2-DCE: not established
1,2-DCA: 100 lbs/year (or 0.011 lbs/hr)
Vinyl Chloride: 100 lbs/year (or 0.011 lbs/hr)



Appendix A: Site Data Information Sheet

130088
123 POST AVENUE
WESTBURY, NY 11590

O&M CHECKLIST - SVE SYSTEM

Date: 6 MAR 25

Inspected By: MF

System:

SVE Vacuum Relief Valve:

Hour Meter (Hours):

Arrival

On / Off

Open / Closed

Departure

On / Off

Open / Closed

23937.2 (1130)

SVE SYSTEM

Liquid Present in Moisture Separator? Amount?	Yes / <u>No</u>	
Moisture Separator Emptied?	Yes / <u>No</u>	
Moisture Disposal Drum	F / 75 / 50 / 25 / E	
Particulate Filter Inspected?	<u>Yes</u> / No	
Particulate Filter Require Cleaning or Replacement?	Yes / <u>No</u>	
Condition of SVE Shed?	<u>OKAY</u>	
Vegetation Require Maintenance?	Yes / <u>No</u>	
Any Evidence of System Tampering, Vandalism or Damage?	Yes / <u>No</u>	
Exhaust Stack in Good Condition?	<u>Yes</u> / No	

SVE WELL READINGS

SVE Well #	Air Flow (cfm)	Vacuum ("H2O)	PID (ppm)	Flow Control (Ball) Valve	Condition of Well?
RW1-S	<u>26.</u>	<u>-2.9</u>	<u>1.1</u>	O / 75 / 50 / 25 / C	
RW2-S	<u>67.</u>	<u>-8.6</u>	<u>.8</u>	O / 75 / 50 / 25 / C	
RW3-S	<u>60.</u>	<u>-14.5</u>	<u>1.1</u>	O / 75 / 50 / 25 / C	
RW4-S	<u>17.</u>	<u>-16.2</u>	<u>1.3</u>	O / 75 / 50 / 25 / C	

SVE MONITORING POINTS

	Vacuum ("H2O)		Vacuum ("H2O)	Notes
SV-1	<u>-.59</u>	SS-1	<u>.10</u>	
SV-2	<u>-4.9</u>	SS-2	<u>.08</u>	<u>WASH?</u>
SV-3	<u>0</u>			

SVE SYSTEM DATA

	Moisture Separator	Pre-Blower (Influent)	Post-Blower (Effluent)	Notes
Vacuum ("H2O)	<u>-15.</u>	<u>-28.</u>		
Pressure ("H2O)			<u>+2.7</u>	
Air Flow (cfm)		<u>155</u>	<u>172</u>	
PID (ppm)			<u>1.2</u>	
Temp (F)		<u>90</u>	<u>108</u>	

CARBON SYSTEM DATA

	Pre-Carbon	Between Carbon	Post-Carbon	Notes
Air Flow (cfm)				
PID (ppm)				

SVE RADIUS OF INFLUENCE

Piezometer ID	Vacuum ("H2O)	Notes
MW-1		<u>4" ?</u>
MW-2	<u>-1.1</u>	
MW-3	<u>-1.4</u>	

Attached Photographs

✓cd AF: CLEAN & DRY.
AIR SAMPLE @



Appendix B: Laboratory Analytical Report



ANALYTICAL REPORT

Lab Number:	L2514264
Client:	NYDEC_Env. Assessment & Remediation 225 Atlantic Avenue Patchogue, NY 11772
ATTN:	Jolene Lozewski
Phone:	(888) 327-6789
Project Name:	123 POST AVENUE
Project Number:	CO 149579/S 130088
Report Date:	04/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2514264-01	SVEEFF	SOIL_VAPOR	123 POST AVENUE, WESTBURY, NASSAU	03/06/25 10:50	03/07/25

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 28, 2025. The canister certification data is provided as an addendum.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

L2514264-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2514264-01D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2514264-01D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/01/25

AIR

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2514264-01 D
 Client ID: SVEEFF
 Sample Location: 123 POST AVENUE, WESTBURY, NASSAU

Date Collected: 03/06/25 10:50
 Date Received: 03/07/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/30/25 05:19
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.352	0.500	0.125	1.74	2.47	0.618	J	2.5
Chloromethane	ND	0.500	0.189	ND	1.03	0.390		2.5
Freon-114	ND	0.125	0.016	ND	0.874	0.112		2.5
Vinyl chloride	ND	0.050	0.022	ND	0.128	0.056		2.5
Bromomethane	ND	0.050	0.024	ND	0.194	0.091		2.5
Chloroethane	ND	0.250	0.099	ND	0.660	0.261		2.5
Ethanol	ND	12.5	3.38	ND	23.6	6.37		2.5
Trichlorofluoromethane	0.190	0.125	0.023	1.07	0.702	0.129		2.5
1,1-Dichloroethene	ND	0.050	0.019	ND	0.198	0.076		2.5
Tert-Butyl Alcohol	ND	1.25	0.335	ND	3.79	1.02		2.5
Methylene chloride	ND	1.25	0.275	ND	4.34	0.955		2.5
Freon-113	0.063	0.125	0.021	0.479	0.958	0.159	J	2.5
trans-1,2-Dichloroethene	0.073	0.050	0.023	0.287	0.198	0.089		2.5
1,1-Dichloroethane	0.145	0.050	0.022	0.587	0.202	0.087		2.5
Methyl tert butyl ether	ND	0.500	0.065	ND	1.80	0.235		2.5
2-Butanone	0.430	1.25	0.330	1.27	3.69	0.973	J	2.5
cis-1,2-Dichloroethene	2.27	0.050	0.026	9.00	0.198	0.101		2.5
Chloroform	0.188	0.050	0.018	0.918	0.244	0.087		2.5
1,2-Dichloroethane	ND	0.050	0.021	ND	0.202	0.084		2.5
n-Hexane	ND	0.500	0.118	ND	1.76	0.416		2.5
1,1,1-Trichloroethane	0.083	0.050	0.015	0.450	0.273	0.081		2.5
Benzene	ND	0.250	0.075	ND	0.799	0.238		2.5
Carbon tetrachloride	0.058	0.050	0.028	0.362	0.315	0.173		2.5



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2514264-01 D
 Client ID: SVEEFF
 Sample Location: 123 POST AVENUE, WESTBURY, NASSAU

Date Collected: 03/06/25 10:50
 Date Received: 03/07/25
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	ND	0.500	0.078	ND	1.72	0.269		2.5
1,2-Dichloropropane	ND	0.050	0.021	ND	0.231	0.096		2.5
Bromodichloromethane	ND	0.050	0.019	ND	0.335	0.124		2.5
1,4-Dioxane	ND	0.250	0.086	ND	0.901	0.310		2.5
Trichloroethene	4.05	0.050	0.015	21.8	0.269	0.081		2.5
2,2,4-Trimethylpentane	ND	0.500	0.093	ND	2.34	0.432		2.5
Heptane	ND	0.500	0.078	ND	2.05	0.320		2.5
cis-1,3-Dichloropropene	ND	0.050	0.030	ND	0.227	0.134		2.5
4-Methyl-2-pentanone	ND	1.25	0.478	ND	5.12	1.96		2.5
trans-1,3-Dichloropropene	ND	0.050	0.029	ND	0.227	0.131		2.5
1,1,2-Trichloroethane	ND	0.050	0.024	ND	0.273	0.132		2.5
Toluene	0.120	0.250	0.042	0.452	0.942	0.156	J	2.5
Dibromochloromethane	ND	0.050	0.020	ND	0.426	0.170		2.5
1,2-Dibromoethane	ND	0.050	0.023	ND	0.384	0.175		2.5
Tetrachloroethene	212	0.050	0.019	1440	0.339	0.125	E	2.5
Chlorobenzene	ND	0.250	0.065	ND	1.15	0.297		2.5
Ethylbenzene	ND	0.050	0.021	ND	0.217	0.092		2.5
p/m-Xylene	0.068	0.100	0.045	0.293	0.434	0.195	J	2.5
Bromoform	ND	0.050	0.028	ND	0.517	0.287		2.5
Styrene	ND	0.050	0.020	ND	0.213	0.084		2.5
1,1,2,2-Tetrachloroethane	ND	0.050	0.017	ND	0.343	0.115		2.5
o-Xylene	0.028	0.050	0.022	0.119	0.217	0.095	J	2.5
1,3,5-Trimethylbenzene	ND	0.050	0.024	ND	0.246	0.118		2.5
1,2,4-Trimethylbenzene	0.030	0.050	0.019	0.147	0.246	0.093	J	2.5
Benzyl chloride	ND	0.250	0.083	ND	1.29	0.430		2.5
1,3-Dichlorobenzene	ND	0.050	0.019	ND	0.301	0.115		2.5



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2514264-01 D
 Client ID: SVEEFF
 Sample Location: 123 POST AVENUE, WESTBURY, NASSAU

Date Collected: 03/06/25 10:50
 Date Received: 03/07/25
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.050	0.019	ND	0.301	0.113		2.5
1,2-Dichlorobenzene	ND	0.050	0.016	ND	0.301	0.093		2.5
1,2,4-Trichlorobenzene	ND	0.125	0.037	ND	0.928	0.271		2.5
Naphthalene	ND	0.125	0.053	ND	0.655	0.275		2.5
Hexachlorobutadiene	ND	0.125	0.028	ND	1.33	0.293		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

SAMPLE RESULTS

Lab ID: L2514264-01 D2
 Client ID: SVEEFF
 Sample Location: 123 POST AVENUE, WESTBURY, NASSAU

Date Collected: 03/06/25 10:50
 Date Received: 03/07/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/30/25 10:00
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Tetrachloroethene	218	0.200	0.074	1480	1.36	0.502		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/25 18:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01 Batch: WG2046954-4								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/25 18:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01 Batch: WG2046954-4								
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/25 18:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01 Batch: WG2046954-4								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	0.015	0.050	0.015	0.111	0.371	0.108	J	1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1



Lab Control Sample Analysis **Batch Quality Control**

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01 Batch: WG2046954-3								
Dichlorodifluoromethane	106		-		70-130	-		25
Chloromethane	97		-		70-130	-		25
Freon-114	111		-		70-130	-		25
Vinyl chloride	101		-		70-130	-		25
Bromomethane	108		-		70-130	-		25
Chloroethane	103		-		70-130	-		25
Ethanol	90		-		40-160	-		25
Trichlorofluoromethane	100		-		70-130	-		25
1,1-Dichloroethene	103		-		70-130	-		25
Tert-Butyl Alcohol ¹	100		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
Freon-113	98		-		70-130	-		25
trans-1,2-Dichloroethene	95		-		70-130	-		25
1,1-Dichloroethane	96		-		70-130	-		25
Methyl tert butyl ether	96		-		70-130	-		25
2-Butanone	92		-		70-130	-		25
cis-1,2-Dichloroethene	96		-		70-130	-		25
Chloroform	95		-		70-130	-		25
1,2-Dichloroethane	92		-		70-130	-		25
n-Hexane	92		-		70-130	-		25
1,1,1-Trichloroethane	100		-		70-130	-		25
Benzene	91		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01 Batch: WG2046954-3								
Cyclohexane	92		-		70-130	-		25
1,2-Dichloropropane	92		-		70-130	-		25
Bromodichloromethane	96		-		70-130	-		25
1,4-Dioxane	96		-		70-130	-		25
Trichloroethene	95		-		70-130	-		25
2,2,4-Trimethylpentane	95		-		70-130	-		25
Heptane	92		-		70-130	-		25
cis-1,3-Dichloropropene	100		-		70-130	-		25
4-Methyl-2-pentanone	93		-		70-130	-		25
trans-1,3-Dichloropropene	107		-		70-130	-		25
1,1,2-Trichloroethane	95		-		70-130	-		25
Toluene	95		-		70-130	-		25
Dibromochloromethane	101		-		70-130	-		25
1,2-Dibromoethane	99		-		70-130	-		25
Tetrachloroethene	94		-		70-130	-		25
Chlorobenzene	96		-		70-130	-		25
Ethylbenzene	96		-		70-130	-		25
p/m-Xylene	98		-		70-130	-		25
Bromoform	104		-		70-130	-		25
Styrene	101		-		70-130	-		25
1,1,2,2-Tetrachloroethane	97		-		70-130	-		25
o-Xylene	96		-		70-130	-		25
1,3,5-Trimethylbenzene	100		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01 Batch: WG2046954-3								
1,2,4-Trimethylbenzene	100		-		70-130	-		25
Benzyl chloride	87		-		70-130	-		25
1,3-Dichlorobenzene	100		-		70-130	-		25
1,4-Dichlorobenzene	100		-		70-130	-		25
1,2-Dichlorobenzene	99		-		70-130	-		25
1,2,4-Trichlorobenzene	120		-		70-130	-		25
Naphthalene	95		-		70-130	-		25
Hexachlorobutadiene	104		-		70-130	-		25

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Serial_No:04012513:20
Lab Number: L2514264
Report Date: 04/01/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2514264-01	SVEEFF	01479	Flow 3	02/28/25	507718		-	-	-	Pass	160	163	2
L2514264-01	SVEEFF	3592	6.0L Can	02/28/25	507718	L2510544-03	Pass	-29.6	-2.2	-	-	-	-



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2510544
Report Date: 04/01/25

Air Canister Certification Results

Lab ID: L2510544-03
Client ID: CAN 1050 SHELF 53
Sample Location:

Date Collected: 02/26/25 12:00
Date Received: 02/26/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/27/25 03:56
Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2510544
Report Date: 04/01/25

Air Canister Certification Results

Lab ID: L2510544-03
Client ID: CAN 1050 SHELF 53
Sample Location:

Date Collected: 02/26/25 12:00
Date Received: 02/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2510544**Project Number:** CANISTER QC BAT**Report Date:** 04/01/25**Air Canister Certification Results**

Lab ID: L2510544-03

Date Collected: 02/26/25 12:00

Client ID: CAN 1050 SHELF 53

Date Received: 02/26/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2510544
Report Date: 04/01/25

Air Canister Certification Results

Lab ID: L2510544-03
Client ID: CAN 1050 SHELF 53
Sample Location:

Date Collected: 02/26/25 12:00
Date Received: 02/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2510544**Project Number:** CANISTER QC BAT**Report Date:** 04/01/25**Air Canister Certification Results**

Lab ID: L2510544-03

Date Collected: 02/26/25 12:00

Client ID: CAN 1050 SHELF 53

Date Received: 02/26/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	68		60-140
Bromochloromethane	71		60-140
chlorobenzene-d5	76		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2510544
Report Date: 04/01/25

Air Canister Certification Results

Lab ID: L2510544-03
Client ID: CAN 1050 SHELF 53
Sample Location:

Date Collected: 02/26/25 12:00
Date Received: 02/26/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/27/25 03:56
Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2510544
Report Date: 04/01/25

Air Canister Certification Results

Lab ID: L2510544-03
Client ID: CAN 1050 SHELF 53
Sample Location:

Date Collected: 02/26/25 12:00
Date Received: 02/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2510544**Project Number:** CANISTER QC BAT**Report Date:** 04/01/25**Air Canister Certification Results**

Lab ID: L2510544-03

Date Collected: 02/26/25 12:00

Client ID: CAN 1050 SHELF 53

Date Received: 02/26/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	66		60-140
bromochloromethane	68		60-140
chlorobenzene-d5	74		60-140



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Serial_No:04012513:20
Lab Number: L2514264
Report Date: 04/01/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2514264-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)

*Values in parentheses indicate holding time in days



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 123 POST AVENUE
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 123 POST AVENUE
Project Number: CO 149579/S 130088

Lab Number: L2514264
Report Date: 04/01/25

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.** **EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

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Department: **Quality Assurance**

Published Date: 01/24/2025

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

