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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

May 31, 2024

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 May 2024.

Routine Operation & Maintenance

Routine O&M activities were conducted on 5/15/24. 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

5/15/24 - EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site. No condensate was observed in the moisture separator tank. A system air sample for laboratory analysis was collected from the system's effluent air stream. The site data information sheet for 5/15/24 is provided in Appendix A.

Total system uptime for May 2024 is 100%.

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

System Air Sampling

On 5/15/24, 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 as follows:

Contaminant	Effluent Concentration (ug/m3)	Emissions (lbs/hr)	MEL[1] (lbs/hr)
PCE	1.9	0.000001	0.114
TCE	1.7	0.000001	0.057
1,2-DCE	2.9	0.000002	Not established
1,2-DCA	<0.40	0.000	0.011
Vinyl Chloride	<0.26	0.000	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:
S. Bogardus (DOH)
J. Lawrence (EAR)

[1] Mass Emission Limits as per 6NYCRR Part 212-2

TABLES

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-1S	RW-2S	RW-3S	RW-4S	RW-1S	RW-2S	RW-3S	RW-4S	RW-1S	RW-2S	RW-3S	RW-4S	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	-30.732	-	-	-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	1	122	-25.5	-	-	-	-	-	-	
10/12/2020	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	-7	-10	0.1	0	0.6	0.2	-2.01	-0.89	-1.88	-0.09	-0.15	-37	210	1.2	220.5	0.4	80	-30	-	-	-	-	-	-	
3/1/2021	35	70	72	44	-15	-6	-8	-10	0	0.1	0.4	0	-0.88	-1.1	-0.99	-0.08	-0.07	-38	210	1.9	210	0.3	88	-30	-	-	-	-	-	-	
3/15/2021	37	70	72	47	-16	-6	-9	-10	0.1	0.7	0.2	0.3	-1.1	-1.3	-0.95	-0.07	-0.06	-38	224	1.9	238	0.3	79	-34	-	-	-	-	-	-	
3/29/2021	37	70	71	48	-16	-6	-8	-10	0.7	3.6	1.1	0.3	-1.2	-0.8	-0.99	-0.1	-0.09	-38	210	2.4	230	5.2	98	-30	-	-	-	-	-	-	
March 2021 Avg.	36.3	70.0	71.7	46.3	-15.7	-6	-8.3	-10	0.3	1.5	0.6	0.2	-1.06	-1.07	-0.98	-0.08	-0.07	-38	214.7	2.1	226	1.9	88.3	-31.3	-	-	-	-	-	-	
4/12/2021	36	71	74	44	-16	-7	-8	-10	0.2	0.1	0.4	0.3	-1.11	-0.68	-0.9	-0.1	-0.11	-39	211	1.8	214	0.5	92	-42	-	-	-	-	-	-	
4/26/2021	36	67	72	47	-16	-6	-8	-11	1.2	72.4	19.5	1.6	-1.11	-0.9	-0.78	-0.2	-0.18	-40	210	2.2	224	68.1	94	-32	-	-	-	-	-	-	
April 2021 Avg.	36.0	69.0	73.0	45.5	-16.0	-6.5	-8.0	-10.5	0.7	36.3	10.0	0.95	-1.11	-0.79	-0.84	-0.15	-0.15	-39.5	210.5	2.0	219	34.3	93.0	-37.0	-	-	-	-	-	-	
5/10/2021	28	65	72	14.5	-15.6	-3.9	-7.6	-9.5	0	0	0	0	-	-0.54	-0.42	-	-	-33	208	2	220	0	99	-16	-	-	-	-	-	-	
5/24/2021	39	74	72	50	-17	-4	-9	-11	0.2	0	0.1	0	-1.11	-0.9	-1.2	-0.11	-0.08	-40	210	2.1	225	0.3	106	-34	-	-	-	-	-	-	
May 2021 Avg.	33.5	69.5	72.0	32.3	-16.3	-3.95	-8.3	-10.25	0.1	0	0.1	0	-1.11	-0.72	-0.81	-0.11	-0.08	-36.5	209.0	2.1	222.5	0.2	102.5	-25.0	-	-	-	-	-	-	
8/17/2021	26	60	70	40	-12	-5	-6	-8	3.8	3.8	3.7	3.8	-	-	-	-		-28	200	0	200	4.2	110	-22	-	-	-	-	-	-	
8/31/2021	26	63	70	39	-12	-6	-7	-9	0.2	0.1	1.1	0.7	-1.1	-0.9	-1.2	-0.11	-0.12	-28	168	2.5	182	0.8	102	-22	-	-	-	-	-	-	
August 2021 Avg.	26.0	61.5	70.0	39.5	-12.0	-5.5	-6.5	-8.5	2.0	2	2.4	2.25	-1.1	-0.90	-1.20	-0.11	-0.12	-28	184.0	1.3	191	2.5	106.0	-22.0	-	-	-	-	-	-	
9/13/2021	27	66	72	35	-13	-6	-8	-9	0.1	0.2	0	0.3	-1.4	-0.7	-1	-0.1	-0.12	-28	170	2.2	185	0.9	100	-23	-	-	-	-	-	-	
9/29/2021	26	63	72	39	-13	-5	-7	-8	0.2	0.7	0	0.4	-1.1	-0.88	-0.61	-0.14	-0.12	-27	170	2.1	182	0.9	85	-23	-	-	-	-	-	-	
Sept. 2021 Avg.	26.5	64.5	72.0	37.0	-13.0	-5.5	-7.5	-8.5	0.2	0.5	0.0	0.35	-1.25	-0.79	-0.81	-0.12	-0.12	-27.5	170.0	2.2	183.5	0.9	92.5	-23.0	-	-	-	-	-	-	
10/13/2021	28	65	70	40	-13	-6	-7	-10	0.2	0.1	1	0.8	-1.5	-0.9	-1	-0.1	-0.12	-27	170	2.7	177	1.2	97	-22	-	-	-	-	-	-	
10/25/2021	31	65	72	36	-13	-7	-7	-10	0.1	1.2	1	0.4	-1.1	-1.2	-0.9	-0.12	-0.14	-29	170	2.4	180	1.2	97	-21	-	-	-	-	-	-	
October 2021 Avg.	29.5	65.0	71.0	38.0	-13.0	-6.5	-7.0	-10	0.2	0.7	1.0	0.6	-1.3	-1.05	-0.95	-0.11	-0.13	-28	170.0	2.6	178.5	1.2	97.0	-21.5	-	-	-	-	-	-	
11/10/2021	24	65	73	42	-15	-6	-8	-9	0	0.7	1.2	0.2	-1.1	-0.98	-1.2	-0.16	-0.14	-30	180	2.1	175	1.1	86	-22	-	-	-	-	-	-	
11/23/2021	20	65	70	40	-15	-5	-8	-8	0.3	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	-30	180	0	180	0.6	50	-30	-	-	-	-	-	-	
November 2021 Avg.	22.0	65.0	71.5	41.0	-15.0	-5.5	-8.0	-8.5	0.2	1.0	1.2	0.4	-0.55	-0.49	-0.60	-0.08	-0.07	-30	180.0	1.1	177.5	0.9	68.0	-26.0	-	-	-	-	-	-	
12/9/2021	28	64	70	41	-15	-6	-8	-9	0.1	1.1	1.2	0.8	-1	-1.1	-0.9	-0.1	-0.12	-30	175	2.1	180	0.9	80	-12	-	-	-	-	-	-	
12/21/2021	20	65	70	40	-15	-5	-7	-8	0.3	0.2	0.2	0	0.0	0.0	0.0	0.0	0.0	-30	200	0	200	0.1	50	-10	-	-	-	-	-	-	
December 2021 Avg.	24.0	64.5	70.0	40.5	-15.0	-5.5	-7.5	-8.5	0.2	0.7	0.7	0.4	-0.5	-0.55	-0.45	-0.05	-0.06	-30	187.5	1.1	190	0.5	65.0	-11.0	-	-	-	-	-	-	
1/3/2022	32	63	71	44	-15	-7	-8	-9	0	0	0.5	0.2	-1.1	-0.98	-1.2	-0.1	-0.12	-29	177	2.2	180	0.3	75	-13	-	-	-	-	-	-	
1/18/2022	34	70	74	48	-16	-6	-9	-10	1.4	0.2	0	0.4	-1.2	-1.0	-0.8	-0.1	-0.2	-28	174	2	180	1.1	68	-14	-	-	-	-	-	-	
January 2022 Avg.	33.0	66.5	72.5	46.0	-15.5	-6.5	-8.5	-9.5	0.7	0.1	0.3	0.3	-1.15	-0.98	-0.99	-0.11	-0.14	-28.5	175.5	2.1	180	0.7	71.5	-13.5	-	-	-	-	-	-	
2/3/2022	32	68	71	45	-18	-7	-10	-12	1.1	0	0	0	-	-	-	-	-	-22	165	2	180	1	58	-12	0	2/3/2022 11:15	-	-	-		
2/18/2022	26	64	70	40	-14	-7	-8	-10	0	0.1	0	0	-1.1	-0.98	-0.9	-0.14	-0.12	-30	170	1.8	170	0	-	-12	343	2/18/2022 9:52	343.0	358.6	96%	February	98%
February 2022 Avg.	29.0	66.0	70.5	42.5	-16.0	-7	-9.0	-11	0.6	0.1	0.0	0	-1.1	-0.98	-0.90	-0.14	-0.12	-26	167.5	1.9	175	0.5	58.0	-12.0	-	-	-	-	-		
3/10/2022	26	62	65	37	-14	-6.5	-7	-9.5	0	9.5	0	0	-0.25	-2.7	-0.26	-0.17	-0.09	-30	180	4.4	182	0.1	77	-17	785.3	3/10/2022 10:06	442.3	480.2	92%	March	95%
4/4/2022	26	65	15.1	29	-14	-7	-8	-9	0	0.9	0	0	-0.78	-0.82	-1.1	-0.16	-0.18	28	180	4.4	185	0.8	90	-14	1294.5	4/4/2022 12:51	509.2	602.8	84%	April	87%
5/3/2022	18	65	74	41	-17	-7	-8	-9	0	0	0	0	-0.9	-0.99	-1.1	-0.11	-0.15	-30	180	1.9	188	0	101	-13	1988.4	5/3/2022 10:45	693.9	693.9	100%	May	98%
5/18/2022	28	65	73	40	-14	-6	-7	-9	0	0	0	0	-0.9	-1.1	-1.12	-0.14	-0.13	-30	180	1.7	185	0	91	-13	2332.4	5/18/2022 9:10	344.0	358.4	96%		
6/13/2022	28	64	75	40	-14	-6	-8	-9	0	0	0.1	0.1	-1.22	-0.91	-0.97	-0.1	-0.14	-28	175	1.8	180	0.1	106	-13	2957	6/13/2022 9:49	624.6	624.7	100%	June	100%
7/11/2022	27	65	71	37	-15	-7	-8	-9	0	0.1	0.1	0	-1	-0.9	-0.98	-0.1	-0.12	-28	175	2	180	0.1	109	-14	3630.5	7/11/2022 11:22	673.5	673.5	100%	July	95%
8/1/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4083	8/1/2022 11:41	452.5	504.3	90%	August	88%
8/11/2022	30	65	71	39	-13	-6	-7	-8	0	1.1	0.8	0	-1.02	-0.9	-0.88	-0.15	-0.17	-28	180	2	180	1	109	-14	4230.7	8/11/2022 10:52	147.7	239.2	62%		
9/2/2022	28	64	65	39	-12.5	-6	-7	-8.5	0.1	0.7	0.4	1	-1.1	-1.1	-0.9	-0.12	-0.16	-27	185	4.6	190	1.3	106	-23.5	4759.4	9/2/2022 11:34	528.7	528.7	100%	September	100%
10/3/2022	28	65	70	39	-13	-7	-8	-9.5	4.1	12.2	10.4	18.2	-1.02	-0.88	-0.7	-0.14	-0.12	-30	185	1.7	190	6.4	88	-18	5502.5	10/3/2022 10:44	743.1	743.2	100%	October	100%
11/1/2022	32	66	72	39	-14	-6	-8	-9	0.1	0.9	0.8	0.4	-1.1	-0.88	-0.69	-0.12	-0.14	-30	170	2	180	0.7	90	-15	6198.1	11/1/2022 10:18	695.6	695.6	100%	November	85%
11/18/2022	28	64	71	39	-15	-7.5	-8	-9	0.2	0	0	0	-0.88	-0.9	-0.61	-0.12	-0.13	-32	180	2.2	185	0.1	75	-16	6571.1	11/18/2022 7:00	373.0	404.7	92%		
11/23/2022	30	62	70	34	-14.5	-7	-8.5	-10.5	0	0.3	0.02	0.2	-0.11	-0.2	-0.9	-1.2	-1.1	-29	175	1.3	180	0.1	82	-14	6618.8	11/23/2022 11:39	47.7	124.7	38%		
12/13/2022	28	64	70	19	-14	-7	-8	-10	0	0.2	0	0	-0.96	-0.98	-1.02	-0.12	-0.13	-31	175	1.7	180	0.1	70	-14	7076	12/13/2022 9:15	457.2	477.6	96%	December	53%
12/19/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7148	12/19/2022 8:25	72.0	143.2	50%		
1/18/2023	30	65	65	30	-14	-7.5	-8	-11	0.3	0.3	0.4	0.3	-1.1	-1.1	-1.2	-0.12	-0.16	-30	165	5.3	180	0.4	80	-25	7148	1/18/2023 12:45	0.0	724.3	0%	January	43%
2/14/2023	23	60	66	30	-21	-9.2	-8.2	-20.6	3.1	4.3	3.8	2.4	-0.4	0	0	-	-	-23.5	170	-	184	3.6	90	-27.5	7841.1	2/14/2023 9:45	693.1	645	107%	February	100%
3/13/2023	33	73	61	28	-12.8	-6.7	-7.4	-16.7	0.1	0.1	0.1	0.3	-0.1	0	0	-	-	-33	170	2.7	188	0.2	80	-32	7148.1	3/13/2023 8:30	-693	646.7	100%	March	100%
4/12/2023	37	71	74	18	-16	-8	-9	-19	0	0.2	0.1	0	-1.02	-0.98	-1.1	-0.12	-0.13	-30	175	1.6	180	0.2	92	-26	7819.1	4/12/2023 10:46	671	722.3	100%	April	100%
5/16/2023	35	72	74	20	-16	-8	-9	-18	0	0	0	0	-1.02	-0.88	-1.21	-0.18	-0.2	-30	170	2.1	185	0	108	-25	8636.7	5/16/2023 12:23	817.6	817.6	100%	May	100%
6/5/2023	37	68	18	14	-6.2	-7.7	-6.9	-17	0.8	1	1.4	1.2	2.31	-1.18	-0.68	-	-	-31	165	3.6	188	0.4	97	-28	not recorded		-	-	100%	June	100%
7/11/2023	36	62	70	13	-8	-7.1	-7.4	-16.1	0	0.4	0	0	-1.09	-0.98	-0.57	-	-	-31	160	2.7	190	0	106	-28	9977.3	7/11/2023 8:45	1340.6	1340.4	100%	July	100%
8/8/2023	37	64	67	12	-12.7	-7.4	-6.9	-16	0	0	0	0	-0.88	1.4	-0.54	-	-	-29.5	175	3.4	190	0.8	104	-27	10648.9	8/8/2023 8:00	671.6	671.3	100%	August	91%
8/9/2023	40	70	68	20	-15	-10	-8	-18	-	-	-	-	-	-	-	-	-	-30	180	-	190	-	98	-27	10664.1	8/9/2023 11:38	15.2	27.6	55%		
8/23/2023	39	65	65	15	-16	-9	-10	-18	0	0	0	0	-	-	-	-	-	-32	175	0	175	0	100	-12	10977.2	8/23/2023 9:30	313.1	333.9	94%		
9/7/2023	38	62	70	15	-12.3	-7.6	-7	-15.6	0.1	0	0.2	0	-1.07	-2.25	0.12	0	-0.09	-28	165	3.9	175	0.4	110	-26.5	11336	9/7/2023 8:30	358.8	359.0	100%	September	100%
10/3/2023	39	74	70	19	-17	-10	-10	-18	0.2	1	0	0	-1.2	-0.61	-1.02	-0.18	-0.12	-31	172	2.3	178	1.2	100	-25	11957.9	10/3/2023 6:06	621.9	621.6	100%	October	100%
11/10/2023	29	70	72	18	-17	-10	-10	-20	0.3	0.9	0.6	0	-0.49	-0.72	-0.6	-0.12	-0.19	-32	180	1.9	180	0.7	84	-26	12872	11/10/2023 7:15	914.1	913.2	100%	November	100%
12/4/2023	33	70	74	19	-17	-15	-10	-22	0	0.3	0.4	0.1	-0.69	-0.7	-0.61	-0.12	-0.11	-32	175	1.9	180	0.3	NR	-22	13449.5	12/4/2023 8:47	577.5	577.5	100%	December	99%
12/15/2023	37	74	72	18	-17	-10	-11	-20	0.2	0.1	0.4	0	-0.9	-0.7	-0.68	-	-	-32	175	2.2	180	0.1	78	-16	13704.5	12/15/2023 11:15	255	266.5	96%		
1/5/2024	40	75	72	19	-18	-11	-10	-20	0	0.5	0.3	0	-0.8	-0.67	-0.75	-0.12	-0.14	-30	170	2.1	175	0.4	80	-20	14182.7	1/5/2024 11:32	478.2	504.3	95%	January	97%
1/19/2024	37	74	70	20	-18	-12	-11	-21	0.1	1.2	1.4	0	-0.7	-0.64	-0.81	-0.12	-0.14	-33	170	2.4	175	1.2	72	-25	14514.5	1/19/2024 7:23	331.8	331.8	100%		
2/2/2024	15	70	74	20	-25	-12	-12	-24	0.2	1.1	0	0	-0.69	-0.8	-0.74	-0.12	-0.11	-36	170	2.3	175	0.6	88	-32	14850.9	2/2/2024 7:48	336.4	336.4	100%	February	93%
2/20/2024	37	64	45	9	-8.03	-8.75	-14	-13.5	0.2	0	0.1	0	-0.89	-1.07	-0.57	-	-	-32	183	3.2	190	0.2	70	-28	15283.2	2/20/2024 8:05	432.3	432.3	100%		
2/27/2024	35	69	74	20	-18	-10	-11	-22	0	0.4	0.1	0	-	-	-	-	-	-32	175	2.6	180	0.2	70	-28	15400.8	2/27/2024 9:20	117.6	169.3	69%		
3/5/2024	32	68	54	23	-18	-11	-10	-18.3	0	0	0	0	-0.1	0	0	0	0	-33	170	0.5	170	1.5	83	-26	15573.2	3/5/2024 13:30	172.4	172.2	100%	March	100%
3/21/2024	33	70	74	20	-19	-12	-11	-21	0.2	0	0.4	0.3	-0.7	-0.89	-0.9	-0.1	-0.12	-33	175	2.2	180	0.2	88	-26	15952.9	3/21/2024 11:00	379.7	381.5	99%		
4/3/2024	30	52	49	11	-17	-9	-9	-19	0	0.1	0	0.1	0.94	water	-0.49	-	-	-32	185	2.4	158	0.1	80	-29	16263.6	4/3/2024 10:25	310.7	311.4	100%	April	95%
4/5/2024	28	70	74	18	-19	-12	-12	-22	0	0.1	0.2	0.1	-0.8	-0.69	-0.71	-0.12	-0.14	-33	170	2.4	180	0.1	80	-28	16275.6	4/5/2024 9:32	12	47.1	25%		
4/18/2024	26	70	72	19	-22	-12	-11	-24	0	1.4	0	0	-0.69	-0.8	-0.91	-0.14	-0.13	-35	175	2.4	180	0.4	86	-29	16590.4	4/18/2024 12:50	314.8	315.3	100%		
5/15/2024	28	72	75	18	-20	-12	-11	-22	0	0.2	0	0	-0.69	-0.8	-0.77	-0.12	-0.14	-34	175	1.4	180	0.1	100	-28	17235.5	5/15/2024 10:03	645.1	645.2	100%	May	100%

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**
AVERAGE:	**184.8**			**0.007**				**0.000**				**0.000**				**0.000**				**0.000**				**0.027**	

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: Site Data Information Sheets

130088
123 POST AVENUE
WESTBURY, NY 11590

O&M CHECKLIST - SVE SYSTEM

Date: 5/15/24 Inspected By: JB

	Arrival	Departure
System:	(On) / Off	(On) / Off
SVE Vacuum Relief Valve:	Open / (Closed)	Open / (Closed)
Hour Meter (Hours):	17239.5 @ 10:03	

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

SVE WELL READINGS

SVE Well #	Air Flow (cfm)	Vacuum ("H2O)	PID (ppm)	Flow Control (Ball) Valve	Condition of Well?
RW1-S	28	-20	0	(O) / 75 / 50 / 25 / C	
RW2-S	72	-12	0.2	(O) / 75 / 50 / 25 / C	
RW3-S	75	-11	0	(O) / 75 / 50 / 25 / C	
RW4-S	18	-22	0	(O) / 75 / 50 / 25 / C	

SVE MONITORING POINTS

	Vacuum ("H2O)		Vacuum ("H2O)	Notes
SV-1	-.69	SS-1	-.12	
SV-2	-.80	SS-2	-.14	
SV-3	-.77			

SVE SYSTEM DATA

	Moisture Separator	Pre-Blower (Influent)	Post-Blower (Effluent)	Notes
Vacuum ("H2O)	-28	-34		
Pressure ("H2O)			+2.4 +1.4	
Air Flow (cfm)		175	180	
PID (ppm)			0.1	
Temp (F)		—	100	

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	-1.02	
MW-2	—	
MW-3	—	

Attached Photographs
cleared Vegitation around shed

Appendix B: Laboratory Analytical Report

con-test®
A Pace Analytical® Laboratory

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

May 22, 2024

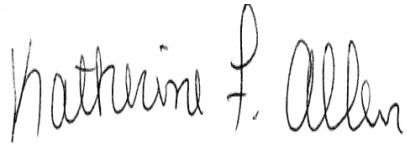
Ian Hofmann
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: Westbury, NY
Client Job Number:
Project Number: 130088
Laboratory Work Order Number: 24E2416

Enclosed are results of analyses for samples as received by the laboratory on May 17, 2024. 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

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

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

REPORT DATE: 5/22/2024

PURCHASE ORDER NUMBER: 149579

PROJECT NUMBER: 130088

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24E2416

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

PROJECT LOCATION: Westbury, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE EFF	24E2416-01	Air		EPA TO-15	

con-test®
A Pace Analytical® Laboratory

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

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 5/17/2024
Field Sample #: SVE EFF
Sample ID: 24E2416-01
Sample Matrix: Air
Sampled: 5/15/2024 11:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1317
Canister Size: 6 liter
Flow Controller ID: 4667
Sample Type: 30 min

Work Order: 24E2416
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Benzene	0.44	0.10	0.031		1.4	0.32	0.099	2	5/17/24 20:58	CMR
Benzyl chloride	ND	0.10	0.051		ND	0.52	0.26	2	5/17/24 20:58	CMR
Bromodichloromethane	ND	0.10	0.041		ND	0.67	0.27	2	5/17/24 20:58	CMR
Bromoform	ND	0.10	0.024		ND	1.0	0.25	2	5/17/24 20:58	CMR
Bromomethane	ND	0.10	0.085		ND	0.39	0.33	2	5/17/24 20:58	CMR
2-Butanone (MEK)	8.8	4.0	2.0		26	12	5.8	2	5/17/24 20:58	CMR
tert-Butyl Alcohol (TBA)	ND	0.41	0.15		ND	1.2	0.47	2	5/17/24 20:58	CMR
Carbon Tetrachloride	0.10	0.10	0.079		0.64	0.63	0.50	2	5/17/24 20:58	CMR
Chlorobenzene	ND	0.10	0.033		ND	0.46	0.15	2	5/17/24 20:58	CMR
Chloroethane	ND	0.10	0.092		ND	0.26	0.24	2	5/17/24 20:58	CMR
Chloroform	0.12	0.10	0.049		0.60	0.49	0.24	2	5/17/24 20:58	CMR
Chloromethane	ND	0.20	0.13		ND	0.41	0.28	2	5/17/24 20:58	CMR
Cyclohexane	0.14	0.10	0.078		0.47	0.34	0.27	2	5/17/24 20:58	CMR
Dibromochloromethane	ND	0.10	0.067		ND	0.85	0.57	2	5/17/24 20:58	CMR
1,2-Dibromoethane (EDB)	ND	0.10	0.062		ND	0.77	0.48	2	5/17/24 20:58	CMR
1,2-Dichlorobenzene	ND	0.10	0.032		ND	0.60	0.19	2	5/17/24 20:58	CMR
1,3-Dichlorobenzene	15	0.10	0.030		90	0.60	0.18	2	5/17/24 20:58	CMR
1,4-Dichlorobenzene	ND	0.10	0.048		ND	0.60	0.29	2	5/17/24 20:58	CMR
Dichlorodifluoromethane (Freon 12)	0.24	0.10	0.042		1.2	0.49	0.21	2	5/17/24 20:58	CMR
1,1-Dichloroethane	0.13	0.10	0.049		0.54	0.40	0.20	2	5/17/24 20:58	CMR
1,2-Dichloroethane	ND	0.10	0.038		ND	0.40	0.15	2	5/17/24 20:58	CMR
1,1-Dichloroethylene	ND	0.10	0.070		ND	0.40	0.28	2	5/17/24 20:58	CMR
cis-1,2-Dichloroethylene	0.74	0.10	0.048		2.9	0.40	0.19	2	5/17/24 20:58	CMR
trans-1,2-Dichloroethylene	ND	0.10	0.047		ND	0.40	0.19	2	5/17/24 20:58	CMR
1,2-Dichloropropane	ND	0.10	0.074		ND	0.46	0.34	2	5/17/24 20:58	CMR
cis-1,3-Dichloropropene	ND	0.10	0.051		ND	0.45	0.23	2	5/17/24 20:58	CMR
trans-1,3-Dichloropropene	ND	0.10	0.097		ND	0.45	0.44	2	5/17/24 20:58	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	0.040		ND	0.70	0.28	2	5/17/24 20:58	CMR
1,4-Dioxane	ND	1.0	0.49		ND	3.6	1.8	2	5/17/24 20:58	CMR
Ethanol	5.4	4.0	2.7		10	7.5	5.0	2	5/17/24 20:58	CMR
Ethylbenzene	1.1	0.10	0.034		4.6	0.43	0.15	2	5/17/24 20:58	CMR
Heptane	0.38	0.10	0.063		1.5	0.41	0.26	2	5/17/24 20:58	CMR
Hexachlorobutadiene	ND	0.10	0.059		ND	1.1	0.63	2	5/17/24 20:58	CMR
Hexane	ND	4.0	2.1		ND	14	7.4	2	5/17/24 20:58	CMR
Methyl tert-Butyl Ether (MTBE)	0.34	0.10	0.049		1.2	0.36	0.18	2	5/17/24 20:58	CMR
Methylene Chloride	ND	1.0	0.27		ND	3.5	0.93	2	5/17/24 20:58	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10	0.048		ND	0.41	0.19	2	5/17/24 20:58	CMR
Naphthalene	0.21	0.10	0.081		1.1	0.52	0.43	2	5/17/24 20:58	CMR
Styrene	ND	0.10	0.077		ND	0.43	0.33	2	5/17/24 20:58	CMR
1,1,2,2-Tetrachloroethane	ND	0.10	0.025		ND	0.69	0.17	2	5/17/24 20:58	CMR
Tetrachloroethylene	0.28	0.10	0.086		1.9	0.68	0.58	2	5/17/24 20:58	CMR
Toluene	2.9	0.10	0.050		11	0.38	0.19	2	5/17/24 20:58	CMR
1,2,4-Trichlorobenzene	0.082	0.10	0.058	J	0.61	0.74	0.43	2	5/17/24 20:58	CMR
1,1,1-Trichloroethane	ND	0.10	0.045		ND	0.55	0.25	2	5/17/24 20:58	CMR
1,1,2-Trichloroethane	ND	0.10	0.035		ND	0.55	0.19	2	5/17/24 20:58	CMR
Trichloroethylene	0.31	0.10	0.077		1.7	0.54	0.41	2	5/17/24 20:58	CMR
Trichlorofluoromethane (Freon 11)	0.30	0.40	0.041	J	1.7	2.2	0.23	2	5/17/24 20:58	CMR

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 5/17/2024
Field Sample #: SVE EFF
Sample ID: 24E2416-01
Sample Matrix: Air
Sampled: 5/15/2024 11:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1317
Canister Size: 6 liter
Flow Controller ID: 4667
Sample Type: 30 min

Work Order: 24E2416
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.074	0.40	0.027	J	0.57	3.1	0.21	2	5/17/24 20:58	CMR
1,2,4-Trimethylbenzene	5.5	0.10	0.060		27	0.49	0.29	2	5/17/24 20:58	CMR
1,3,5-Trimethylbenzene	0.88	0.10	0.077		4.3	0.49	0.38	2	5/17/24 20:58	CMR
2,2,4-Trimethylpentane	0.27	0.27	0.086		1.3	1.3	0.40	2	5/17/24 20:58	CMR
Vinyl Chloride	ND	0.10	0.051		ND	0.26	0.13	2	5/17/24 20:58	CMR
m&p-Xylene	4.3	0.20	0.068		19	0.87	0.30	2	5/17/24 20:58	CMR
o-Xylene	1.6	0.10	0.031		7.1	0.43	0.14	2	5/17/24 20:58	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	5/17/24 20:58
4-Bromofluorobenzene (2)	108	70-130	5/17/24 20:58

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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
24E2416-01 [SVE EFF]	B375024	1.5	1	N/A	1000	400	300	05/17/24

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B375024 - TO-15 Prep											
Blank (B375024-BLK1)					Prepared & Analyzed: 05/17/24						
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
2-Butanone (MEK)	ND	1.4									
tert-Butyl Alcohol (TBA)	ND	0.14									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethylbenzene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B375024 - TO-15 Prep											
Blank (B375024-BLK1)					Prepared & Analyzed: 05/17/24						
Trichlorofluoromethane (Freon 11)	ND	0.14									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
2,2,4-Trimethylpentane	ND	0.094									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*7.87*				*8.00*		*98.4*	*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*8.25*				*8.00*		*103*	*70-130*			
LCS (B375024-BS1)					Prepared & Analyzed: 05/17/24						
Benzene	5.00				5.00		100	70-130			
Benzyl chloride	5.64				5.00		113	70-130			
Bromodichloromethane	4.84				5.00		96.7	70-130			
Bromoform	5.39				5.00		108	70-130			
Bromomethane	5.05				5.00		101	70-130			
2-Butanone (MEK)	4.60				5.00		92.1	70-130			
Carbon Tetrachloride	5.28				5.00		106	70-130			
Chlorobenzene	4.73				5.00		94.6	70-130			
Chloroethane	5.45				5.00		109	70-130			
Chloroform	4.68				5.00		93.5	70-130			
Chloromethane	4.73				5.00		94.6	70-130			
Cyclohexane	5.04				5.00		101	70-130			
Dibromochloromethane	5.18				5.00		104	70-130			
1,2-Dibromoethane (EDB)	4.82				5.00		96.4	70-130			
1,2-Dichlorobenzene	5.33				5.00		107	70-130			
1,3-Dichlorobenzene	5.64				5.00		113	70-130			
1,4-Dichlorobenzene	5.47				5.00		109	70-130			
Dichlorodifluoromethane (Freon 12)	4.30				5.00		86.1	70-130			
1,1-Dichloroethane	4.66				5.00		93.2	70-130			
1,2-Dichloroethane	4.60				5.00		92.0	70-130			
1,1-Dichloroethylene	4.80				5.00		96.1	70-130			
cis-1,2-Dichloroethylene	4.63				5.00		92.6	70-130			
trans-1,2-Dichloroethylene	4.58				5.00		91.7	70-130			
1,2-Dichloropropane	4.62				5.00		92.4	70-130			
cis-1,3-Dichloropropene	4.79				5.00		95.7	70-130			
trans-1,3-Dichloropropene	5.49				5.00		110	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.59				5.00		91.9	70-130			
1,4-Dioxane	5.00				5.00		100	70-130			
Ethanol	5.38				5.00		108	70-130			
Ethylbenzene	5.03				5.00		101	70-130			
Heptane	5.54				5.00		111	70-130			
Hexachlorobutadiene	4.89				5.00		97.8	70-130			
Hexane	4.82				5.00		96.5	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B375024 - TO-15 Prep											
LCS (B375024-BS1)					Prepared & Analyzed: 05/17/24						
Methyl tert-Butyl Ether (MTBE)	4.79				5.00		95.8	70-130			
Methylene Chloride	4.61				5.00		92.3	70-130			
4-Methyl-2-pentanone (MIBK)	5.47				5.00		109	70-130			
Naphthalene	4.28				5.00		85.6	70-130			
Styrene	5.22				5.00		104	70-130			
1,1,2,2-Tetrachloroethane	4.83				5.00		96.6	70-130			
Tetrachloroethylene	4.83				5.00		96.6	70-130			
Toluene	5.12				5.00		102	70-130			
1,2,4-Trichlorobenzene	4.64				5.00		92.9	70-130			
1,1,1-Trichloroethane	4.88				5.00		97.6	70-130			
1,1,2-Trichloroethane	4.67				5.00		93.5	70-130			
Trichloroethylene	4.96				5.00		99.2	70-130			
Trichlorofluoromethane (Freon 11)	5.97				5.00		119	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.86				5.00		97.2	70-130			
1,2,4-Trimethylbenzene	5.28				5.00		106	70-130			
1,3,5-Trimethylbenzene	5.18				5.00		104	70-130			
Vinyl Chloride	4.89				5.00		97.9	70-130			
m&p-Xylene	10.5				10.0		105	70-130			
o-Xylene	5.31				5.00		106	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.53*				*8.00*		*107*	*70-130*			
LCS (B375024-BS2)					Prepared & Analyzed: 05/17/24						
tert-Butyl Alcohol (TBA)	2.27				2.06		110	70-130			
2,2,4-Trimethylpentane	1.47				1.34		110	70-130			
Surrogate: 4-Bromofluorobenzene (2)	*8.26*				*8.00*		*103*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

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

ANALYST

LAW	Lisa A. Worthington
KKS	Kyle K. Stuckey
KMC	Kristen M Couture
CMR	Catherine M. Rouleau

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S100759-ICV1)			Lab File ID: G24A052016.D			Analyzed: 02/21/24 06:08			
Bromochloromethane (1)	585119	8.024	623550	8.03	94	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1633998	9.792	1640491	9.798	100	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1489687	14.151	1505348	14.151	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1682759	9.792	1705811	9.792	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	360082	14.151	365297	14.151	99	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 (S104798-CCV1)			Lab File ID: G24A138003.D			Analyzed: 05/17/24 10:26			
Bromochloromethane (1)	729297	8.03	623550	8.03	117	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1737782	9.798	1640491	9.798	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1632453	14.151	1505348	14.151	108	60 - 140	0.0000	+/-0.50	
LCS (B375024-BS1)			Lab File ID: G24A138004.D			Analyzed: 05/17/24 11:06			
Bromochloromethane (1)	732020	8.024	729297	8.03	100	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1784162	9.798	1737782	9.798	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1642917	14.151	1632453	14.151	101	60 - 140	0.0000	+/-0.50	
Calibration Check (S104798-CCV2)			Lab File ID: G24A138007.D			Analyzed: 05/17/24 13:06			
1,4-Difluorobenzene (2)	1804150	9.798	1705811	9.792	106	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (2)	392238	14.151	365297	14.151	107	60 - 140	0.0000	+/-0.50	
LCS (B375024-BS2)			Lab File ID: G24A138008.D			Analyzed: 05/17/24 13:47			
1,4-Difluorobenzene (2)	1780113	9.792	1804150	9.798	99	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	382729	14.151	392238	14.151	98	60 - 140	0.0000	+/-0.50	
Blank (B375024-BLK1)			Lab File ID: G24A138011.D			Analyzed: 05/17/24 15:58			
Bromochloromethane (1)	681890	8.036	729297	8.03	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1611716	9.798	1737782	9.798	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1502162	14.151	1632453	14.151	92	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1609968	9.798	1804150	9.798	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	349314	14.145	392238	14.151	89	60 - 140	-0.0060	+/-0.50	
SVE EFF (24E2416-01)			Lab File ID: G24A138018.D			Analyzed: 05/17/24 20:58			
Bromochloromethane (1)	687649	8.03	729297	8.03	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1661245	9.792	1737782	9.798	96	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1600273	14.145	1632453	14.151	98	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1660457	9.792	1804150	9.798	92	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	373351	14.145	392238	14.151	95	60 - 140	-0.0060	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S104798-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	5.00	4.98	0.7757931	0.7727027		-0.4	30
Benzyl chloride	A	5.00	4.91	0.8012188	0.7862347		-1.9	30
Bromodichloromethane	A	5.00	5.01	0.5972854	0.5989511		0.3	30
Bromoform	A	5.00	5.14	0.5431069	0.558247		2.8	30
Bromomethane	A	5.00	4.88	0.6203018	0.6047577		-2.5	30
2-Butanone (MEK)	A	5.00	4.42	1.307545	1.155633		-11.6	30
Carbon Tetrachloride	A	5.00	5.36	0.5009138	0.5369456		7.2	30
Chlorobenzene	A	5.00	4.59	0.7877083	0.7230895		-8.2	30
Chloroethane	A	5.00	5.25	0.3086236	0.3239898		5.0	30
Chloroform	A	5.00	4.68	1.440028	1.348764		-6.3	30
Chloromethane	A	5.00	4.69	0.6785563	0.6366372		-6.2	30
Cyclohexane	A	5.00	4.85	0.296063	0.2869331		-3.1	30
Dibromochloromethane	A	5.00	5.10	0.5948494	0.6066346		2.0	30
1,2-Dibromoethane (EDB)	A	5.00	4.76	0.5490928	0.5227186		-4.8	30
1,2-Dichlorobenzene	A	5.00	4.60	0.6148508	0.5659106		-8.0	30
1,3-Dichlorobenzene	A	5.00	5.02	0.6611977	0.6644273		0.5	30
1,4-Dichlorobenzene	A	5.00	4.84	0.659745	0.6383503		-3.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.50	1.540128	1.384518		-10.1	30
1,1-Dichloroethane	A	5.00	4.54	1.265892	1.150522		-9.1	30
1,2-Dichloroethane	A	5.00	4.59	0.9188488	0.8430014		-8.3	30
1,1-Dichloroethylene	A	5.00	4.63	1.038377	0.9622527		-7.3	30
cis-1,2-Dichloroethylene	A	5.00	4.60	0.8839679	0.8135374		-8.0	30
trans-1,2-Dichloroethylene	A	5.00	4.51	0.9232199	0.8329973		-9.8	30
1,2-Dichloropropane	A	5.00	4.61	0.3333104	0.3071612		-7.8	30
cis-1,3-Dichloropropene	A	5.00	5.15	0.4594519	0.4729551		2.9	30
trans-1,3-Dichloropropene	A	5.00	5.08	0.3477882	0.3537346		1.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.65	1.79331	1.667829		-7.0	30
1,4-Dioxane	A	5.00	5.13	0.131917	0.1352501		2.5	30
Ethanol	A	5.00	6.12	0.1423735	0.174114		22.3	30
Ethylbenzene	A	5.00	5.06	1.210014	1.224712		1.2	30
Heptane	A	5.00	5.62	0.2240404	0.2520436		12.5	30
Hexachlorobutadiene	A	5.00	4.12	0.4331593	0.356994		-17.6	30
Hexane	A	5.00	4.77	0.7371137	0.7034237		-4.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.66	1.627031	1.517275		-6.7	30
Methylene Chloride	A	5.00	4.52	0.8346046	0.7538811		-9.7	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.30	0.576217	0.6114139		6.1	30
Naphthalene	A	5.00	3.59	0.8996755	0.6461814		-28.2	30
Styrene	A	5.00	4.95	0.6589064	0.652118		-1.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S104798-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,2,2-Tetrachloroethane	A	5.00	4.64	0.8156315	0.7563038		-7.3	30
Tetrachloroethylene	A	5.00	4.77	0.4489411	0.4285997		-4.5	30
Toluene	A	5.00	5.00	0.94549	0.9455483		0.006	30
1,2,4-Trichlorobenzene	A	5.00	3.59	0.4300223	0.3088358		-28.2	30
1,1,1-Trichloroethane	A	5.00	5.16	0.5145077	0.53153		3.3	30
1,1,2-Trichloroethane	A	5.00	4.69	0.3592603	0.3372191		-6.1	30
Trichloroethylene	A	5.00	5.03	0.3396411	0.3414937		0.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.70	1.463792	1.667866		13.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.81	1.317023	1.266669		-3.8	30
1,2,4-Trimethylbenzene	A	5.00	4.96	0.9566545	0.9484328		-0.9	30
1,3,5-Trimethylbenzene	A	5.00	4.81	0.9998111	0.9612959		-3.9	30
Vinyl Chloride	A	5.00	4.72	0.6934505	0.6543704		-5.6	30
m&p-Xylene	A	10.0	10.2	0.9256934	0.9485367		2.5	30
o-Xylene	A	5.00	5.08	0.9487578	0.9648038		1.7	30

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

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S104798-CCV2

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butyl Alcohol (TBA)	A	2.06	2.10	0.9024677	0.920004		1.9	30
2,2,4-Trimethylpentane	A	1.34	1.40	1.875338	1.964185		4.7	30

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
2,2,4-Trimethylpentane	NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

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DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	EAR
Address:	225 atlantic ave patchogue NY 11772
Phone:	631-447-6400
Project Name:	123 post ave
Project Location:	Westbury NY
Project Number:	Reference doc / Pace callout # 149579
Project Manager:	Ian Wehrmann
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	JB

Requested Turnaround Time
7-Day ☐ ~~10-Day~~ 30day ☑
Due Date:

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

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

ANALYSIS REQUESTED

Lab Use: Pace Work Order#	Client Use: Client Sample ID / Description	Collection Data: Beginning Date/Time	Collection Data: Ending Date/Time	Duration: Total Minutes Sampled	Flow Rate: ☐ m³/min ☐ L/min	Matrix: Code	Volume: ☒ Liters ☐ m³	VOC via TO-15				Initial Pressure ("Hg)	Final Pressure ("Hg)	Lab Receipt Pressure ("Hg)	Summa Can ID	Flow Controller ID
01	SVE EFF	5/15/24 1054	5/15/24 1124	30		O	6	X				-28	-5	-5.2	1317	4667

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
cat. B deliverables

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

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

Relinquished/Received	Date/Time
Relinquished by: (signature) [signature]	5/15/24 1445
Received by: (signature) Receiving Room	5/15/24 1445
Relinquished by: (signature) [signature]	5/16/24 8:00
Received by: (signature) [signature] Pace	5-16-24 1250
Relinquished by: (signature) [signature] Pace	5-16-2024
Received by: (signature) Paul Mazzella	5/16/24 2045

Paul Mazzella 5/16/24 0100 Rcd: [signature] 5/17/24 0100 Rel: [signature] 5/17/24 0420

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Kiran Conn 5/17/24 0843

Rcd. [signature] AAL 5/17/24 0600
Rel. [signature] AAL 5/17/24 0843

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

Log In Back-Sheet

Client EAR

Project 123 POST AVE

MCP/RCP Required

Deliverable Package Requirement Cat B

Location Westbury, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time KMC 5/17/24 0843

Back-Sheet By / Date / Time KMC 5/17/24 0905

Temperature ~~Method~~ ☐ #

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	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															
1	1317	5		10		15		Regs #'s		5		10		15	
2		6		11		16		1	4607	6		11		16	
3		7		12		17		2		7		12		17	
4		8		13		18		3		8		13		18	
		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	

Qualtrax ID: 127034

Page 1 of 1

Air Sampling Media Certificate of Analysis

Date Analyzed: 4/29/2024 **Batch #:** 24CC0411

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

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

Media IDs: BC1317

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

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: KMC 5/21/24