3 Corporate Dr., Suite 202
Clifton Park, NY 12065
T 518.348.1190
TRCcompanies.com

May 15, 2024

Michael Squire
Assistant Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233

Re: Soil Vapor Intrusion Assessment Letter Report – 2023-2024 Heating Season
Former Chromalloy Facility (NYSDEC Site No. 344039)
169 Western Highway
West Nyack, New York 10994

Dear Mr. Squire:

TRC Engineers, Inc. (TRC), on behalf of Chromalloy Gas Turbine, LLC (Chromalloy) has prepared this letter report to discuss recent soil vapor intrusion (SVI) sampling activities completed in association with the former Chromalloy facility located at 169 Western Highway, West Nyack, New York (the Site). All activities were completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved *November 2023 Biennial Soil Vapor Intrusion Assessment Workplan (Workplan)*.

Pursuant to the NYSDEC approved *July 2018 SVI Assessment Report,* biennial SVI assessments within the former Chromalloy building were incorporated into the Site's routine monitoring program. To facilitate these routine sampling events, TRC installed six permanent sub-slab points (SS-13 through SS-18) in February 2020. Installation of these points was documented in the *July 2020 Soil Vapor Intrusion Assessment Letter Report – 2019-2020 Heating Season*. For the most recent heating season, TRC completed these SVI assessment activities on January 30 and 31, 2024. A Site layout map is shown in **Figure 1.**

A summary of the completed field activities, air sample analytical results, and recommendations are detailed below. A photographic log of TRC's field activities is provided in **Attachment 1**.

2024 Soil Vapor Intrusion Field Activities

Building Inspection and Chemical Inventory

The main Site building is currently utilized by Paragon Honda Acura of West Nyack, New York to store and prepare new vehicles for sale. Vehicle cleaning and detailing operations are completed in the southern portion of the building. Vehicle maintenance is performed on hydraulic lifts located in the central

and western portions of the building. The main office space is in the northern portion of the building. Other than the aforementioned areas, the main building is largely an open warehouse utilized for vehicle storage. Overhead entry doors, located throughout the warehouse, are either continually open or periodically opened/closed throughout the workday to allow entry/exit of vehicles.

Prior to SVI sampling and in accordance with NYSDEC/New York State Department of Health (NYSDOH) guidance, all air sampling locations and their adjacent vicinities were inspected/screened for the presence of volatile organic vapor with a photo-ionization detector (PID), capable of reading in the parts per billion (ppb) range. The NYSDEC form entitled *Structure Sampling Questionnaire and Building Inventory* was completed before and during vapor sampling (further discussed below) and is provided in **Attachment 2**.

Soil Vapor Intrusion Sample Collection

On January 31, 2024, all six sub-slab vapor points were helium leak tested in accordance with NYSDOH methods to ensure that each location was capturing sub-slab vapors, rather than short circuiting ambient indoor air from the surface. On January 31, 2024, six sub-slab vapor samples, six co-located indoor air samples (IA-13 through IA-18), and one outdoor ambient air sample (AA-3) were collected for analysis. For quality control/quality assurance (QA/QC) purposes, a single duplicate sample (IA-DUP) was collected adjacent to IA-18. A map showing the approximate air sampling locations is provided on **Figure 2**. Record of Vapor Sampling forms detailing the helium leak tests results, vapor sample PID readings, and sample times, can be found in **Attachment 3**.

All 14 air samples were collected utilizing batch certified 6-liter Summa® canisters equipped with 8-hour flow controllers, and submitted to Alpha Analytical of Mansfield, Massachusetts (Alpha) for analysis of VOCs by United States Environmental Protection Agency (USEPA) Method TO-15. Laboratory deliverables are in accordance with NYSDEC Analytical Services Protocol (ASP) Category B and were subjected to data validation by Alpha Geoscience of Clifton Park, New York.

2024 Soil Vapor Intrusion Results

Building Inspection and Chemical Inventory

During the building inspection, elevated PID readings were noted in the indoor air space and were primarily due to the presence of stored/used petroleum products and vehicle detailing chemicals, in addition to on-going facility operations. PID readings recorded during the pre-sampling building inspection ranged from 2,378 ppb to 4,284 ppb. Interfering conditions at the time of SVI sampling were noted at all six locations and included vehicle exhaust and the active use of petroleum, solvent, and vehicle detailing/cleaning products. Additionally, it should be noted that active use of the overhead garage bay doors occurred throughout the time of SVI sampling.

The integrity of the floor slab was assessed in the vicinity of each SVI sample location and throughout the building. This was completed by inspecting the slab for cracks, penetrations, and other preferential pathways, by way of building utilities, for potential SVI. Cracks/gaps in the slab were observed throughout the building mainly along the floor joints and surrounding the building support pillars (see **Attachment 1**).

Soil Vapor Intrusion Analytical Results

Site Contaminants of Concern

SVI analytical results within the main building indicated the presence of the Site contaminants of concern (COCs) tetrachloroethene (PCE), trichloroethene (TCE), and/or cis-1,2-dichloroethene (c12-DCE) in each of the sub-slab vapor points. Concentration ranges for these chlorinated VOCs (cVOCs) in the sub-slab points were detected at the following ranges:

- PCE – 2.52 micrograms per cubic meter (µg/m^3) (SS-16) to 7.46 µg/m^3 (SS-18). PCE was not detected above the laboratory reporting limit (RL) in samples collected from SS-13, SS-14, and SS-17.
- TCE – 3.65 µg/m^3 (SS-13) to 5,540 µg/m^3 (SS-15); and
- c12-DCE – 0.908 µg/m^3 (SS-18) to 674 µg/m^3 (SS-15). c12-DCE was not detected above the laboratory RL in samples collected from SS-13, SS-14, and SS-16.

Concentration ranges for each of the above compounds for the co-located indoor air samples included the following:

- PCE – 0.149 µg/m^3 (IA-13) to 0.217 µg/m^3 (IA-14);
- TCE – 0.64 µg/m^3 (IA-16) to 1.12 µg/m^3 (IA-18); and
- c12-DCE was not detected above the laboratory RL in any samples (IA-13 through IA-18) collected.

A comparison of the sub-slab PCE detections to their respective co-located indoor air sample analytical results and Matrix B of the *October 2006 NYSDOH SVI Guidance* (amended May 2017 and February 2024) indicate that “no further action” is recommended at all locations. A comparison of the sub-slab TCE detections to their respective co-located indoor air sample analytical results and Matrix A of the *October 2006 NYSDOH SVI Guidance* indicate that “no further action” is recommended at location SS-13/IA-13, the recommended action for SS-14/IA-14 and SS-16/IA-16 is to “monitor”, and the recommended action for SS-15/IA15, SS-17/IA-17, and SS-18/IA-18 is to “mitigate”. In addition, the detected concentrations of c12-DCE in SS-17/IA-17 and SS-18/IA-18 indicate that “no further action” is recommended, and only the detected concentration of c12-DCE in SS-15/IA-15 has a recommended action to “mitigate”, per Matrix A of the *October 2006 NYSDOH SVI Guidance*.

Building Use Contaminants

SVI analytical results within the main building indicated the presence of building use contaminants benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, o-xylene, p/m-xylene, heptane, n-hexane, and/or toluene in each of the sub-slab vapor points. Concentration ranges for these VOCs in the sub-slab points were detected at the following ranges:

- Benzene – 6.74 µg/m^3 (SS-16) to 99 µg/m^3 (SS-18)
- Ethylbenzene – 5.95 µg/m^3 (SS-16) to 33.7 µg/m^3 (SS-18)
- Naphthalene – 5.87 µg/m^3 (SS-18). Naphthalene was not detected above the laboratory RL in samples collected from SS-13 through SS-17.
- Cyclohexane – 2.11 µg/m^3 (SS-16) to 49.2 µg/m^3 (SS-18). Cyclohexane was not detected above the laboratory RL in the sample collected from SS-14.
- Isooctane – 3.53 µg/m^3 (SS-13) to 379 µg/m^3 (SS-18). Isooctane was not detected above the laboratory RL in the samples collected from SS-14 or SS-15.
- 1,2,4-trimethylbenzene – 3.57 µg/m^3 (SS-15) to 6.78 µg/m^3 (SS-18).
- 1,3,5-trimethylbenzene – 1.3 µg/m^3 (SS-16) to 1.89 µg/m^3 (SS-18). 1,3,5-trimethylbenzene was not detected above laboratory RL in the samples collected from SS-13 through SS-15.
- o-xylene – 6.52 µg/m^3 (SS-16) to 29.1 µg/m^3 (SS-18).
- p/m-xylene – 20.8 µg/m^3 (SS-16) to 115 µg/m^3 (SS-18).
- Heptane –20.2 (SS-16) to 224 µg/m^3 (SS-18).
- n-Hexane – 3.52 µg/m^3 (SS-16) to 223 µg/m^3 (SS-18).
- Toluene – 357 µg/m^3 (SS-16) to 2,180 µg/m^3 (SS-18).

Concentration ranges for each of the above compounds for the co-located indoor air samples included the following:

- Benzene –19.3 µg/m^3 (IA-13) to 43.1 µg/m^3 (IA-18).
- Ethylbenzene – 23.6 µg/m^3 (IA-13) to 57.8 µg/m^3 (IA-15).
- Naphthalene – 1.77 µg/m^3 (IA-13) to 3.66 µg/m^3 (IA-18).
- Cyclohexane – 12.3 µg/m^3 (IA-13) to 22.1 µg/m^3 (IA-18).
- Isooctane – 20.5 µg/m^3 (IA-13) to 39 µg/m^3 (IA-18)
- 1,2,4-trimethylbenzene – 12.1 µg/m^3 (IA-13) to 18.8 µg/m^3 (IA-18)
- 1,3,5-trimethylbenzene – 3.58 µg/m^3 (IA-13) to 5.51 µg/m^3 (IA-18)
- o-xylene – 29.1 µg/m^3 (IA-13) to 67.8 µg/m^3 (IA-15)
- p/m-xylene – 89 µg/m^3 (IA-13) to 216 µg/m^3 (IA-15)
- Heptane – 85.2 µg/m^3 (IA-13) to 209 µg/m^3 (IA-18)
- n-Hexane – 23.1 µg/m^3 (IA-13) to 33.2 µg/m^3 (IA-18)

- Toluene – 1,240 µg/m^3 (IA-13) to 7,240 µg/m^3 (IA-DUP [duplicate of IA-18])

A comparison of the sub-slab benzene, ethylbenzene, cyclohexane, isooctane, 1,2,4-trimethylbenzene, o-xylene, p/m-xylene, heptane, and n-hexane detections to their respective co-located indoor air sample analytical results and Matrices D and E of the *October 2006 NYSDOH SVI Guidance* (amended May 2017 and February 2024) indicate that the recommended action for all locations is to "identify source(s) or resample or mitigate", except for benzene, isooctane, heptane, and n-hexane at location SS-18/IA-18, where the recommended action is to "mitigate".

A comparison of the sub-slab naphthalene and 1,3,5-trimethylbenzene detections to their respective co-located indoor air sample analytical results and Matrix D of the *October 2006 NYSDOH SVI Guidance* (amended May 2017 and February 2024) indicate that "no further action" is recommended.

A comparison of the sub-slab toluene detections to their respective co-located indoor air sample analytical results and Matrix F of the *October 2006 NYSDOH SVI Guidance* (amended May 2017 and February 2024) indicate that the recommended action for all locations is to "mitigate".

A summary of the SVI analytical results can be found in **Table 1**. Sample locations and concentrations where the recommended action is to "mitigate" or "identify source(s) or resample or mitigate" are shown on **Figure 2**. The summary laboratory analytical report and associated data usability summary report (DUSR) can be found in **Attachments 4** and **5**, respectively.

Conclusions and Recommendations

The analytical data for Site COCs indicate that PCE concentrations have continued to decrease and remain at "no further action" levels at all locations, TCE concentrations have generally decreased but remain at "mitigate" levels at three locations (SS-15/IA-15, SS-17/IA-17, SS-18/IA-18), and c12-DCE concentrations have decreased and remain at "mitigate" levels at one location (SS-15/IA-15). A summary of the current and historical sub-slab analytical results, with respect to the Site COCs and NYSDOH Matrix analytes only, is provided in **Table 2**.

As noted above, the building is currently used to store, clean, and perform minor maintenance on new vehicles for sale. The source of the elevated PID readings noted in the indoor air space and elevated concentrations of the identified building use contaminants in sub-slab vapor and indoor air samples is attributed to the use and storage of petroleum products and vehicle detailing chemicals and associated operations. During typical operations, the overhead bay doors are either left open or open/closed while the building is occupied to allow movement of vehicles in and out of the facility, thereby providing an air flow exchange throughout the warehouse. Based on TRC's inspections, there are limited regular occupancies in any of the northern office areas. Given the current building usage and low cVOC

concentrations in indoor air, it does not appear that Site COC sub-slab soil impacts are significantly impacting interior air quality of the main building.

Chromalloy will continue to complete SVI building inspection and sampling activities on a biennial basis. The next event is scheduled during the 2025-2026 heating season. Additionally, the building use and occupancy will be evaluated on an annual basis. Should the building use and occupancy change during future evaluations, the NYSDEC will be notified of the change within 30 days of the inspection. If the annual building use and occupancy remains the same or similar to prior years, the inspection results will be summarized in that year's *Operational Unit 1 (OU-1) Annual Monitoring Report*.

If you have any comments, questions, or concerns regarding this letter, please do not hesitate to contact me at (518) 688-3109.

Sincerely,

Justin King
Project Manager

Jeffrey LaRock, PG
Office Practice Leader

CC: John Lambert - Chromalloy
Jacquelyn Nealon – NYSDOH

Attachments

Table 1 Summary of SVI Analytical Results – January 2024
Table 2 Summary of Select Historical SVI Analytical Results

Figure 1 Site Layout Map
Figure 2 Select Soil Vapor Intrusion Air Sample Results (January 2024)

Attachment 1 Photographic Log
Attachment 2 NYSDEC *Structure Sampling Questionnaire and Building Inventory* Form
Attachment 3 Record of Vapor Sampling Forms
Attachment 4 Summary Laboratory Analytical Report
Attachment 5 DUSR

TABLES

Table 1
Summary of SVI Analytical Results - January 2024
Former Chromalloy Site (Site No. 344039)
West Nyack, New York

	Sample Location:	Co-Located		Co-Located		Co-Located		Co-Located		Co-Located		Co-Located			
		SS-13	IA-13	SS-14	IA-14	SS-15	IA-15	SS-16	IA-16	SS-17	IA-17	SS-18	IA-18	IA-DUP	AA-3
	Sample Type:	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Outdoor Air
	Sample Date:	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024
	Lab Sample ID:	L2405593-01	L2405593-02	L2405593-03	L2405593-04	L2405593-05	L2405593-06	L2405593-07	L2405593-08	L2405593-09	L2405593-10	L2405593-11	L2405593-12	L2405593-13	L2405593-14
	PID Reading (ppb):	191	1,245	293	1,440	26,820	3,566	284	3,144	1,158	3,043	4,307	6,826		19
NYSDOH Matrix	**TO-15 Analysis - VOCs**	**Results (ug/m^3)**													
	Dichlorodifluoromethane	2.91	2.96	5.64	2.93	6.38	2.47	2.98	2.38	3.08	2.62	6.48 U	2.93	2.42	2.97
	Chloromethane	1.03 U	1.28	1.72 U	1.2	0.737 U	1.02	0.516 U	0.946	0.413 U	1.01	2.71 U	1.17	0.95	1.21
	Freon-114	3.49 U	1.4 U	5.82 U	1.4 U	2.5 U	1.4 U	1.75 U	1.4 U	1.4 U	1.4 U	2.29 U	1.4 U	1.4 U	1.4 U
C	Vinyl chloride	1.28 U	0.051 U	2.13 U	0.051 U	0.913 U	0.051 U	0.639 U	0.051 U	0.511 U	0.051 U	0.335 U	0.051 U	0.051 U	0.051 U
	1,3-Butadiene	1.11 U	1.02	1.84 U	1.15	0.79 U	1.13	0.553 U	1.35	0.442 U	1.22	0.737	2.65	2.21	0.442 U
	Bromomethane	1.94 U	0.777 U	3.23 U	0.777 U	1.39 U	0.777 U	0.971 U	0.777 U	0.777 U	0.777 U	0.509 U	0.777 U	0.777 U	0.777 U
	Chloroethane	1.32 U	0.528 U	2.2 U	0.528 U	0.942 U	0.528 U	0.66 U	0.528 U	0.528 U	0.528 U	1.72 U	0.528 U	0.528 U	0.528 U
	Ethanol	38.6	217	39.2 U	148	31.3	120	26.6	196	27.9	152	61.6 U	110	95.9	9.93
	Vinyl bromide	2.19 U	0.874 U	3.64 U	0.874 U	1.56 U	0.874 U	1.09 U	0.874 U	0.874 U	0.874 U	5.73 U	0.874 U	0.874 U	0.874 U
	Acetone	122	979	170	2,450 J	124	2,760	125	1,150	146	2,070	168	2,090	3,920 J	9.41
	Trichlorofluoromethane	2.81 U	1.53	4.68 U	1.57	2.01 U	1.29	1.52	1.39	1.45	1.46	1.84 U	1.61	1.38	1.56
	Isopropanol	46	35.4	38.8	33.9	42.3	66.4	51.4	28.5	44	36.9	8.04 U	69.8	62.9	2
A	1,1-Dichloroethene	1.98 U	0.079 U	3.3 U	0.079 U	1.42 U	0.079 U	0.991 U	0.079 U	0.793 U	0.079 U	3.75	0.079 U	0.079 U	0.079 U
	Tertiary butyl Alcohol	3.79 U	1.52 U	6.31 U	1.52 U	2.71 U	1.52 U	1.89 U	1.52 U	1.94	1.52 U	31.5	1.52 U	1.52 U	1.52 U
B	Methylene chloride	4.34 U	1.74 U	7.23 U	1.74 U	3.1 U	1.74 U	2.17 U	1.74 U	1.74 U	1.74 U	11.4 U	1.74 U	1.74 U	1.74 U
	3-Chloropropene	1.57 U	0.626 U	2.61 U	0.626 U	1.12 U	0.626 U	0.783 U	0.626 U	0.626 U	0.626 U	4.1 U	0.626 U	0.626 U	0.626 U
	Carbon disulfide	1.56 U	0.623 U	2.59 U	0.623 U	1.11 U	0.623 U	0.779 U	0.623 U	0.623 U	0.623 U	4.08 U	0.623 U	0.623 U	0.623 U
	Freon-113	3.83 U	1.53 U	6.38 U	1.53 U	2.74 U	1.53 U	1.92 U	1.53 U	1.53 U	1.53 U	14.6	1.53 U	1.53 U	1.53 U
	trans-1,2-Dichloroethene	1.98 U	0.793 U	3.3 U	0.793 U	114	0.793 U	0.991 U	0.793 U	1.2	0.793 U	0.519 U	0.793 U	0.793 U	0.793 U
	1,1-Dichloroethane	2.02 U	0.809 U	3.37 U	0.809 U	1.44 U	0.809 U	1.01 U	0.809 U	0.809 U	0.809 U	0.53 U	0.809 U	0.809 U	0.809 U
	Methyl tert butyl ether	1.8 U	0.721 U	3 U	0.721 U	1.29 U	0.721 U	0.901 U	0.721 U	0.721 U	0.721 U	4.72 U	0.721 U	0.721 U	0.721 U
	2-Butanone	3.69 U	9.02	6.13 U	9	3.33	15.1	5.01	8.52	4.39	8.64	13.2	16.6	14.2	1.47 U
A	cis-1,2-Dichloroethene	1.98 U	0.079 U	3.3 U	0.079 U	**674**	**0.079 U**	0.991 U	0.079 U	4.16	0.079 U	0.908	0.079 U	0.079 U	0.079 U
	Ethyl Acetate	4.5 U	3.96	7.5 U	4.83	3.22 U	3.06	2.25 U	4.72	1.8 U	7.06	11.8 U	3.21	2.75	1.8 U
	Chloroform	2.44 U	0.977 U	4.07 U	0.977 U	342	0.977 U	1.22 U	0.977 U	19	0.977 U	3.92	0.977 U	0.977 U	0.977 U
	Tetrahydrofuran	3.69 U	1.47 U	6.13 U	1.47 U	2.63 U	1.47 U	1.84 U	1.47 U	1.47 U	1.47 U	9.64 U	1.47 U	1.47 U	1.47 U
	1,2-Dichloroethane	2.02 U	0.809 U	3.37 U	0.809 U	1.44 U	0.809 U	1.01 U	0.809 U	0.809 U	0.809 U	2.67	0.809 U	0.809 U	0.809 U
E	n-Hexane	**3.67**	**23.1**	**3.88**	**25.7**	**3.56**	**24**	**3.52**	**32.1**	**5.53**	**25.7**	**223**	**33.2**	**30.7**	0.705 U
B	1,1,1-Trichloroethane	2.73 U	0.109 U	4.54 U	0.109 U	4.53	0.109 U	1.36 U	0.109 U	1.09 U	0.109 U	2.14	0.109 U	0.109 U	0.109 U
D	Benzene	**7**	**19.3**	**7.92**	**25.3**	**6.84**	**21.5**	**6.74**	**26.5**	**10.9**	**22.6**	**99**	**43.1**	**38.3**	0.85
A	Carbon tetrachloride	3.15 U	0.572	5.24 U	0.547	2.25 U	0.478	1.57 U	0.484	1.26 U	0.535	0.824 U	0.528	0.465	0.56
D	Cyclohexane	**2.47**	**12.2**	**2.87 U**	**13.4**	**2.6**	**17.8**	**2.11**	**15.7**	**3.27**	**13.6**	**49.2**	**22.1**	**20.4**	0.688 U
	1,2-Dichloropropane	2.31 U	0.924 U	3.85 U	0.924 U	1.65 U	0.924 U	1.16 U	0.924 U	0.924 U	0.924 U	0.605 U	0.924 U	0.924 U	0.924 U
	Bromodichloromethane	3.35 U	1.34 U	5.58 U	1.34 U	2.39 U	1.34 U	1.67 U	1.34 U	1.34 U	1.34 U	0.878 U	1.34 U	1.34 U	1.34 U
	1,4-Dioxane	1.8 U	0.721 U	3 U	0.721 U	1.29 U	0.721 U	0.901 U	0.721 U	0.721 U	0.721 U	2.35 U	0.721 U	0.721 U	0.721 U
A	Trichloroethene	3.65	0.935	**13.4**	**0.736**	**5,540**	**0.946**	**32.2**	**0.64**	**341**	**0.79**	**105**	**1.12**	**0.871**	0.107 U
D	2,2,4-Trimethylpentane	**3.53**	**20.5**	**3.89 U**	**22.9**	**1.67 U**	**20.6**	**5.04**	**34**	**4.58**	**24.2**	**379**	**39**	**35.7**	0.934 U
E	Heptane	**31**	**85.2**	**48.4**	**139**	**50**	**186**	**20.2**	**87.7**	**54.9**	**110**	**224**	**209**	**187**	0.82 U
	cis-1,3-Dichloropropene	2.27 U	0.908 U	3.78 U	0.908 U	1.62 U	0.908 U	1.13 U	0.908 U	0.908 U	0.908 U	0.595 U	0.908 U	0.908 U	0.908 U
	4-Methyl-2-pentanone	5.12 U	10.5	8.52 U	7.38	3.66 U	8.11	2.56 U	8.93	2.05 U	7.01	13.4 U	7.01	5.41	2.05 U
	trans-1,3-Dichloropropene	2.27 U	0.908 U	3.78 U	0.908 U	1.62 U	0.908 U	1.13 U	0.908 U	0.908 U	0.908 U	0.595 U	0.908 U	0.908 U	0.908 U
	1,1,2-Trichloroethane	2.73 U	1.09 U	4.54 U	1.09 U	1.95 U	1.09 U	1.36 U	1.09 U	1.09 U	1.09 U	0.715 U	1.09 U	1.09 U	1.09 U
F	Toluene	**675**	**1,240**	**927**	**1,390**	**1,300**	**4,030**	**357**	**1,480**	**1,220**	**2,060**	**2,180**	**4,670**	**7,240 J**	5.01
	2-Hexanone	2.05 U	0.82 U	3.41 U	0.82 U	1.46 U	0.82 U	1.02 U	0.82 U	0.82 U	0.82 U	5.37 U	0.82 U	0.82 U	0.82 U
	Dibromochloromethane	4.26 U	1.7 U	7.1 U	1.7 U	3.04 U	1.7 U	2.13 U	1.7 U	1.7 U	1.7 U	1.12 U	1.7 U	1.7 U	1.7 U
	1,2-Dibromoethane	3.84 U	1.54 U	6.4 U	1.54 U	2.74 U	1.54 U	1.92 U	1.54 U	1.54 U	1.54 U	1.01 U	1.54 U	1.54 U	1.54 U
B	Tetrachloroethene	3.39 U	0.149	5.65 U	0.217	4.64	0.163	2.52	0.163	1.36 U	0.17	7.46	0.176	0.203	0.258
	Chlorobenzene	2.3 U	0.921 U	3.84 U	0.921 U	1.64 U	0.921 U	1.15 U	0.921 U	0.921 U	0.921 U	3.01 U	0.921 U	0.921 U	0.921 U

Table 1
Summary of SVI Analytical Results - January 2024
Former Chromalloy Site (Site No. 344039)
West Nyack, New York

Sample Location:		Co-Located		Co-Located		Co-Located		Co-Located		Co-Located		Co-Located			
		SS-13	IA-13	SS-14	IA-14	SS-15	IA-15	SS-16	IA-16	SS-17	IA-17	SS-18	IA-18	IA-DUP	AA-3
Sample Type:		Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Outdoor Air
Sample Date:		1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024	1/31/2024
Lab Sample ID:		L2405593-01	L2405593-02	L2405593-03	L2405593-04	L2405593-05	L2405593-06	L2405593-07	L2405593-08	L2405593-09	L2405593-10	L2405593-11	L2405593-12	L2405593-13	L2405593-14
PID Reading (ppb):		191	1,245	293	1,440	26,820	3,566	284	3,144	1,158	3,043	4,307	6,826		19
NYSDOH Matrix	**TO-15 Analysis - VOCs**	**Results (ug/m^3)**													
D	Ethylbenzene	**7.43**	**23.6**	**11.9**	**44.7**	**10.9**	**57.8**	**5.95**	**28.2**	**14.3**	**34.8**	**33.7**	**56**	**50.4**	0.869 U
E	p/m-Xylene	**25.7**	**89**	**42.5**	**167**	**39.9**	**216**	**20.8**	**102**	**51.3**	**131**	**115**	**202**	**182**	1.74 U
	Bromoform	5.17 U	2.07 U	8.61 U	2.07 U	3.69 U	2.07 U	2.58 U	2.07 U	2.07 U	2.07 U	1.35 U	2.07 U	2.07 U	2.07 U
	Styrene	7.37	1.49	4.94	1.27	3.72	1.51	5.45	1.31	4.22	1.3	1.22	2.54	2.14	0.852 U
	1,1,2,2-Tetrachloroethane	3.43 U	1.37 U	5.72 U	1.37 U	2.45 U	1.37 U	1.72 U	1.37 U	1.37 U	1.37 U	0.9 U	1.37 U	1.37 U	1.37 U
D	o-Xylene	**8.04**	**29.1**	**11.7**	**55.2**	**10.9**	**67.8**	**6.52**	**33.8**	**14.6**	**43**	**29.1**	**65.6**	**59.1**	0.869 U
	4-Ethyltoluene	2.46 U	2.75	4.1 U	2.97	1.76 U	3.32	1.23 U	3.94	1.48	3.55	1.8	5.26	4.47	0.983 U
D	1,3,5-Trimethylbenzene	2.46 U	3.58	4.1 U	3.89	1.76 U	3.9	1.3	4.18	1.49	4.02	1.89	5.51	4.73	0.983 U
D	1,2,4-Trimethylbenzene	**4.87**	**12.1**	**4.39**	**12.8**	**3.57**	**12.6**	**4.29**	**14.5**	**5.01**	**13.5**	**6.78**	**18.8**	**16.2**	0.983 U
	Benzyl chloride	2.59 U	1.04 U	4.31 U	1.04 U	1.85 U	1.04 U	1.29 U	1.04 U	1.04 U	1.04 U	3.38 U	1.04 U	1.04 U	1.04 U
	1,3-Dichlorobenzene	3.01 U	1.2 U	5.01 U	1.2 U	2.15 U	1.2 U	1.5 U	1.2 U	1.2 U	1.2 U	0.788 U	1.2 U	1.2 U	1.2 U
	1,4-Dichlorobenzene	3.01 U	1.2 U	5.01 U	1.2 U	2.15 U	1.2 U	1.5 U	1.2 U	1.2 U	1.2 U	0.788 U	1.2 U	1.2 U	1.2 U
	1,2-Dichlorobenzene	3.01 U	1.2 U	5.01 U	1.2 U	2.15 U	1.2 U	1.5 U	1.2 U	1.2 U	1.2 U	0.788 U	1.2 U	1.2 U	1.2 U
	1,2,4-Trichlorobenzene	3.71 U	1.48 U	6.18 U	1.48 U	2.65 U	1.48 U	1.86 U	1.48 U	1.48 U	1.48 U	2.43 U	1.48 U	1.48 U	1.48 U
D	Naphthalene	2.62 U	1.77	4.37 U	1.88	1.87 U	1.85	1.31 U	2.13	1.05 U	2.1	5.87	3.66	3.24	1.05 U
	Hexachlorobutadiene	5.33 U	2.13 U	8.89 U	2.13 U	3.81 U	2.13 U	2.67 U	2.13 U	2.13 U	2.13 U	3.49 U	2.13 U	2.13 U	2.13 U

Notes:

ug/m^3	: micrograms per cubic meter
U	: Analyte was not detected at specified quantitation limit
J	: Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
TO	: Toxic organics
PID	: Photo-ionization detector
ppb	: parts per billion
VOCs	: Volatile organic compounds
NYSDOH Matrix	: New York State Department of Health Soil Vapor/Indoor Air Decision Matrices, May 2017 and February 2024
Bold	: Indicates the result is within the applicable "Monitor", "Mitigate", or "Identify Source(s) or Resample or Mitigate" NYSDOH Matrix criteria
Green Shading	: Indicates the recommended action is "No Further Action" per the applicable NYSDOH Matrix
Orange Shading	: Indicates the recommended action is "Monitor" per the applicable NYSDOH Matrix
Red Shading	: Indicates the recommended action is "Mitigate" per the applicable NYSDOH Matrix
Blue Shading	: Indicates the recommended action is "Identify Source(s) or Resample or Mitigate" per the applicable NYSDOH Matrix

Table 2
Summary of Select Historical SVI Analytical Results
Former Chromalloy Site (Site No. 344039)
West Nyack, New York

		Co-Located					Co-Located				
Sample Location:		SS-01	SS-07	SS-13	SS-13	SS-13	SS-02	SS-08	SS-14	SS-14	SS-14
Sample Date:		12/20/2016	3/30/2018	02/12/2020	2/2/2022	1/31/2024	12/20/2016	3/30/2018	02/12/2020	2/2/2022	1/31/2024
PID Reading (ppb):		460	3,432	916	856	191	1,267	3,062	1,125	1,132	293
NYSDOH Matrix	**TO-15 Analysis - VOCs**	**Results ($\mu g/m^3$)**									
A	Carbon tetrachloride	1.3 U	2 U	1.26 U	1.26 U	3.15 U	5 U	0.25	1.26 U	1.7 U	5.24 U
A	Trichloroethene	**7.5**	**7.1**	**13.1**	**17.8**	3.65	**7.4**	**44**	**59.1**	**24.3**	**13.4**
A	1,1-Dichloroethene	0.79 U	1.3 U	0.793 U	0.793 U	1.98 U	3.2 U	0.14 U	0.793 U	1.07 U	3.3 U
A	cis-1,2-Dichloroethene	0.79 U	1.3 U	0.793 U	0.793 U	1.98 U	3.2 U	0.14 U	0.793 U	1.07 U	3.3 U
B	Methylene chloride	1.7 U	**2.9 J**	1.74 U	1.74 U	4.34 U	6.9 U	3.1	1.74 U	2.35 U	7.23 U
B	1,1,1-Trichloroethane	1.1 U	9.9 U	1.09 U	1.09 U	2.73 U	4.4 U	1.1	1.3	1.47 U	4.54 U
B	Tetrachloroethene	9.6	**6.6 J**	15.7	11.1 J+	3.39 U	29	39	30.6	5.76	5.65 U
C	Vinyl chloride	0.51 U	0.81 U	0.511 U	0.511 U	1.28 U	2 U	0.089 U	0.511 U	0.69 U	2.13 U

Notes:

µg/m3	: micrograms per cubic meter
U	: Analyte was not detected at specified quantitation limit
TO	: Toxic organics
PID	: Photo-ionization detector
ppb	: parts per billion
J	: Estimated Value
J+	: Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
D	: Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples
E	: Result exceeded calibration range
NYSDOH Matrix	: New York State Department of Health Soil Vapor/Indoor Air Decision Matrices, May 2017 and February 2024
Bold	: Indicates the result is within the applicable "Monitor" or "Mitigate" NYSDOH Matrix criteria when compared to its respective indoor air sample
Green Shading	: Indicates the detected result recommends "No Further Action" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Orange Shading	: Indicates the detected result recommends "Monitoring" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Red Shading	: Indicates the detected result recommends "Mitigation" per the applicable NYSDEC Matrix, when compared with its co-located indoor sample (not shown)

Table 2
Summary of Select Historical SVI Analytical Results
Former Chromalloy Site (Site No. 344039)
West Nyack, New York

		Co-Located					Single	Co-Located				
Sample Location:		SS-06	SS-11	SS-15	SS-15	SS-15	SS-03	SS-04	SS-09	SS-16	SS-16	SS-16
Sample Date:		12/20/2016	3/30/2018	02/12/2020	2/2/2022	1/31/2024	12/20/2016	12/20/2016	3/30/2018	02/12/2020	2/2/2022	1/31/2024
PID Reading (ppb):		13,510	15,400	9,555	5,496	26,820	2,510	720	2,941	1,060	975	284
NYSDOH Matrix	**TO-15 Analysis - VOCs**	**Results (µg/m^3)**										
A	Carbon tetrachloride	120 U	130 U	78.6 U	138 U	2.25 U	1.3 U	1.3 U	**0.24**	1.26 U	1.26 U	1.57 U
A	Trichloroethene	**54,000 E**	**31,000**	**21,800**	**51,900**	**5,540**	**50**	**71**	**92**	**87.6**	**195**	**32.2**
A	1,1-Dichloroethene	73 U	81 U	49.6 U	86.8 U	1.42 U	0.79 U	0.79 U	0.14 U	0.793 U	0.793 U	0.991 U
A	cis-1,2-Dichloroethene	**4,100**	**1,800**	**1,110**	**2,000**	**674**	2.6	0.79 U	0.14 U	0.793 U	0.793 U	0.991 U
B	Methylene chloride	160 U	1,000 U	108 U	190 U	3.1 U	1.7 U	1.7 U	0.56 J	1.74 U	1.74 U	2.17 U
B	1,1,1-Trichloroethane	100 U	630 U	68.2 U	119 U	4.53	1.1 U	5	2.9	1.09 U	1.09 U	1.36 U
B	Tetrachloroethene	170	**550 J**	411	495 J+	4.64	2.5	200	130	51.5	63.3 J+	2.52
C	Vinyl chloride	47 U	52 U	32 U	56 U	0.913 U	0.51 U	0.51 U	0.089 U	0.511 U	0.511 U	0.639 U

Notes:

µg/m3 : micrograms per cubic meter
U : Analyte was not detected at specified quantitation limit
TO : Toxic organics
PID : Photo-ionization detector
ppb : parts per billion
J : Estimated Value
J+ : Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
D : Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples
E : Result exceeded calibration range
NYSDOH Matrix : New York State Department of Health Soil Vapor/Indoor Air Decision Matrices, May 2017 and February 2024
Bold : Indicates the result is within the applicable "Monitor" or "Mitigate" NYSDOH Matrix criteria when compared to its respective indoor air sample
Green Shading : Indicates the detected result recommends "No Further Action" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Orange Shading : Indicates the detected result recommends "Monitoring" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Red Shading : Indicates the detected result recommends "Mitigation" per the applicable NYSDEC Matrix, when compared with its co-located indoor sample (not shown)

Table 2
Summary of Select Historical SVI Analytical Results
Former Chromalloy Site (Site No. 344039)
West Nyack, New York

		Co-Located					Co-Located			
Sample Location:		SS-05	SS-10	SS-17	SS-17	SS-17	SS-12	SS-18	SS-18	SS-18
Sample Date:		12/20/2016	3/30/2018	02/12/2020	2/2/2022	1/31/2024	3/30/2018	02/12/2020	2/2/2022	1/31/2024
PID Reading (ppb):		1,450	4,497	1,902	1,267	1,158	3,818	6,027	4,009	4,307
NYSDOH Matrix	**TO-15 Analysis - VOCs**	**Results (µg/m3)**								
A	Carbon tetrachloride	**1.3 U**	4 U	3.5 U	6.98 U	1.26 U	0.88 U	1.26 U	1.26 U	0.824 U
A	Trichloroethene	**1,400 D**	**1,800**	**1,010**	**2,070**	**341**	**480**	**427**	**249**	**105**
A	1,1-Dichloroethene	0.79 U	2.5 U	2.2 U	4.4 U	0.793 U	0.56 U	0.793 U	0.793 U	3.75
A	cis-1,2-Dichloroethene	**27 D**	**9.1**	5.0	11.4	4.16	1.2	0.793 U	0.793 U	0.908
B	Methylene chloride	1.7 U	31 U	4.83 U	9.66 U	1.74 U	6.9 U	1.74 U	1.74 U	11.4 U
B	1,1,1-Trichloroethane	1.1 U	20 U	3.03 U	6.06 U	1.09 U	2.9 J	1.32	1.21	2.14
B	Tetrachloroethene	2.5	29	13.5	15.2 J+	1.36 U	**190**	143	35.7 J+	7.46
C	Vinyl chloride	12 U	1.6 U	1.42 U	2.84 U	0.511 U	0.36 U	0.511 U	0.511 U	0.335 U

Notes:

µg/m3	: micrograms per cubic meter
U	: Analyte was not detected at specified quantitation limit
TO	: Toxic organics
PID	: Photo-ionization detector
ppb	: parts per billion
J	: Estimated Value
J+	: Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
D	: Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples
E	: Result exceeded calibration range
NYSDOH Matrix	: New York State Department of Health Soil Vapor/Indoor Air Decision Matrices, May 2017 and February 2024
Bold	: Indicates the result is within the applicable "Monitor" or "Mitigate" NYSDOH Matrix criteria when compared to its respective indoor air sample
Green Shading	: Indicates the detected result recommends "No Further Action" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Orange Shading	: Indicates the detected result recommends "Monitoring" per the applicable NYSDEC Matrix, when compared with its co-located indoor air sample (not shown)
Red Shading	: Indicates the detected result recommends "Mitigation" per the applicable NYSDEC Matrix, when compared with its co-located indoor sample (not shown)

FIGURES

LEGEND

- MONITORING WELL LOCATION
- FORMER PRODUCTION WELL
- RECOVERY WELL
- PUMP AND TREAT SYSTEM OUTFALL
- SUB-SLAB VAPOR POINT
- DECOMMISSIONED DUAL PHASE EXTRACTION WELL OR MONITORING POINT
- PUMP AND TREAT SYSTEM
- FORMER CHROMALLOY FACILITY PROPERTY
- CHROMIUM EXCAVATION EXTENTS - OCTOBER 2017

NOTES:

1. FORMER CHROMALLOY FACILITY PROPERTY BOUNDARY IS APPROXIMATE.

2. MONITORING WELL LOCATIONS WERE SURVEYED BY A NEW YORK STATE LICENSED SURVEYOR IN JUNE 2011.

3. ALL DEPICTED WELL LOCATIONS, SUB-SLAB VAPOR POINT LOCATIONS, AND EXCAVATION EXTENTS ARE APPROXIMATE.

4. PROPERTY BOUNDARY PROVIDED FROM DIGITAL MAP PRODUCTS.

BASE MAP: NEAR MAP
DATA SOURCES: TRC

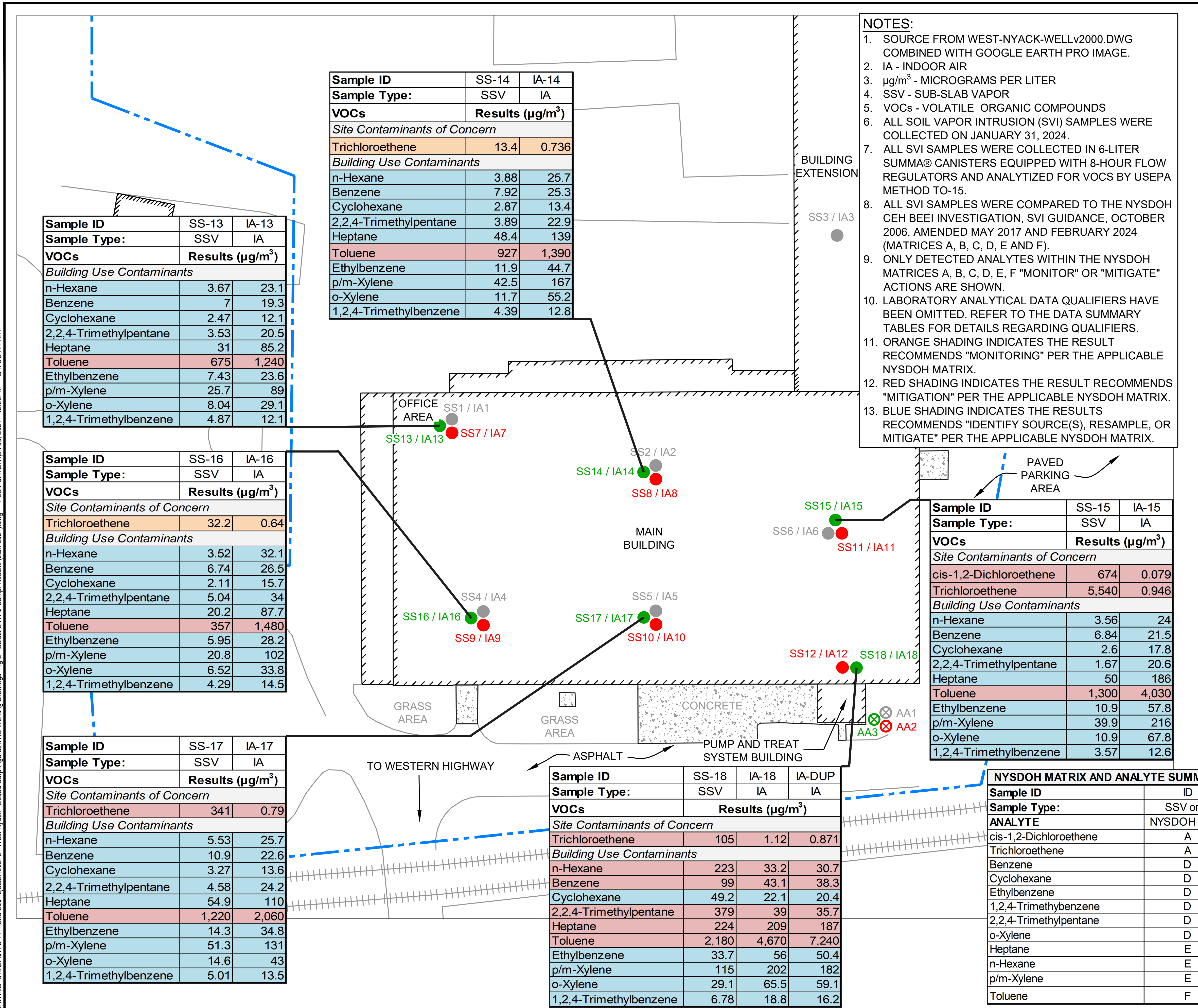
1:900
1" = 75'
0 75 150 FEET

PROJECT:	CHROMALLOY FORMER CHROMALLOY FACILITY WEST NYACK, ROCKLAND COUNTY, NEW YORK NYSDEC SITE NO. 344039
TITLE:	SITE LAYOUT MAP
DRAWN BY:	L. LILL
CHECKED BY:	J. KING
APPROVED BY:	J. LAROCK
DATE:	MARCH 2024
PROJ. NO.:	190273.2021.0000
	FIGURE 1

TRC
3 Corporate Drive
Suite 202
Clifton Park, NY 12065
Phone: 518.348.1190

FILE: 2-APRX.aprx

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet - Map Rotation: 90
Saved By: LILL on: 3/6/2024 - 15:08:20 PM - File Path: T:\PROJECTS\Segal Chromalloy\2-APRX\2-APRX.aprx - Layout Name: Figure 1 - Chromalloy Site Layout Map



Sample ID	SS-14	IA-14
Sample Type:	SSV	IA
VOCs	Results (μg/m³)	
Site Contaminants of Concern		
Trichloroethene	13.4	0.736
Building Use Contaminants		
n-Hexane	3.88	25.7
Benzene	7.92	25.3
Cyclohexane	2.87	13.4
2,2,4-Trimethylpentane	3.89	22.9
Heptane	48.4	139
Toluene	927	1,390
Ethylbenzene	11.9	44.7
p/m-Xylene	42.5	167
o-Xylene	11.7	55.2
1,2,4-Trimethylbenzene	4.39	12.8

Sample ID	SS-13	IA-13
Sample Type:	SSV	IA
VOCs	Results (μg/m³)	
Building Use Contaminants		
n-Hexane	3.67	23.1
Benzene	7	19.3
Cyclohexane	2.47	12.1
2,2,4-Trimethylpentane	3.53	20.5
Heptane	31	85.2
Toluene	675	1,240
Ethylbenzene	7.43	23.6
p/m-Xylene	25.7	89
o-Xylene	8.04	29.1
1,2,4-Trimethylbenzene	4.87	12.1

Sample ID	SS-16	IA-16
Sample Type:	SSV	IA
VOCs	Results (μg/m³)	
Site Contaminants of Concern		
Trichloroethene	32.2	0.64
Building Use Contaminants		
n-Hexane	3.52	32.1
Benzene	6.74	26.5
Cyclohexane	2.11	15.7
2,2,4-Trimethylpentane	5.04	34
Heptane	20.2	87.7
Toluene	357	1,480
Ethylbenzene	5.95	28.2
p/m-Xylene	20.8	102
o-Xylene	6.52	33.8
1,2,4-Trimethylbenzene	4.29	14.5

Sample ID	SS-17	IA-17
Sample Type:	SSV	IA
VOCs	Results (μg/m³)	
Site Contaminants of Concern		
Trichloroethene	341	0.79
Building Use Contaminants		
n-Hexane	5.53	25.7
Benzene	10.9	22.6
Cyclohexane	3.27	13.6
2,2,4-Trimethylpentane	4.58	24.2
Heptane	54.9	110
Toluene	1,220	2,060
Ethylbenzene	14.3	34.8
p/m-Xylene	51.3	131
o-Xylene	14.6	43
1,2,4-Trimethylbenzene	5.01	13.5

Sample ID	SS-18	IA-18	IA-DUP
Sample Type:	SSV	IA	IA
VOCs	Results (μg/m³)		
Site Contaminants of Concern			
Trichloroethene	105	1.12	0.871
Building Use Contaminants			
n-Hexane	223	33.2	30.7
Benzene	99	43.1	38.3
Cyclohexane	49.2	22.1	20.4
2,2,4-Trimethylpentane	379	39	35.7
Heptane	224	209	187
Toluene	2,180	4,670	7,240
Ethylbenzene	33.7	56	50.4
p/m-Xylene	115	202	182
o-Xylene	29.1	65.5	59.1
1,2,4-Trimethylbenzene	6.78	18.8	16.2

Sample ID	SS-15	IA-15
Sample Type:	SSV	IA
VOCs	Results (μg/m³)	
Site Contaminants of Concern		
cis-1,2-Dichloroethene	674	0.079
Trichloroethene	5,540	0.946
Building Use Contaminants		
n-Hexane	3.56	24
Benzene	6.84	21.5
Cyclohexane	2.6	17.8
2,2,4-Trimethylpentane	1.67	20.6
Heptane	50	186
Toluene	1,300	4,030
Ethylbenzene	10.9	57.8
p/m-Xylene	39.9	216
o-Xylene	10.9	67.8
1,2,4-Trimethylbenzene	3.57	12.6

NOTES:

1. SOURCE FROM WEST-NYACK-WELLv2000.DWG COMBINED WITH GOOGLE EARTH PRO IMAGE.
2. IA - INDOOR AIR
3. μg/m³ - MICROGRAMS PER LITER
4. SSV - SUB-SLAB VAPOR
5. VOCs - VOLATILE ORGANIC COMPOUNDS
6. ALL SOIL VAPOR INTRUSION (SVI) SAMPLES WERE COLLECTED ON JANUARY 31, 2024.
7. ALL SVI SAMPLES WERE COLLECTED IN 6-LITER SUMMA® CANISTERS EQUIPPED WITH 8-HOUR FLOW REGULATORS AND ANALYTIZED FOR VOCS BY USEPA METHOD TO-15.
8. ALL SVI SAMPLES WERE COMPARED TO THE NYSDOH CEH BEEI INVESTIGATION, SVI GUIDANCE, OCTOBER 2006, AMENDED MAY 2017 AND FEBRUARY 2024 (MATRICES A, B, C, D, E AND F).
9. ONLY DETECTED ANALYTES WITHIN THE NYSDOH MATRICES A, B, C, D, E, F "MONITOR" OR "MITIGATE" ACTIONS ARE SHOWN.
10. LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE DATA SUMMARY TABLES FOR DETAILS REGARDING QUALIFIERS.
11. ORANGE SHADING INDICATES THE RESULT RECOMMENDS "MONITORING" PER THE APPLICABLE NYSDOH MATRIX.
12. RED SHADING INDICATES THE RESULT RECOMMENDS "MITIGATION" PER THE APPLICABLE NYSDOH MATRIX.
13. BLUE SHADING INDICATES THE RESULTS RECOMMENDS "IDENTIFY SOURCE(S), RESAMPLE, OR MITIGATE" PER THE APPLICABLE NYSDOH MATRIX.

LEGEND (SYMBOLS NOT TO SCALE):

- APPROXIMATE SITE BOUNDARY
- BUILDING FOOTPRINT
- RAILROAD TRACKS
- SS# / IA# — 2016 SUB-SLAB SOIL VAPOR AND INDOOR AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER
- AA1 — 2016 AMBIENT AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER
- SS# / IA# — 2018 SUB-SLAB SOIL VAPOR AND INDOOR AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER
- AA2 — 2018 AMBIENT AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER
- SS# / IA# — 2020, 2022, AND 2024 SUB-SLAB SOIL VAPOR AND INDOOR AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER
- AA3 — 2020, 2022, AND 2024 AMBIENT AIR SAMPLING LOCATION AND IDENTIFICATION NUMBER

SCALE: 1" = 50'
SHEET SIZE: 11" BY 17"

NYSDOH MATRIX AND ANALYTE SUMMARY	
Sample ID	ID
Sample Type:	SSV or IA
ANALYTE	NYSDOH Matrix
cis-1,2-Dichloroethene	A
Trichloroethene	A
Benzene	D
Cyclohexane	D
Ethylbenzene	D
1,2,4-Trimethylbenzene	D
2,2,4-Trimethylpentane	D
o-Xylene	D
Heptane	E
n-Hexane	E
p/m-Xylene	E
Toluene	F

PROJECT: CHROMALLOY FORMER CHROMALLOY FACILITY (NYSDEC SITE NO. 344039) 169 WESTERN HIGHWAY WEST NYACK, NEW YORK 10994

TITLE: SELECT SOIL VAPOR INTRUSION AIR SAMPLE RESULTS (JANUARY 2024)

DRAWN BY:	H. DELGADO	PROJ NO.:	190273.2021.0000
CHECKED BY:	K. BAKER		FIGURE 2
APPROVED BY:	J.KING		
DATE:	APRIL 2024		

TRC
3 Corporate Drive, Suite 202
Clifton Park, NY 12065
Phone: 518.348.1190
www.TRCcompanies.com

FILE NO.: Fig 2 - Select SVI Air Samp. Results (Jan. 2024).dwg

DRAWING NAME: \\NYC-FP1\Shared\Projects\190273 - West Nyack - Sequa Corp\Figures\TRC Working Drawings\Fig 2 - Select SVI Air Samp. Results (Jan. 2024).dwg --- PLOT DATE: April 30, 2024 - 12:08PM --- LAYOUT: 11x17
Version: 2017-03-03

ATTACHMENT 1

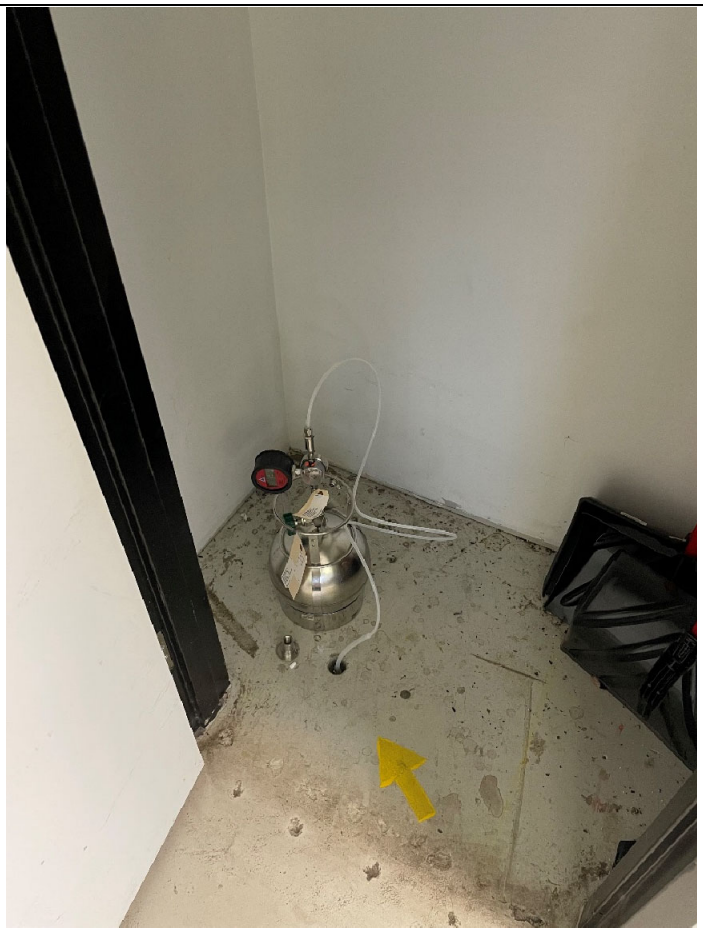
PHOTOGRAPHIC LOG

Photo 1 **Date:** 1/31/2024 **Direction:** E **Photographer:** AF **Description:** View of indoor air sample IA-14.	

Photo 2 **Date:** 1/31/2024 **Direction:** NE **Photographer:** AF **Description:** View of co-located sub slab sample SS-17 and indoor air sample IA-17.	

PHOTOGRAPHIC LOG

Photo 3 **Date:** 1/31/2024 **Direction:** S **Photographer:** AF **Description:** View of sub slab sample SS-14.	

Photo 4 **Date:** 1/31/2024 **Direction:** SE **Photographer:** AF **Description:** View of sub slab sample SS-13.	

PHOTOGRAPHIC LOG

Photo 5 **Date:** 1/31/2024 **Direction:** W **Photographer:** AF **Description:** View of sub slab, indoor ambient and duplicate ambient samples SS-18, IA-18, and IA-DUP.	

Photo 6 **Date:** 1/31/2024 **Direction:** S **Photographer:** AF **Description:** View of petroleum and car detailing chemical storage area.	

PHOTOGRAPHIC LOG

Photo 7 **Date:** 1/31/2024 **Direction:** SW **Photographer:** AF **Description:** View of petroleum storage area.	

Photo 8 **Date:** 1/31/2024 **Direction:** **Photographer:** AF **Description:** View of car wash storage area.	

PHOTOGRAPHIC LOG

Photo 9 **Date:** 1/31/2024 **Direction:** N **Photographer:** AF **Description:** View of laundry storage area.	

Photo 10 **Date:** 1/31/2024 **Direction:** W **Photographer:** AF **Description:** View of wash bay storage area.	

PHOTOGRAPHIC LOG

Photo 11 **Date:** 1/31/2024 **Direction:** **Photographer:** AF **Description:** View of windshield washer concentrate.	

Photo 12 **Date:** 1/31/2024 **Direction:** **Photographer:** AF **Description:** View of cleaning products.	

PHOTOGRAPHIC LOG

Photo 13	
Date: 1/31/2024	
Direction:	
Photographer: AF	
Description: View of cleaning products.	

ATTACHMENT 2

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Former Chromalloy Facility Site Code: Operable Unit:

Building Code: Building Name: Paragon Honda

Address: 169 Western Highway Apt/Suite No:

City: West Nyack State: NY Zip: County: Rockland

Contact Information

Preparer's Name: Andrew Fishman Phone No: 518-478-5210

Preparer's Affiliation: TRC Engineers Company Code:

Purpose of Investigation: Biennial SVI Date of Inspection: 1-30-24

Contact Name: Affiliation:

Phone No: Alt. Phone No: Email: AFishman@TRCCompanies.cc

Number of Occupants (total): Number of Children:

☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): Owner Phone:

Owner Mailing Address:

Building Details

Bldg Type (Res/Com/Ind/Mixed): COMMERCIAL/MIXED Bldg Size (S/M/L):

If Commercial or Industrial Facility, Select Operations: AUTO SALES/REPAIR

If Residential Select Structure Type:

Number of Floors: 1 Approx. Year Construction: ☒ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Warehouse with multiple bay doors, which open/close in throughout the day.

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): 1 Unit: FEET

Foundation Floor Material: POURED CONCRETE

Foundation Wall Material: CONCRETE BLOCK

Foundation Floor Thickness: 5-12.5

Foundation Wall Thickness: 12

Unit: INCHES

☒ Floor penetrations? Describe Floor Penetrations: Drainage for wash area, roof drains

☒ Wall penetrations? Describe Wall Penetrations: Utilities, fire suppression

Basement is: Basement is: ☐ Sumps/Drains? Water In Sump?: N/A

Describe Foundation Condition (cracks, seepage, etc.) :

☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating/Cooling/Ventilation Systems

Heating System: RADIANT HEATING Heat Fuel Type: GAS ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: ELECTRIC

Water Htr Vent Location: OUTSIDE Dryer Vent Location: OUTSIDE

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: _____ Bldg Code: _____ Date: _____

Bldg Address: _____ Apt/Suite No: _____

Bldg City/State/Zip: _____

Make and Model of PID: _____ Date of Calibration: _____

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Wash bay	Sudzy Galore	5 g x 2	U	Unknown	4060	☐
Wash bay	Red Stuff Special	55 g x 3	U	Unknown	4284	☐
Wash bay	Windex	5 g x 15	U	Unknown	3918	☐
Wash bay	Body Shine	5 g x 13	U	Unknown	3902	☐
NE Wall	Windshield Washer Conc.	55 g	UO	Unknown	2672	☐
Front lift area	Mobil Super 0W-20	55 g x 3	U	Motor Oil	2378	☐
Front lift area	Pennzoil 0W-20	55 g x 4	U	Motor Oil	2395	☐
Front lift area	Motor oil 0W-20	500 g x 2	U	Motor Oil	**2364**	☐
Front lift area	Used Oil	500 g	U	Used Oil	2528	☐
Wash bay	Tire and wheel cleaner	55 g x 2	U	Unknown	3840	☐
Wash bay	Wet Look	5 g x 5	U		3818	☐
Wash bay	Dustoff	4 g x 5	U		3826	☐
Wash bay	Engine wash	2 g x 5	U		3912	☐
Laundry area	Adhesive remover	5g	U		1,892	☐
Laundry area	Premium thinner	5g	U		2,011	☐
Laundry area	Multi-purpose degreaser	5g	U		1,856	☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes ▼ Were there any elevated PID readings taken on site? Yes ▼ ☐ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: _____ Site Code: _____ Operable Unit: _____

Building Code: _____ Building Name: _____

Address: _____ Apt/Suite No: _____

City: _____ State: _____ Zip: _____ County: _____

Factors Affecting Indoor Air Quailty

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☐ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: _____ ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☒ Cleaning Products Used Recently?: Description of Cleaning Products: Car cleaning products

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Car cleaning products

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Body prep solvent, thinners ,adhesive

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

Active use of vehicles moving through area, oil/gasoline storage, and active use of car cleaning agents in car wash area.

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: 2016, 2018, 2020, 2022

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 36 °F

Current Building Use: _____ Barometric Pressure: 30.21 in(hg)

Product Inventory Complete? Yes ☐ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: _____ Address: _____

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: 1-31-24

Date Samples Sent To Lab: 2-1-24

Sample Chain of Custody Number: _____

Outdoor Air Sample Location ID: AA-03

SUMMA Canister Information

Sample ID:	SS-13	IA-13	SS-14	IA-14	SS-15
Location Code:	SS-13	IA-13	SS-14	IA-14	SS-15
Location Type:	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR	SUBSLAB
Canister ID:	1624	927	643	633	1978
Regulator ID:					
Matrix:	Subslab Soil Va	Indoor Air	Subslab Soi	Indoor Air	Subslab Soi
Sampling Method:	SUMMA AIR SAMPL	SUMMA AIR S	SUMMA AIR S	SUMMA AIR S	SUMMA AIR S

Sampling Area Info

Slab Thickness (inches):	7		8		
Sub-Slab Material:	DIRT		DIRT		DIRT
Sub-Slab Moisture:	DRY		DRY		DRY
Seal Type:	MECHANICAL		MECHANICAL		MECHANICAL
Seal Adequate?:	☒	☐	☒	☐	☒

Sample Times and Vacuum Readings

Sample Start Date/Time:	1/31/24 7:24	1/31/24 7:30	1/31/24 7:15	1/31/24 7:17	1/31/24 7:10
Vacuum Gauge Start:	-30.31	-30.24	-30.11	-30.28	-30.27
Sample End Date/Time:	1/31/24 15:30	1/31/24 15:31	1/31/24 15:16	1/31/24 15:17	1/31/24 15:12
Vacuum Gauge End:	-7.29	-7.3	-6.57	-5.91	-5.91
Sample Duration (hrs):	8	8	8	8	8
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	in(hg)

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☒	☐	☒
Purge PID Reading:	1245		243		
Purge PID Unit:	ppb		ppb		
Tracer Test Pass:	☐	☐	☒	☐	☒

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Commercial Address: 169 Western Highway West Nyack, NY 10994

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: 1-31-24

Date Samples Sent To Lab: 2-1-24

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-03

SUMMA Canister Information

Sample ID:	IA-15	IA-16	SS-16	IA-17	SS-17
Location Code:	IA-15	IA-16	SS-16	IA-17	SS-17
Location Type:	FIRST FLOOR	FIRST FLOOR	SUBSLAB	FIRST FLOOR	FIRST FLOOR
Canister ID:	2921	1831	1831	599	1855
Regulator ID:					
Matrix:	Indoor Air	Indoor Air	Subslab Soi	Indoor Air	Subslab Soil
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:			DIRT		DIRT
Sub-Slab Moisture:			DRY		DRY
Seal Type:			MECHANICAL		MECHANICAL
Seal Adequate?:	☐	☐	☒	☐	☒

Sample Times and Vacuum Readings

Sample Start Date/Time:	01/31/24 7:12	01/31/24 7:26	01/31/24 7:25	01/31/24 7:21	01/31/24 7:20
Vacuum Gauge Start:	-30.14	-30.17	-30.808	-30.33	-30.27
Sample End Date/Time:	01/31/24 15:13	01/31/24 15:2	01/31/24 15:2	01/31/24 15:2	01/31/24 15:2
Vacuum Gauge End:	-5.57	-5.39	-6.35	-7.81	-6.33
Sample Duration (hrs):	8	8	8	8	8
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	in(hg)

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☒	☐	☒
Purge PID Reading:			284		1158
Purge PID Unit:			ppb		ppb
Tracer Test Pass:	☐	☐	☐	☐	☒

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Commercial Address: 169 Western Highway West Nyack, NY 10994

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: 1-31-24

Date Samples Sent To Lab: 2-1-24

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-03

SUMMA Canister Information

Sample ID:	IA-DUP	AA-03	SS-18	IA-18	
Location Code:	IA-18	AA-03	SS-18	IA-18	
Location Type:	FIRST FLOOR	FIRST FLOOR	SUBSLAB	FIRST FLOOR	
Canister ID:	3628	3064	1567	3616	
Regulator ID:					
Matrix:	Indoor Air	Ambient Out	Subslab Soi	Indoor Air	
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:			DIRT		
Sub-Slab Moisture:			DRY		
Seal Type:			MECHANICAL		
Seal Adequate?:	☐	☐	☒	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	01/31/24 12:00	01/31/24 7:32	01/31/24 7:00	01/31/24 7:02	
Vacuum Gauge Start:	-30.2	-30.45	-30.01	-29.43	
Sample End Date/Time:	01/31/24 18:00	01/31/24 15:3	01/31/24 15:0	01/31/24 15:0	
Vacuum Gauge End:	-6.53	-6.85	-20.8	-5.16	
Sample Duration (hrs):	8	8	8	8	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☒	☐	☐
Purge PID Reading:			1567		
Purge PID Unit:			ppb		
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image

Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling Questionnaire and Building Inventory

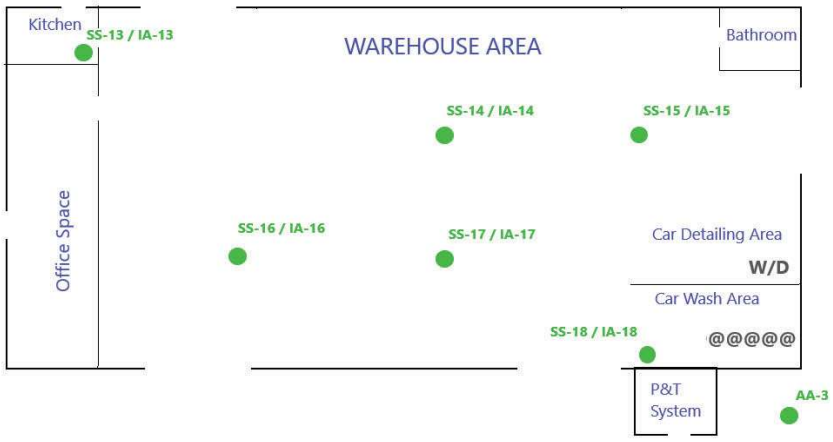
New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the first floor of the building.
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image

Former Chromalloy Site
NYSDEC Site No. 344039
Building Sketch



*Building sketch not to scale

Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image

Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or **F**	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

ATTACHMENT 3

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	13:10	99.999	%	
Sampling Train	12:33	0.0	ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 1624 **Flow Controller I.D.:** 00585

Start Time: 7:24 **Initial Vacuum Pressure in Sample Canister:** -30.31 in Hg

Stop Time: 15:30 **Final Vacuum Pressure in Sample Canister:** 7.29 in Hg

Sample I.D.: SS-13 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 191 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 927 **Flow Controller I.D.:** 1492

Start Time: 7:30 **Initial Vacuum Pressure in Sample Canister:** -30.24 in Hg

Stop Time: 15:31 **Final Vacuum Pressure in Sample Canister:** -7.3 in Hg

Sample I.D.: IA-13 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 1,245 ppb **Sample Intake Height:** 48 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 36 in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	12:00	99.999	10.50%	
Sampling Train	12:03	0.0	0 ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 643 **Flow Controller I.D.:** 00764

Start Time: 7:15 **Initial Vacuum Pressure in Sample Canister:** -30.11 in Hg

Stop Time: 15:16 **Final Vacuum Pressure in Sample Canister:** -6.57 in Hg

Sample I.D.: SS-14 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 243 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 633 **Flow Controller I.D.:** 0680

Start Time: 7:17 **Initial Vacuum Pressure in Sample Canister:** -30.28 in Hg

Stop Time: 15:17 **Final Vacuum Pressure in Sample Canister:** -5.91 in Hg

Sample I.D.: IA-14 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 1,440 ppb **Sample Intake Height:** 48 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	11:50	99.999	11.90%	
Sampling Train	11:55	0.0	0 ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 1978 **Flow Controller I.D.:** 00612

Start Time: 7:10 **Initial Vacuum Pressure in Sample Canister:** -30.27 in Hg

Stop Time: 15:12 **Final Vacuum Pressure in Sample Canister:** -5.91 in Hg

Sample I.D.: SS-15 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 26.82 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 2921 **Flow Controller I.D.:** 2178

Start Time: 7:12 **Initial Vacuum Pressure in Sample Canister:** -30.14 in Hg

Stop Time: 15:13 **Final Vacuum Pressure in Sample Canister:** -5.57 in Hg

Sample I.D.: IA-15 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 3,566 ppb **Sample Intake Height:** 60 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	12:30	99.999	11.20%	
Sampling Train	12:33	0.0	0 ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 1831 **Flow Controller I.D.:** 01576

Start Time: 7:25 **Initial Vacuum Pressure in Sample Canister:** -30.808 in Hg

Stop Time: 15:26 **Final Vacuum Pressure in Sample Canister:** -6.35 in Hg

Sample I.D.: SS-16 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 284.00 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3604 **Flow Controller I.D.:** 2211

Start Time: 7:26 **Initial Vacuum Pressure in Sample Canister:** -30.17 in Hg

Stop Time: 15:27 **Final Vacuum Pressure in Sample Canister:** -5.39 in Hg

Sample I.D.: IA-16 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 3,144 ppb **Sample Intake Height:** 60 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	12:10	99.999	10.30%	
Sampling Train	12:12	0.0	0 ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 1855 **Flow Controller I.D.:** 01249

Start Time: 7:20 **Initial Vacuum Pressure in Sample Canister:** -30.27 in Hg

Stop Time: 15:21 **Final Vacuum Pressure in Sample Canister:** -6.33 in Hg

Sample I.D.: SS-17 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 1,158.00 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 599 **Flow Controller I.D.:** 1294

Start Time: 7:21 **Initial Vacuum Pressure in Sample Canister:** -30.33 in Hg

Stop Time: 15:22 **Final Vacuum Pressure in Sample Canister:** -7.81 in Hg

Sample I.D.: IA-17 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 3,043 ppb **Sample Intake Height:** 60 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	11:30	99.999	12.50%	
Sampling Train	11:35	0.0	0 ppm	PASS

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2nd attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): Brake fluid controller **One Purge Volume (mL):** NA

Purge Time (min): 5 **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: 1567 **Flow Controller I.D.:** 01550

Start Time: 7:00 **Initial Vacuum Pressure in Sample Canister:** -30.01 in Hg

Stop Time: 15:06 **Final Vacuum Pressure in Sample Canister:** -20.8 in Hg

Sample I.D.: SS-18 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 4,307.00 ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3616 **Flow Controller I.D.:** 1722

Start Time: 7:02 **Initial Vacuum Pressure in Sample Canister:** -29.43 in Hg

Stop Time: 15:07 **Final Vacuum Pressure in Sample Canister:** -5.16 in Hg

Sample I.D.: IA-18 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 6,826 ppb **Sample Intake Height:** 40 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2^{n}d attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): NA **One Purge Volume (mL):** NA

Purge Time (min): NA **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: _____ **Flow Controller I.D.:** _____

Start Time: _____ **Initial Vacuum Pressure in Sample Canister:** _____ in Hg

Stop Time: _____ **Final Vacuum Pressure in Sample Canister:** _____ in Hg

Sample I.D.: _____ **Laboratory:** _____

PID Reading (Sample Train): _____ ppb **Slab Thickness:** _____ inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: _____ **Flow Controller I.D.:** _____

Start Time: _____ **Initial Vacuum Pressure in Sample Canister:** _____ in Hg

Stop Time: _____ **Final Vacuum Pressure in Sample Canister:** _____ in Hg

Sample I.D.: _____ **Laboratory:** _____

PID Reading (Sample Train): _____ ppb **Sample Intake Height:** _____ in

AMBIENT AIR SAMPLING

Canister I.D.: 3064 **Flow Controller I.D.:** 01997

Start Time: 7:32 **Initial Vacuum Pressure in Sample Canister:** -30.45 in Hg

Stop Time: 15:33 **Final Vacuum Pressure in Sample Canister:** -6.85 in Hg

Sample I.D.: AA-3 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 19 ppb **Sample Intake Height:** 60 in

RECORD OF VAPOR SAMPLING

Date: 1/31/2024 **TRC Project Number** 190273.2021.0000

Project Name: Former Chromalloy **Field Personnel:** A. Fishman

Weather: Mostly Cloudy, ~36 F

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

Helium concentration within sampling train should be less than 5% of shroud atmosphere concentration. If seal or probe needs to be reset then record 2^{n}d attempt below.

Retest (if applicable)	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	NA	NA	NA	NA
Sampling Train	NA	NA	NA	NA

VAPOR PURGING

ONE PURGE VOLUME (ML) = VT + VP

VT = TUBING LENGTH (FT) * 5.4 ML/FT

VP = (3.14 * R2 * H) * 16.387 ML/IN3

VT – Total tubing volume in mL (1/4–inch OD, 3/16-inch ID tubing)

VP – Volume of air in entire length of vapor point in mL

R – Radius of inner diameter of vapor point (inches)

H – Length of vapor point (inches)

Purge Rate (mL/min): NA **One Purge Volume (mL):** NA

Purge Time (min): NA **Total Volume Purged (mL):** NA

Purging two to five purge volumes while collecting inert gas readings prior to sample collection is ideal.

SUB-SLAB VAPOR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:**

PID Reading (Sample Train): ppb **Slab Thickness:** inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3628 **Flow Controller I.D.:** 1646

Start Time: 12:00 **Initial Vacuum Pressure in Sample Canister:** -30.2 in Hg

Stop Time: 18:00 **Final Vacuum Pressure in Sample Canister:** -6.53 in Hg

Sample I.D.: IA-DUP **Laboratory:**

PID Reading (Sample Train): 6,782 ppb **Sample Intake Height:** 40 in

AMBIENT AIR SAMPLING

Canister I.D.: **Flow Controller I.D.:**

Start Time: **Initial Vacuum Pressure in Sample Canister:** in Hg

Stop Time: **Final Vacuum Pressure in Sample Canister:** in Hg

Sample I.D.: **Laboratory:**

PID Reading (Sample Train): ppb **Sample Intake Height:** in

ATTACHMENT 4

ANALYTICAL REPORT

Lab Number:	L2405593
Client:	TRC Solutions 3 Corporate Drive Suite 202 Clifton Park, NY 12065
ATTN:	Jeffrey LaRock
Phone:	(518) 688-3109
Project Name:	FORMER CHROMALLOY
Project Number:	190273.2021
Report Date:	03/13/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

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

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2405593-01	SS-13	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:30	02/01/24
L2405593-02	IA-13	AIR	WEST NYACK, NY	01/31/24 15:31	02/01/24
L2405593-03	SS-14	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:16	02/01/24
L2405593-04	IA-14	AIR	WEST NYACK, NY	01/31/24 15:17	02/01/24
L2405593-05	SS-15	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:12	02/01/24
L2405593-06	IA-15	AIR	WEST NYACK, NY	01/31/24 15:13	02/01/24
L2405593-07	SS-16	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:26	02/01/24
L2405593-08	IA-16	AIR	WEST NYACK, NY	01/31/24 15:27	02/01/24
L2405593-09	SS-17	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:21	02/01/24
L2405593-10	IA-17	AIR	WEST NYACK, NY	01/31/24 15:22	02/01/24
L2405593-11	SS-18	SOIL_VAPOR	WEST NYACK, NY	01/31/24 15:06	02/01/24
L2405593-12	IA-18	AIR	WEST NYACK, NY	01/31/24 15:07	02/01/24
L2405593-13	IA-DUP	AIR	WEST NYACK, NY	01/31/24 18:00	02/01/24
L2405593-14	AA-3	AIR	WEST NYACK, NY	01/31/24 15:33	02/01/24
L2405593-15	UNUSED CAN #979	AIR	WEST NYACK, NY		02/01/24

Project Name:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

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 Alpha 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, solids and tissues are reported on a dry 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

Case Narrative (continued)

Report Revision

March 13, 2024 the report has been amended to include Naphthalene at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on January 25, 2024. The canister certification data is provided as an addendum.

L2405593-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2405593-02D: 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.

L2405593-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2405593-04D: 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.

L2405593-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2405593-05D, -06D, -08D, -09D, -10D, and -13D: The samples have elevated detection limits due to the

Project Name:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

Case Narrative (continued)

dilution required by the elevated concentrations of target compounds in the samples.

L2405593-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2405593-11D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2405593-11D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2405593-12D: 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.

The WG1885730-3 LCS recovery for 3-chloropropene (142%) and 1,2-dichloroethane (134%), associated with TO15-LL, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 03/13/24

AIR

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-01 D
Client ID: SS-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:30
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 05:02
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.588	0.500	--	2.91	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	20.5	12.5	--	38.6	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	51.4	2.50	--	122	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	18.7	1.25	--	46.0	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	ND	0.500	--	ND	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	ND	1.25	--	ND	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-01 D
Client ID: SS-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:30
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	1.04	0.500	--	3.67	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	2.19	0.500	--	7.00	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	0.718	0.500	--	2.47	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	0.680	0.500	--	3.65	2.69	--		2.5
2,2,4-Trimethylpentane	0.755	0.500	--	3.53	2.34	--		2.5
Heptane	7.57	0.500	--	31.0	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	179	0.500	--	675	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	ND	0.500	--	ND	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	1.71	0.500	--	7.43	2.17	--		2.5

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-01 D
Client ID: SS-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:30
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.92	1.00	--	25.7	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	1.73	0.500	--	7.37	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	1.85	0.500	--	8.04	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	0.990	0.500	--	4.87	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Naphthalene	ND	0.500	--	ND	2.62	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	104		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-02
Client ID: IA-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:31
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 20:57
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.598	0.200	--	2.96	0.989	--		1
Chloromethane	0.620	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.461	0.200	--	1.02	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	115	5.00	--	217	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	412	1.00	--	979	2.38	--		1
Trichlorofluoromethane	0.273	0.200	--	1.53	1.12	--		1
Isopropanol	14.4	0.500	--	35.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.06	0.500	--	9.02	1.47	--		1
Ethyl Acetate	1.10	0.500	--	3.96	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-02
Client ID: IA-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:31
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.55	0.200	--	23.1	0.705	--		1
Benzene	6.04	0.200	--	19.3	0.639	--		1
Cyclohexane	3.54	0.200	--	12.2	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	4.38	0.200	--	20.5	0.934	--		1
Heptane	20.8	0.200	--	85.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.57	0.500	--	10.5	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	304	0.200	--	1150	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.43	0.200	--	23.6	0.869	--		1
p/m-Xylene	20.5	0.400	--	89.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.349	0.200	--	1.49	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.70	0.200	--	29.1	0.869	--		1
4-Ethyltoluene	0.560	0.200	--	2.75	0.983	--		1
1,3,5-Trimethylbenzene	0.728	0.200	--	3.58	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-02
Client ID: IA-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:31
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.47	0.200	--	12.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.338	0.200	--	1.77	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-02
Client ID: IA-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:31
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 20:57
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	0.174	0.020	--	0.935	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-02 D
Client ID: IA-13
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:31
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 10:38
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Toluene	329	1.67	--	1240	6.29	--		8.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	102		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	106		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-03 D
Client ID: SS-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:16
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 05:39
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.14	0.833	--	5.64	4.12	--		4.167
Chloromethane	ND	0.833	--	ND	1.72	--		4.167
Freon-114	ND	0.833	--	ND	5.82	--		4.167
Vinyl chloride	ND	0.833	--	ND	2.13	--		4.167
1,3-Butadiene	ND	0.833	--	ND	1.84	--		4.167
Bromomethane	ND	0.833	--	ND	3.23	--		4.167
Chloroethane	ND	0.833	--	ND	2.20	--		4.167
Ethanol	ND	20.8	--	ND	39.2	--		4.167
Vinyl bromide	ND	0.833	--	ND	3.64	--		4.167
Acetone	71.5	4.17	--	170	9.91	--		4.167
Trichlorofluoromethane	ND	0.833	--	ND	4.68	--		4.167
Isopropanol	15.8	2.08	--	38.8	5.11	--		4.167
1,1-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
Tertiary butyl Alcohol	ND	2.08	--	ND	6.31	--		4.167
Methylene chloride	ND	2.08	--	ND	7.23	--		4.167
3-Chloropropene	ND	0.833	--	ND	2.61	--		4.167
Carbon disulfide	ND	0.833	--	ND	2.59	--		4.167
Freon-113	ND	0.833	--	ND	6.38	--		4.167
trans-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
1,1-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
Methyl tert butyl ether	ND	0.833	--	ND	3.00	--		4.167
2-Butanone	ND	2.08	--	ND	6.13	--		4.167
cis-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-03 D
Client ID: SS-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:16
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.08	--	ND	7.50	--		4.167
Chloroform	ND	0.833	--	ND	4.07	--		4.167
Tetrahydrofuran	ND	2.08	--	ND	6.13	--		4.167
1,2-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
n-Hexane	1.10	0.833	--	3.88	2.94	--		4.167
1,1,1-Trichloroethane	ND	0.833	--	ND	4.54	--		4.167
Benzene	2.48	0.833	--	7.92	2.66	--		4.167
Carbon tetrachloride	ND	0.833	--	ND	5.24	--		4.167
Cyclohexane	ND	0.833	--	ND	2.87	--		4.167
1,2-Dichloropropane	ND	0.833	--	ND	3.85	--		4.167
Bromodichloromethane	ND	0.833	--	ND	5.58	--		4.167
1,4-Dioxane	ND	0.833	--	ND	3.00	--		4.167
Trichloroethene	2.50	0.833	--	13.4	4.48	--		4.167
2,2,4-Trimethylpentane	ND	0.833	--	ND	3.89	--		4.167
Heptane	11.8	0.833	--	48.4	3.41	--		4.167
cis-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
4-Methyl-2-pentanone	ND	2.08	--	ND	8.52	--		4.167
trans-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
1,1,2-Trichloroethane	ND	0.833	--	ND	4.54	--		4.167
Toluene	246	0.833	--	927	3.14	--		4.167
2-Hexanone	ND	0.833	--	ND	3.41	--		4.167
Dibromochloromethane	ND	0.833	--	ND	7.10	--		4.167
1,2-Dibromoethane	ND	0.833	--	ND	6.40	--		4.167
Tetrachloroethene	ND	0.833	--	ND	5.65	--		4.167
Chlorobenzene	ND	0.833	--	ND	3.84	--		4.167
Ethylbenzene	2.73	0.833	--	11.9	3.62	--		4.167

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-03 D
Client ID: SS-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:16
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	9.78	1.67	--	42.5	7.25	--		4.167
Bromoform	ND	0.833	--	ND	8.61	--		4.167
Styrene	1.16	0.833	--	4.94	3.55	--		4.167
1,1,2,2-Tetrachloroethane	ND	0.833	--	ND	5.72	--		4.167
o-Xylene	2.70	0.833	--	11.7	3.62	--		4.167
4-Ethyltoluene	ND	0.833	--	ND	4.10	--		4.167
1,3,5-Trimethylbenzene	ND	0.833	--	ND	4.10	--		4.167
1,2,4-Trimethylbenzene	0.892	0.833	--	4.39	4.10	--		4.167
Benzyl chloride	ND	0.833	--	ND	4.31	--		4.167
1,3-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,4-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2,4-Trichlorobenzene	ND	0.833	--	ND	6.18	--		4.167
Naphthalene	ND	0.833	--	ND	4.37	--		4.167
Hexachlorobutadiene	ND	0.833	--	ND	8.89	--		4.167

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	110		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-04
Client ID: IA-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:17
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 21:38
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.593	0.200	--	2.93	0.989	--		1
Chloromethane	0.582	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.522	0.200	--	1.15	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	78.4	5.00	--	148	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1030	1.00	--	2450	2.38	--	E	1
Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--		1
Isopropanol	13.8	0.500	--	33.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.05	0.500	--	9.00	1.47	--		1
Ethyl Acetate	1.34	0.500	--	4.83	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-04
Client ID: IA-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:17
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.28	0.200	--	25.7	0.705	--		1
Benzene	7.91	0.200	--	25.3	0.639	--		1
Cyclohexane	3.89	0.200	--	13.4	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	4.90	0.200	--	22.9	0.934	--		1
Heptane	33.9	0.200	--	139	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.80	0.500	--	7.38	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	321	0.200	--	1210	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	10.3	0.200	--	44.7	0.869	--		1
p/m-Xylene	38.5	0.400	--	167	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.299	0.200	--	1.27	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	12.7	0.200	--	55.2	0.869	--		1
4-Ethyltoluene	0.604	0.200	--	2.97	0.983	--		1
1,3,5-Trimethylbenzene	0.792	0.200	--	3.89	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-04
Client ID: IA-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:17
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.61	0.200	--	12.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.358	0.200	--	1.88	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-04
Client ID: IA-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:17
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 21:38
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	0.137	0.020	--	0.736	0.107	--		1
Tetrachloroethene	0.032	0.020	--	0.217	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-04 D
Client ID: IA-14
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:17
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 11:15
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	986	8.33	--	2340	19.8	--		8.333
Toluene	369	1.67	--	1390	6.29	--		8.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	104		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-05 D
Client ID: SS-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:12
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 06:16
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.29	0.357	--	6.38	1.77	--		1.786
Chloromethane	ND	0.357	--	ND	0.737	--		1.786
Freon-114	ND	0.357	--	ND	2.50	--		1.786
Vinyl chloride	ND	0.357	--	ND	0.913	--		1.786
1,3-Butadiene	ND	0.357	--	ND	0.790	--		1.786
Bromomethane	ND	0.357	--	ND	1.39	--		1.786
Chloroethane	ND	0.357	--	ND	0.942	--		1.786
Ethanol	16.6	8.93	--	31.3	16.8	--		1.786
Vinyl bromide	ND	0.357	--	ND	1.56	--		1.786
Acetone	52.4	1.79	--	124	4.25	--		1.786
Trichlorofluoromethane	ND	0.357	--	ND	2.01	--		1.786
Isopropanol	17.2	0.893	--	42.3	2.20	--		1.786
1,1-Dichloroethene	ND	0.357	--	ND	1.42	--		1.786
Tertiary butyl Alcohol	ND	0.893	--	ND	2.71	--		1.786
Methylene chloride	ND	0.893	--	ND	3.10	--		1.786
3-Chloropropene	ND	0.357	--	ND	1.12	--		1.786
Carbon disulfide	ND	0.357	--	ND	1.11	--		1.786
Freon-113	ND	0.357	--	ND	2.74	--		1.786
trans-1,2-Dichloroethene	28.8	0.357	--	114	1.42	--		1.786
1,1-Dichloroethane	ND	0.357	--	ND	1.44	--		1.786
Methyl tert butyl ether	ND	0.357	--	ND	1.29	--		1.786
2-Butanone	1.13	0.893	--	3.33	2.63	--		1.786
cis-1,2-Dichloroethene	170	0.357	--	674	1.42	--		1.786

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-05 D
Client ID: SS-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:12
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.893	--	ND	3.22	--		1.786
Chloroform	70.0	0.357	--	342	1.74	--		1.786
Tetrahydrofuran	ND	0.893	--	ND	2.63	--		1.786
1,2-Dichloroethane	ND	0.357	--	ND	1.44	--		1.786
n-Hexane	1.01	0.357	--	3.56	1.26	--		1.786
1,1,1-Trichloroethane	0.830	0.357	--	4.53	1.95	--		1.786
Benzene	2.14	0.357	--	6.84	1.14	--		1.786
Carbon tetrachloride	ND	0.357	--	ND	2.25	--		1.786
Cyclohexane	0.754	0.357	--	2.60	1.23	--		1.786
1,2-Dichloropropane	ND	0.357	--	ND	1.65	--		1.786
Bromodichloromethane	ND	0.357	--	ND	2.39	--		1.786
1,4-Dioxane	ND	0.357	--	ND	1.29	--		1.786
Trichloroethene	890	0.357	--	4780	1.92	--	E	1.786
2,2,4-Trimethylpentane	ND	0.357	--	ND	1.67	--		1.786
Heptane	12.2	0.357	--	50.0	1.46	--		1.786
cis-1,3-Dichloropropene	ND	0.357	--	ND	1.62	--		1.786
4-Methyl-2-pentanone	ND	0.893	--	ND	3.66	--		1.786
trans-1,3-Dichloropropene	ND	0.357	--	ND	1.62	--		1.786
1,1,2-Trichloroethane	ND	0.357	--	ND	1.95	--		1.786
Toluene	336	0.357	--	1270	1.35	--	E	1.786
2-Hexanone	ND	0.357	--	ND	1.46	--		1.786
Dibromochloromethane	ND	0.357	--	ND	3.04	--		1.786
1,2-Dibromoethane	ND	0.357	--	ND	2.74	--		1.786
Tetrachloroethene	0.684	0.357	--	4.64	2.42	--		1.786
Chlorobenzene	ND	0.357	--	ND	1.64	--		1.786
Ethylbenzene	2.51	0.357	--	10.9	1.55	--		1.786

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-05 D
Client ID: SS-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:12
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	9.19	0.714	--	39.9	3.10	--		1.786
Bromoform	ND	0.357	--	ND	3.69	--		1.786
Styrene	0.873	0.357	--	3.72	1.52	--		1.786
1,1,2,2-Tetrachloroethane	ND	0.357	--	ND	2.45	--		1.786
o-Xylene	2.52	0.357	--	10.9	1.55	--		1.786
4-Ethyltoluene	ND	0.357	--	ND	1.76	--		1.786
1,3,5-Trimethylbenzene	ND	0.357	--	ND	1.76	--		1.786
1,2,4-Trimethylbenzene	0.727	0.357	--	3.57	1.76	--		1.786
Benzyl chloride	ND	0.357	--	ND	1.85	--		1.786
1,3-Dichlorobenzene	ND	0.357	--	ND	2.15	--		1.786
1,4-Dichlorobenzene	ND	0.357	--	ND	2.15	--		1.786
1,2-Dichlorobenzene	ND	0.357	--	ND	2.15	--		1.786
1,2,4-Trichlorobenzene	ND	0.357	--	ND	2.65	--		1.786
Naphthalene	ND	0.357	--	ND	1.87	--		1.786
Hexachlorobutadiene	ND	0.357	--	ND	3.81	--		1.786

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	102		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-05 D
Client ID: SS-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:12
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/16/24 01:07
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	1030	2.50	--	5540	13.4	--		12.5
Toluene	344	2.50	--	1300	9.42	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-06
Client ID: IA-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:13
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 22:18
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--		1
Chloromethane	0.492	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.512	0.200	--	1.13	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	63.5	5.00	--	120	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	811	1.00	--	1930	2.38	--	E	1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	27.0	0.500	--	66.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.12	0.500	--	15.1	1.47	--		1
Ethyl Acetate	0.848	0.500	--	3.06	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-06
Client ID: IA-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:13
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.82	0.200	--	24.0	0.705	--		1
Benzene	6.72	0.200	--	21.5	0.639	--		1
Cyclohexane	5.18	0.200	--	17.8	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	4.40	0.200	--	20.6	0.934	--		1
Heptane	45.4	0.200	--	186	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.98	0.500	--	8.11	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	447	0.200	--	1680	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	13.3	0.200	--	57.8	0.869	--		1
p/m-Xylene	49.8	0.400	--	216	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.354	0.200	--	1.51	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	15.6	0.200	--	67.8	0.869	--		1
4-Ethyltoluene	0.675	0.200	--	3.32	0.983	--		1
1,3,5-Trimethylbenzene	0.793	0.200	--	3.90	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-06
Client ID: IA-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:13
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.57	0.200	--	12.6	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.353	0.200	--	1.85	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	117		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-06
Client ID: IA-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:13
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 22:18
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.176	0.020	--	0.946	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	110		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	117		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-06 D
Client ID: IA-15
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:13
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 22:51
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	1160	12.5	--	2760	29.7	--		12.5
Toluene	1070	2.50	--	4030	9.42	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-07 D
Client ID: SS-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:26
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/16/24 01:42
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.602	0.250	--	2.98	1.24	--		1.25
Chloromethane	ND	0.250	--	ND	0.516	--		1.25
Freon-114	ND	0.250	--	ND	1.75	--		1.25
Vinyl chloride	ND	0.250	--	ND	0.639	--		1.25
1,3-Butadiene	ND	0.250	--	ND	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	14.1	6.25	--	26.6	11.8	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	52.5	1.25	--	125	2.97	--		1.25
Trichlorofluoromethane	0.271	0.250	--	1.52	1.40	--		1.25
Isopropanol	20.9	0.625	--	51.4	1.54	--		1.25
1,1-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Tertiary butyl Alcohol	ND	0.625	--	ND	1.89	--		1.25
Methylene chloride	ND	0.625	--	ND	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	ND	0.250	--	ND	0.779	--		1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	1.70	0.625	--	5.01	1.84	--		1.25
cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-07 D
Client ID: SS-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:26
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25
Chloroform	ND	0.250	--	ND	1.22	--		1.25
Tetrahydrofuran	ND	0.625	--	ND	1.84	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
n-Hexane	1.00	0.250	--	3.52	0.881	--		1.25
1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Benzene	2.11	0.250	--	6.74	0.799	--		1.25
Carbon tetrachloride	ND	0.250	--	ND	1.57	--		1.25
Cyclohexane	0.614	0.250	--	2.11	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	5.99	0.250	--	32.2	1.34	--		1.25
2,2,4-Trimethylpentane	1.08	0.250	--	5.04	1.17	--		1.25
Heptane	4.94	0.250	--	20.2	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	ND	0.625	--	ND	2.56	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	94.8	0.250	--	357	0.942	--		1.25
2-Hexanone	ND	0.250	--	ND	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	0.372	0.250	--	2.52	1.70	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	1.37	0.250	--	5.95	1.09	--		1.25

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-07 D
Client ID: SS-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:26
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	4.78	0.500	--	20.8	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	1.28	0.250	--	5.45	1.06	--		1.25
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	1.50	0.250	--	6.52	1.09	--		1.25
4-Ethyltoluene	ND	0.250	--	ND	1.23	--		1.25
1,3,5-Trimethylbenzene	0.264	0.250	--	1.30	1.23	--		1.25
1,2,4-Trimethylbenzene	0.872	0.250	--	4.29	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Naphthalene	ND	0.250	--	ND	1.31	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	98		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-08
Client ID: IA-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:27
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 22:57
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--		1
Chloromethane	0.458	0.200	--	0.946	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.610	0.200	--	1.35	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	104	5.00	--	196	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	483	1.00	--	1150	2.38	--		1
Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--		1
Isopropanol	11.6	0.500	--	28.5	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.89	0.500	--	8.52	1.47	--		1
Ethyl Acetate	1.31	0.500	--	4.72	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-08
Client ID: IA-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:27
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.12	0.200	--	32.1	0.705	--		1
Benzene	8.28	0.200	--	26.5	0.639	--		1
Cyclohexane	4.56	0.200	--	15.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	7.29	0.200	--	34.0	0.934	--		1
Heptane	21.4	0.200	--	87.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.18	0.500	--	8.93	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	276	0.200	--	1040	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	6.49	0.200	--	28.2	0.869	--		1
p/m-Xylene	23.4	0.400	--	102	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.308	0.200	--	1.31	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	7.79	0.200	--	33.8	0.869	--		1
4-Ethyltoluene	0.801	0.200	--	3.94	0.983	--		1
1,3,5-Trimethylbenzene	0.850	0.200	--	4.18	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-08
Client ID: IA-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:27
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.95	0.200	--	14.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.407	0.200	--	2.13	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	114		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-08
Client ID: IA-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:27
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 22:57
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	0.119	0.020	--	0.640	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	108		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	112		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-08 D
Client ID: IA-16
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:27
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 23:25
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Toluene	393	2.50	--	1480	9.42	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-09
Client ID: SS-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:21
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 07:33
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.622	0.200	--	3.08	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.8	5.00	--	27.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	61.5	1.00	--	146	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	17.9	0.500	--	44.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.641	0.500	--	1.94	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.302	0.200	--	1.20	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.49	0.500	--	4.39	1.47	--		1
cis-1,2-Dichloroethene	1.05	0.200	--	4.16	0.793	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-09
Client ID: SS-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:21
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	3.90	0.200	--	19.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.57	0.200	--	5.53	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.42	0.200	--	10.9	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.949	0.200	--	3.27	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	63.4	0.200	--	341	1.07	--		1
2,2,4-Trimethylpentane	0.980	0.200	--	4.58	0.934	--		1
Heptane	13.4	0.200	--	54.9	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	285	0.200	--	1070	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.29	0.200	--	14.3	0.869	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-09
Client ID: SS-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:21
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	11.8	0.400	--	51.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.991	0.200	--	4.22	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.37	0.200	--	14.6	0.869	--		1
4-Ethyltoluene	0.302	0.200	--	1.48	0.983	--		1
1,3,5-Trimethylbenzene	0.303	0.200	--	1.49	0.983	--		1
1,2,4-Trimethylbenzene	1.02	0.200	--	5.01	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	107		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-09 D
Client ID: SS-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:21
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/16/24 02:16
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Toluene	324	2.50	--	1220	9.42	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-10
Client ID: IA-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:22
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 23:37
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.529	0.200	--	2.62	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.550	0.200	--	1.22	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	80.7	5.00	--	152	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	665	1.00	--	1580	2.38	--	E	1
Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		1
Isopropanol	15.0	0.500	--	36.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.93	0.500	--	8.64	1.47	--		1
Ethyl Acetate	1.96	0.500	--	7.06	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-10
Client ID: IA-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:22
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.28	0.200	--	25.7	0.705	--		1
Benzene	7.06	0.200	--	22.6	0.639	--		1
Cyclohexane	3.94	0.200	--	13.6	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	5.18	0.200	--	24.2	0.934	--		1
Heptane	26.8	0.200	--	110	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.71	0.500	--	7.01	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	330	0.200	--	1240	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	8.01	0.200	--	34.8	0.869	--		1
p/m-Xylene	30.1	0.400	--	131	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.305	0.200	--	1.30	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	9.90	0.200	--	43.0	0.869	--		1
4-Ethyltoluene	0.723	0.200	--	3.55	0.983	--		1
1,3,5-Trimethylbenzene	0.817	0.200	--	4.02	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-10
Client ID: IA-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:22
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	2.75	0.200	--	13.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.400	0.200	--	2.10	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	112		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-10
Client ID: IA-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:22
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 23:37
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	0.147	0.020	--	0.790	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	105		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	110		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-10 D
Client ID: IA-17
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:22
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 23:59
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	872	12.5	--	2070	29.7	--		12.5
Toluene	547	2.50	--	2060	9.42	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	89		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-11 D
Client ID: SS-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:06
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 08:13
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Toluene	579	1.31	--	2180	4.94	--		6.533

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	102		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-11 D
Client ID: SS-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:06
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/24 08:13
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	1.31	--	ND	6.48	--		6.533
Chloromethane	ND	1.31	--	ND	2.71	--		6.533
Freon-114	ND	0.327	--	ND	2.29	--		6.533
Vinyl chloride	ND	0.131	--	ND	0.335	--		6.533
1,3-Butadiene	0.333	0.131	--	0.737	0.290	--		6.533
Bromomethane	ND	0.131	--	ND	0.509	--		6.533
Chloroethane	ND	0.653	--	ND	1.72	--		6.533
Ethanol	ND	32.7	--	ND	61.6	--		6.533
Vinyl bromide	ND	1.31	--	ND	5.73	--		6.533
Acetone	70.9	6.53	--	168	15.5	--		6.533
Trichlorofluoromethane	ND	0.327	--	ND	1.84	--		6.533
Isopropanol	ND	3.27	--	ND	8.04	--		6.533
1,1-Dichloroethene	0.947	0.131	--	3.75	0.519	--		6.533
Tertiary butyl Alcohol	10.4	3.27	--	31.5	9.91	--		6.533
Methylene chloride	ND	3.27	--	ND	11.4	--		6.533
3-Chloropropene	ND	1.31	--	ND	4.10	--		6.533
Carbon disulfide	ND	1.31	--	ND	4.08	--		6.533
Freon-113	1.91	0.327	--	14.6	2.51	--		6.533
trans-1,2-Dichloroethene	ND	0.131	--	ND	0.519	--		6.533
1,1-Dichloroethane	ND	0.131	--	ND	0.530	--		6.533
Methyl tert butyl ether	ND	1.31	--	ND	4.72	--		6.533
2-Butanone	4.47	3.27	--	13.2	9.64	--		6.533
cis-1,2-Dichloroethene	0.229	0.131	--	0.908	0.519	--		6.533

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-11 D
Client ID: SS-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:06
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Ethyl Acetate	ND	3.27	--	ND	11.8	--		6.533
Chloroform	0.803	0.131	--	3.92	0.640	--		6.533
Tetrahydrofuran	ND	3.27	--	ND	9.64	--		6.533
1,2-Dichloroethane	0.660	0.131	--	2.67	0.530	--		6.533
n-Hexane	63.2	1.31	--	223	4.62	--		6.533
1,1,1-Trichloroethane	0.392	0.131	--	2.14	0.715	--		6.533
Benzene	31.0	0.653	--	99.0	2.09	--		6.533
Carbon tetrachloride	ND	0.131	--	ND	0.824	--		6.533
Cyclohexane	14.3	1.31	--	49.2	4.51	--		6.533
1,2-Dichloropropane	ND	0.131	--	ND	0.605	--		6.533
Bromodichloromethane	ND	0.131	--	ND	0.878	--		6.533
1,4-Dioxane	ND	0.653	--	ND	2.35	--		6.533
Trichloroethene	19.6	0.131	--	105	0.704	--		6.533
2,2,4-Trimethylpentane	81.1	1.31	--	379	6.12	--		6.533
Heptane	54.7	1.31	--	224	5.37	--		6.533
cis-1,3-Dichloropropene	ND	0.131	--	ND	0.595	--		6.533
4-Methyl-2-pentanone	ND	3.27	--	ND	13.4	--		6.533
trans-1,3-Dichloropropene	ND	0.131	--	ND	0.595	--		6.533
1,1,2-Trichloroethane	ND	0.131	--	ND	0.715	--		6.533
2-Hexanone	ND	1.31	--	ND	5.37	--		6.533
Dibromochloromethane	ND	0.131	--	ND	1.12	--		6.533
1,2-Dibromoethane	ND	0.131	--	ND	1.01	--		6.533
Tetrachloroethene	1.10	0.131	--	7.46	0.888	--		6.533
Chlorobenzene	ND	0.653	--	ND	3.01	--		6.533
Ethylbenzene	7.77	0.131	--	33.7	0.569	--		6.533
p/m-Xylene	26.4	0.261	--	115	1.13	--		6.533

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-11 D
Client ID: SS-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:06
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromoform	ND	0.131	--	ND	1.35	--		6.533
Styrene	0.287	0.131	--	1.22	0.558	--		6.533
1,1,2,2-Tetrachloroethane	ND	0.131	--	ND	0.900	--		6.533
o-Xylene	6.71	0.131	--	29.1	0.569	--		6.533
4-Ethyltoluene	0.366	0.131	--	1.80	0.644	--		6.533
1,3,5-Trimethybenzene	0.385	0.131	--	1.89	0.644	--		6.533
1,2,4-Trimethylbenzene	1.38	0.131	--	6.78	0.644	--		6.533
Benzyl chloride	ND	0.653	--	ND	3.38	--		6.533
1,3-Dichlorobenzene	ND	0.131	--	ND	0.788	--		6.533
1,4-Dichlorobenzene	ND	0.131	--	ND	0.788	--		6.533
1,2-Dichlorobenzene	ND	0.131	--	ND	0.788	--		6.533
1,2,4-Trichlorobenzene	ND	0.327	--	ND	2.43	--		6.533
Naphthalene	1.12	0.327	--	5.87	1.71	--		6.533
Hexachlorobutadiene	ND	0.327	--	ND	3.49	--		6.533

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	100		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-12
Client ID: IA-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:07
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 00:17
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.592	0.200	--	2.93	0.989	--		1
Chloromethane	0.566	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	1.20	0.200	--	2.65	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	58.4	5.00	--	110	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	879	1.00	--	2090	2.38	--	E	1
Trichlorofluoromethane	0.287	0.200	--	1.61	1.12	--		1
Isopropanol	28.4	0.500	--	69.8	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.62	0.500	--	16.6	1.47	--		1
Ethyl Acetate	0.890	0.500	--	3.21	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-12
Client ID: IA-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:07
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.43	0.200	--	33.2	0.705	--		1
Benzene	13.5	0.200	--	43.1	0.639	--		1
Cyclohexane	6.43	0.200	--	22.1	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	8.36	0.200	--	39.0	0.934	--		1
Heptane	50.9	0.200	--	209	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.71	0.500	--	7.01	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	520	0.200	--	1960	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	12.9	0.200	--	56.0	0.869	--		1
p/m-Xylene	46.6	0.400	--	202	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.596	0.200	--	2.54	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	15.1	0.200	--	65.6	0.869	--		1
4-Ethyltoluene	1.07	0.200	--	5.26	0.983	--		1
1,3,5-Trimethylbenzene	1.12	0.200	--	5.51	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-12
Client ID: IA-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:07
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	3.82	0.200	--	18.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.698	0.200	--	3.66	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-12
Client ID: IA-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:07
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/24 00:17
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.209	0.020	--	1.12	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-12 D
Client ID: IA-18
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:07
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 10:01
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	872	15.3	--	2070	36.3	--		15.31
Toluene	1240	3.06	--	4670	11.5	--		15.31

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	115		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	118		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-13
Client ID: IA-DUP
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 18:00
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/24 00:59
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.460	0.200	--	0.950	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	1.00	0.200	--	2.21	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	50.9	5.00	--	95.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	802	1.00	--	1910	2.38	--	E	1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	25.6	0.500	--	62.9	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.80	0.500	--	14.2	1.47	--		1
Ethyl Acetate	0.763	0.500	--	2.75	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-13
Client ID: IA-DUP
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 18:00
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	8.71	0.200	--	30.7	0.705	--		1
Benzene	12.0	0.200	--	38.3	0.639	--		1
Cyclohexane	5.92	0.200	--	20.4	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	7.64	0.200	--	35.7	0.934	--		1
Heptane	45.7	0.200	--	187	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.32	0.500	--	5.41	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	468	0.200	--	1760	0.754	--	E	1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	11.6	0.200	--	50.4	0.869	--		1
p/m-Xylene	41.8	0.400	--	182	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.503	0.200	--	2.14	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	13.6	0.200	--	59.1	0.869	--		1
4-Ethyltoluene	0.910	0.200	--	4.47	0.983	--		1
1,3,5-Trimethylbenzene	0.962	0.200	--	4.73	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-13
Client ID: IA-DUP
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 18:00
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	3.29	0.200	--	16.2	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.617	0.200	--	3.24	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	114		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-13
Client ID: IA-DUP
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 18:00
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/24 00:59
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	0.162	0.020	--	0.871	0.107	--		1
Tetrachloroethene	0.030	0.020	--	0.203	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	107		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	114		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-13 D
Client ID: IA-DUP
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 18:00
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/16/24 00:33
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	1650	45.4	--	3920	108	--		45.37
Toluene	1920	9.07	--	7240	34.2	--		45.37

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-14
Client ID: AA-3
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:33
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/24 20:17
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.600	0.200	--	2.97	0.989	--		1
Chloromethane	0.584	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.27	5.00	--	9.93	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.96	1.00	--	9.41	2.38	--		1
Trichlorofluoromethane	0.277	0.200	--	1.56	1.12	--		1
Isopropanol	0.813	0.500	--	2.00	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-14
Client ID: AA-3
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:33
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.266	0.200	--	0.850	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.33	0.200	--	5.01	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-14
Client ID: AA-3
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:33
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2405593-14
Client ID: AA-3
Sample Location: WEST NYACK, NY

Date Collected: 01/31/24 15:33
Date Received: 02/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 20:17
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.038	0.020	--	0.258	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/14/24 18:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08-14 Batch: WG1885250-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/14/24 18:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08-14 Batch: WG1885250-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/14/24 18:58

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08-14 Batch: WG1885250-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 19:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10-14 Batch: WG1885253-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 19:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10-14 Batch: WG1885253-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
Lab Number: L2405593
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/14/24 19:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10-14 Batch: WG1885253-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
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Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/15/24 15:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-10,13 Batch: WG1885730-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/15/24 15:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-10,13 Batch: WG1885730-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/15/24 15:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-10,13 Batch: WG1885730-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 Batch: WG1885250-3								
Dichlorodifluoromethane	105		-		70-130	-		
Chloromethane	85		-		70-130	-		
Freon-114	104		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethanol	102		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	92		-		40-160	-		
Trichlorofluoromethane	113		-		70-130	-		
Isopropanol	79		-		40-160	-		
1,1-Dichloroethene	110		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	105		-		70-130	-		
trans-1,2-Dichloroethene	102		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 Batch: WG1885250-3								
Ethyl Acetate	106		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	98		-		70-130	-		
1,2-Dichloroethane	110		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	101		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	116		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	93		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	124		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 Batch: WG1885250-3								
Tetrachloroethene	96		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	126		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	83		-		70-130	-		
Naphthalene	82		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10-14 Batch: WG1885253-3								
Dichlorodifluoromethane	117		-		70-130	-		25
Chloromethane	98		-		70-130	-		25
Freon-114	115		-		70-130	-		25
Vinyl chloride	108		-		70-130	-		25
1,3-Butadiene	110		-		70-130	-		25
Bromomethane	113		-		70-130	-		25
Chloroethane	111		-		70-130	-		25
Ethanol	110		-		40-160	-		25
Vinyl bromide	109		-		70-130	-		25
Acetone	101		-		40-160	-		25
Trichlorofluoromethane	122		-		70-130	-		25
Isopropanol	86		-		40-160	-		25
1,1-Dichloroethene	122		-		70-130	-		25
Tertiary butyl Alcohol[1]	96		-		70-130	-		25
Methylene chloride	124		-		70-130	-		25
3-Chloropropene	114		-		70-130	-		25
Carbon disulfide	102		-		70-130	-		25
Freon-113	115		-		70-130	-		25
trans-1,2-Dichloroethene	113		-		70-130	-		25
1,1-Dichloroethane	117		-		70-130	-		25
Methyl tert butyl ether	103		-		70-130	-		25
2-Butanone	108		-		70-130	-		25
cis-1,2-Dichloroethene	111		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10-14 Batch: WG1885253-3								
Ethyl Acetate	116		-		70-130	-		25
Chloroform	119		-		70-130	-		25
Tetrahydrofuran	106		-		70-130	-		25
1,2-Dichloroethane	121		-		70-130	-		25
n-Hexane	114		-		70-130	-		25
1,1,1-Trichloroethane	121		-		70-130	-		25
Benzene	100		-		70-130	-		25
Carbon tetrachloride	130		-		70-130	-		25
Cyclohexane	110		-		70-130	-		25
1,2-Dichloropropane	109		-		70-130	-		25
Bromodichloromethane	**132**	Q	-		70-130	-		25
1,4-Dioxane	111		-		70-130	-		25
Trichloroethene	118		-		70-130	-		25
2,2,4-Trimethylpentane	111		-		70-130	-		25
cis-1,3-Dichloropropene	102		-		70-130	-		25
4-Methyl-2-pentanone	110		-		70-130	-		25
trans-1,3-Dichloropropene	104		-		70-130	-		25
1,1,2-Trichloroethane	119		-		70-130	-		25
Toluene	105		-		70-130	-		25
2-Hexanone	102		-		70-130	-		25
Dibromochloromethane	**142**	Q	-		70-130	-		25
1,2-Dibromoethane	114		-		70-130	-		25
Tetrachloroethene	107		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10-14 Batch: WG1885253-3								
Chlorobenzene	109		-		70-130	-		25
Ethylbenzene	109		-		70-130	-		25
p/m-Xylene	114		-		70-130	-		25
Bromoform	**149**	Q	-		70-130	-		25
Styrene	108		-		70-130	-		25
1,1,2,2-Tetrachloroethane	118		-		70-130	-		25
o-Xylene	115		-		70-130	-		25
4-Ethyltoluene	116		-		70-130	-		25
1,3,5-Trimethybenzene	113		-		70-130	-		25
1,2,4-Trimethylbenzene	113		-		70-130	-		25
Benzyl chloride	104		-		70-130	-		25
1,3-Dichlorobenzene	123		-		70-130	-		25
1,4-Dichlorobenzene	125		-		70-130	-		25
1,2-Dichlorobenzene	118		-		70-130	-		25
1,2,4-Trichlorobenzene	96		-		70-130	-		25
Naphthalene	91		-		70-130	-		25
Hexachlorobutadiene	110		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-10,13 Batch: WG1885730-3								
Dichlorodifluoromethane	112		-		70-130	-		
Chloromethane	107		-		70-130	-		
Freon-114	113		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	112		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	123		-		70-130	-		
Acetone	121		-		40-160	-		
Trichlorofluoromethane	113		-		70-130	-		
Isopropanol	111		-		40-160	-		
1,1-Dichloroethene	128		-		70-130	-		
Tertiary butyl Alcohol	118		-		70-130	-		
Methylene chloride	93		-		70-130	-		
3-Chloropropene	**142**	Q	-		70-130	-		
Carbon disulfide	103		-		70-130	-		
Freon-113	114		-		70-130	-		
trans-1,2-Dichloroethene	126		-		70-130	-		
1,1-Dichloroethane	121		-		70-130	-		
Methyl tert butyl ether	120		-		70-130	-		
2-Butanone	125		-		70-130	-		
cis-1,2-Dichloroethene	125		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-10,13 Batch: WG1885730-3								
Ethyl Acetate	124		-		70-130	-		
Chloroform	110		-		70-130	-		
Tetrahydrofuran	126		-		70-130	-		
1,2-Dichloroethane	**134**	Q	-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	124		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	119		-		70-130	-		
Cyclohexane	110		-		70-130	-		
1,2-Dichloropropane	112		-		70-130	-		
Bromodichloromethane	120		-		70-130	-		
1,4-Dioxane	117		-		70-130	-		
Trichloroethene	110		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	124		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	129		-		70-130	-		
trans-1,3-Dichloropropene	110		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	98		-		70-130	-		
2-Hexanone	118		-		70-130	-		
Dibromochloromethane	116		-		70-130	-		
1,2-Dibromoethane	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-10,13 Batch: WG1885730-3								
Tetrachloroethene	80		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	123		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	88		-		70-130	-		
1,2,4-Trichlorobenzene	78		-		70-130	-		
Naphthalene	98		-		70-130	-		
Hexachlorobutadiene	79		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 QC Batch ID: WG1885250-5 QC Sample: L2405593-13 Client ID: IA-DUP						
Dichlorodifluoromethane	0.490	0.501	ppbV	2		25
Chloromethane	0.460	0.474	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	1.00	1.08	ppbV	8		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	50.9	49.4	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	802E	846E	ppbV	5		25
Trichlorofluoromethane	0.245	0.262	ppbV	7		25
Isopropanol	25.6	26.7	ppbV	4		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	4.80	4.92	ppbV	2		25
Ethyl Acetate	0.763	0.779	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 QC Batch ID: WG1885250-5 QC Sample: L2405593-13 Client ID: IA-DUP						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	8.71	9.14	ppbV	5		25
Benzene	12.0	12.5	ppbV	4		25
Cyclohexane	5.92	6.24	ppbV	5		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	7.64	8.03	ppbV	5		25
Heptane	45.7	47.5	ppbV	4		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	1.32	1.25	ppbV	5		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	468E	491E	ppbV	5		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	11.6	11.8	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08-14 QC Batch ID: WG1885250-5 QC Sample: L2405593-13 Client ID: IA-DUP						
p/m-Xylene	41.8	43.1	ppbV	3		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.503	0.512	ppbV	2		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	13.6	13.9	ppbV	2		25
4-Ethyltoluene	0.910	0.865	ppbV	5		25
1,3,5-Trimethylbenzene	0.962	0.986	ppbV	2		25
1,2,4-Trimethylbenzene	3.29	3.37	ppbV	2		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	0.617	0.631	ppbV	2		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10-14 QC Batch ID: WG1885253-5 QC Sample: L2405593-13 Client ID: IA-DUP						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.074	0.074	ppbV	0		25
Trichloroethene	0.162	0.164	ppbV	1		25
Tetrachloroethene	0.030	0.029	ppbV	3		25

Project Name: FORMER CHROMALLOY

Project Number: 190273.2021

Lab Number: L2405593

Report Date: 03/13/24

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 (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2405593-01	SS-13	0585	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.1	1
L2405593-01	SS-13	1629	6.0L Can	01/25/24	449591	L2403455-09	Pass	-30.3	-6.6	-	-	-	-
L2405593-02	IA-13	01492	Flow 3	01/25/24	449591		-	-	-	Pass	10.0	10.4	4
L2405593-02	IA-13	927	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-6.2	-	-	-	-
L2405593-03	SS-14	0764	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.2	2
L2405593-03	SS-14	643	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-6.0	-	-	-	-
L2405593-04	IA-14	0680	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.1	1
L2405593-04	IA-14	633	6.0L Can	01/25/24	449591	L2403610-09	Pass	-30.3	-4.8	-	-	-	-
L2405593-05	SS-15	0162	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.3	3
L2405593-05	SS-15	1978	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-4.8	-	-	-	-
L2405593-06	IA-15	02178	Flow 3	01/25/24	449591		-	-	-	Pass	10.0	11.4	13
L2405593-06	IA-15	2921	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-4.6	-	-	-	-
L2405593-07	SS-16	01576	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.6	6
L2405593-07	SS-16	1831	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.2	-5.2	-	-	-	-
L2405593-08	IA-16	02211	Flow 5	01/25/24	449591		-	-	-	Pass	10.0	10.1	1

Project Name: FORMER CHROMALLOY

Lab Number: L2405593

Project Number: 190273.2021

Report Date: 03/13/24

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 (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2405593-08	IA-16	3604	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-4.3	-	-	-	-
L2405593-09	SS-17	01249	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.6	6
L2405593-09	SS-17	1855	6.0L Can	01/25/24	449591	L2403610-03	Pass	-30.3	-6.0	-	-	-	-
L2405593-10	IA-17	01294	Flow 4	01/25/24	449591		-	-	-	Pass	10.1	10.0	1
L2405593-10	IA-17	599	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-6.9	-	-	-	-
L2405593-11	SS-18	01550	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	4.6	74
L2405593-11	SS-18	1567	6.0L Can	01/25/24	449591	L2403610-09	Pass	-30.3	-20.3	-	-	-	-
L2405593-12	IA-18	01722	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	9.8	2
L2405593-12	IA-18	3616	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.3	-4.3	-	-	-	-
L2405593-13	IA-DUP	01646	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.6	6
L2405593-13	IA-DUP	3628	6.0L Can	01/25/24	449591	L2403610-09	Pass	-30.3	-5.8	-	-	-	-
L2405593-14	AA-3	01997	Flow 4	01/25/24	449591		-	-	-	Pass	10.0	10.9	9
L2405593-14	AA-3	3069	6.0L Can	01/25/24	449591	L2403610-08	Pass	-30.2	-4.6	-	-	-	-
L2405593-15	UNUSED CAN #979	0038	Flow 5	01/25/24	449591		-	-	-	Pass	10.0	9.9	1
L2405593-15	UNUSED CAN #979	979	6.0L Can	01/25/24	449591	L2403610-09	Pass	-30.3	-29.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/24 00:55
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/24 00:55
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403455
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403455-09
Client ID: CAN 1518 SHELF 41
Sample Location:

Date Collected: 01/22/24 09:00
Date Received: 01/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/24 20:27
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/24 20:27
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-03
Client ID: CAN 1713 SHELF 46
Sample Location:

Date Collected: 01/22/24 16:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/24 23:43
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/24 23:43
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-08
Client ID: CAN 1631 SHELF 51
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	80		60-140
chlorobenzene-d5	83		60-140

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

Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/24/24 00:22
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/24/24 00:22
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2403610
Report Date: 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2403610

Project Number: CANISTER QC BAT **Report Date:** 03/13/24

Air Canister Certification Results

Lab ID: L2403610-09
Client ID: CAN 574 SHELF 52
Sample Location:

Date Collected: 01/23/24 10:00
Date Received: 01/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	80		60-140

Project Name: FORMER CHROMALLOY
Project Number: 190273.2021

Lab Number: L2405593
Report Date: 03/13/24

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(*)
L2405593-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2405593-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2405593-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2405593-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2405593-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2405593-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2405593-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2405593-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2405593-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2405593-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2405593-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2405593-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2405593-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2405593-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2405593-15A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

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: Data Usability Report

Project Name:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	FORMER CHROMALLOY	**Lab Number:**	L2405593
Project Number:	190273.2021	**Report Date:**	03/13/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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.)

Report Format: Data Usability Report

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

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
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.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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, **LACHAT 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/2/24

ALPHA Job #: L2405593

Client Information

Client: TRC Companies
Address: 3 Corporate Dr. Suite 202
Clifton Park, NY, 12065
Phone: 518-348-1140
Fax:
Email: JKing@TRCcompanies.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Chromalloy
Project Location: West NYack, NY
Project #: 190273.2021
Project Manager: Jeff LaRock
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: NYSDEC EQuIS EDD
☐ EMAIL (standard pdf report)
☒ Additional Deliverables:
ASP-B
Report to: (if different than Project Manager)
JLarock@TRCcompanies.com
JKing@TRCcompanies.com

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: DO NOT analyze summa can # 979 / Reg # 0038 - unused, ordered as backup. TO-15M required for all May 2017 NYSDOH Matrix Analytes

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
05593-01	SS-13	1-31-24	0729	1580	-30.31	-7.24	SV	AF	6L	1629	0585	X	X				TO-15 SIM required for all May 2017 NYSDOH matrix analytes
02	IA-13		0730	1531	-30.29	-7.30	AA/I	AF		927	01492	X	X				
03	SS-14		0715	1516	-30.11	-6.57	SV	AF		643	0764	X	X				
04	IA-14		0717	1517	-30.28	-5.91	AA/I	AF		633	0680	X	X				
05	SS-15		0710	1512	-30.27	-5.41	SV	AF		1978	0162	X	X				
06	IA-15		0712	1513	-30.14	-5.57	AA/I	AF		2921	02178	X	X				
07	SS-16		0725	1526	-30.08	-6.35	SV	AF		1831	01576	X	X				
08	IA-16		0726	1527	-30.17	-5.39	AA/I	AF		3604	02211	X	X				
09	SS-17		0720	1521	-30.27	-6.33	SV	AF		1855	01249	X	X				
10	IA-17		0721	1522	-30.33	-7.81	AA/I	AF		599	01294	X	X				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Andrew Zorn	2-1-24 / 1100	TRC	2-1-24 11:00
	2-1-24 11:05		2/2/24 0050
	02102124-0500	AAL 2/2/24 0500	AAL 2/2/24 0620

2/2/24 0620

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/2/24

ALPHA Job #: L2405593

Client Information

Client: TRC Companies
Address: 3 Corporate Dr. Suite 207
Clifton Park, NY, 12065
Phone: 518-348-1190
Fax:
Email: JKing@TRCcompanies.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Chromalloy
Project Location: West Nyack, NY
Project #: 140273.2021
Project Manager: Jeff LaRock
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: NYS EQuIS EDD
☐ EMAIL (standard pdf report)
☒ Additional Deliverables: ASP-B
Report to: (if different than Project Manager)
JLarock@TRCcompanies.com
JKing@TRCcompanies.com

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: DO NOT analyze Summa can #979/Reg #0038.
-unused orders as backup
-TO-SIM 15 required for all May 2017 NYSDOH matrix analytes

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
11	SS-18	1-31-24	0700	1506	-30.01	-20.80	SV	AF	6L	1567	01550	X	X				TO-15 SIM required for all May 2017 NYSDOH matrix analytes
12	IA-18		0702	1507	-29.43	-5.14	AA/I	AF	6L	3616	01722	X	X				
13	IA-DUP		1200	1800	-30.00	-6.53	AA/I	AF	6L	3638	01146	X	X				
14	AA-3		0732	1533	-30.45	-6.85	AA/O	AF	6L	3664	01997	X	X				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Andrew Jun	2-1-24/1100	Jun Carey PACE	2-1-24 11:00
Jun Carey	2-1-24 11:00	AAL	2/2/24 0050
021021 24-0580			
AAL	2/2/24 0620		2/2/24 0620

ATTACHMENT 5

ALPHA
GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

March 18, 2024

Mr. Justin King
Project Manager
TRC Environmental Corporation
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: Chromalloy, West Nyack Site
Data Validation Report-Revised
January 2024 Air/Soil Vapor Samples

Dear Mr. King:

The revised data usability summary report (DUSR) and data validation review for the Chromalloy, West Nyack Site, January 2024, air/soil vapor sampling event are attached to this letter. The data are acceptable for Alpha Analytical Labs, SDG number: L2405593 with minor issues that are identified and discussed in the DUSR and validation summary. There are no data that were qualified as rejected (R) in the data pack. There were no changes to qualified data only the forms.

A list of common data validation acronyms is attached to this letter to assist your interpretation the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for providing us an opportunity with TRC Environmental Corporation.

Sincerely,
Alpha Geoscience

Donald Anne

Donald Anné
Senior Chemist

DCA/bms
Via email

z:\projects\2010\10621 - 10640\10627-west nyack\temp-review\west nyack-241re.ltr.docx

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
Alpha Analytical, SDG: No: L2405593

13 Soil Vapor/Air Samples and 1 Field Duplicate
Collected January 31, 2024

Prepared by: Donald Anné
March 18, 2024

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained 13 soil vapor/air samples and 1 field duplicate analyzed for TO-15 volatiles, and 8 air/soil vapor samples and 1 field duplicate analyzed for TO-15 SIM volatiles.

The overall performances of the analyses are acceptable. Alpha Analytical did fulfill the requirements of the analytical methods.

The data are acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile results for toluene in samples IA-13, IA-14, SS-15, IA-15, IA-16, SS-17, IA-17, IA-18, and IA-DUP were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for toluene marked "E" in the undiluted samples were qualified as estimated (J).

- The positive volatile results for acetone in samples IA-14, IA-15, IA-17, IA-18 and IA-DUP were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for acetone marked "E" in the undiluted samples were qualified as estimated (J).

- The positive volatile result for trichloroethene in sample SS-15 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for trichloroethene marked "E" in the undiluted sample was qualified as estimated (J).

- The positive SIM volatile result for carbon tetrachloride were qualified as estimated (J) for samples IA-13, IA-14, IA-15, IA-16, IA-17, IA-18, IA-DUP, and AA-3 because the %D for carbon tetrachloride was above the allowable maximum in the associated continuing calibration verification sample.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

- The positive volatile results for 4-methyl-2-pentanone, acetone, and toluene were qualified as estimated (J) for samples IA-18 and IA-DUP because the relative percent differences for 4-methyl-2-pentanone, acetone, and toluene were above the allowable maximum in the indoor air field duplicate pair IA-18/IA-DUP.

All data are considered usable with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-01D	Date Collected	: 01/31/24 15:30
Client ID	: SS-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:02
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.5
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738635	Instrument ID	: AIRLAB17
Sample Amount	: 100 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.588	0.500	--	2.91	2.47	--	
74-87-3	Chloromethane	ND	0.500	--	ND	1.03	--	U
76-14-2	Freon-114	ND	0.500	--	ND	3.49	--	U
75-01-4	Vinyl chloride	ND	0.500	--	ND	1.28	--	U
106-99-0	1,3-Butadiene	ND	0.500	--	ND	1.11	--	U
74-83-9	Bromomethane	ND	0.500	--	ND	1.94	--	U
75-00-3	Chloroethane	ND	0.500	--	ND	1.32	--	U
64-17-5	Ethanol	20.5	12.5	--	38.6	23.6	--	
593-60-2	Vinyl bromide	ND	0.500	--	ND	2.19	--	U
67-64-1	Acetone	51.4	2.50	--	122	5.94	--	
75-69-4	Trichlorofluoromethane	ND	0.500	--	ND	2.81	--	U
67-63-0	Isopropanol	18.7	1.25	--	46.0	3.07	--	
75-35-4	1,1-Dichloroethene	ND	0.500	--	ND	1.98	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--	U
75-09-2	Methylene chloride	ND	1.25	--	ND	4.34	--	U
107-05-1	3-Chloropropene	ND	0.500	--	ND	1.57	--	U
75-15-0	Carbon disulfide	ND	0.500	--	ND	1.56	--	U
76-13-1	Freon-113	ND	0.500	--	ND	3.83	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--	U
75-34-3	1,1-Dichloroethane	ND	0.500	--	ND	2.02	--	U
1634-04-4	Methyl tert butyl ether	ND	0.500	--	ND	1.80	--	U
78-93-3	2-Butanone	ND	1.25	--	ND	3.69	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--	U
141-78-6	Ethyl Acetate	ND	1.25	--	ND	4.50	--	U
67-66-3	Chloroform	ND	0.500	--	ND	2.44	--	U
109-99-9	Tetrahydrofuran	ND	1.25	--	ND	3.69	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-01D	Date Collected	: 01/31/24 15:30
Client ID	: SS-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:02
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.5
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738635	Instrument ID	: AIRLAB17
Sample Amount	: 100 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.500	--	ND	2.02	--	U
110-54-3	n-Hexane	1.04	0.500	--	3.67	1.76	--	
71-55-6	1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--	U
71-43-2	Benzene	2.19	0.500	--	7.00	1.60	--	
56-23-5	Carbon tetrachloride	ND	0.500	--	ND	3.15	--	U
110-82-7	Cyclohexane	0.718	0.500	--	2.47	1.72	--	
78-87-5	1,2-Dichloropropane	ND	0.500	--	ND	2.31	--	U
75-27-4	Bromodichloromethane	ND	0.500	--	ND	3.35	--	U
123-91-1	1,4-Dioxane	ND	0.500	--	ND	1.80	--	U
79-01-6	Trichloroethene	0.680	0.500	--	3.65	2.69	--	
540-84-1	2,2,4-Trimethylpentane	0.755	0.500	--	3.53	2.34	--	
142-82-5	Heptane	7.57	0.500	--	31.0	2.05	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--	U
108-88-3	Toluene	179	0.500	--	675	1.88	--	
591-78-6	2-Hexanone	ND	0.500	--	ND	2.05	--	U
124-48-1	Dibromochloromethane	ND	0.500	--	ND	4.26	--	U
106-93-4	1,2-Dibromoethane	ND	0.500	--	ND	3.84	--	U
127-18-4	Tetrachloroethene	ND	0.500	--	ND	3.39	--	U
108-90-7	Chlorobenzene	ND	0.500	--	ND	2.30	--	U
100-41-4	Ethylbenzene	1.71	0.500	--	7.43	2.17	--	
179601-23-1	p/m-Xylene	5.92	1.00	--	25.7	4.34	--	
75-25-2	Bromoform	ND	0.500	--	ND	5.17	--	U
100-42-5	Styrene	1.73	0.500	--	7.37	2.13	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-01D	Date Collected	: 01/31/24 15:30
Client ID	: SS-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:02
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 2.5
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738635	Instrument ID	: AIRLAB17
Sample Amount	: 100 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--	U
95-47-6	o-Xylene	1.85	0.500	--	8.04	2.17	--	
622-96-8	4-Ethyltoluene	ND	0.500	--	ND	2.46	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--	U
95-63-6	1,2,4-Trimethylbenzene	0.990	0.500	--	4.87	2.46	--	
100-44-7	Benzyl chloride	ND	0.500	--	ND	2.59	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--	U
91-20-3	Naphthalene	ND	0.500	--	ND	2.62	--	U
87-68-3	Hexachlorobutadiene	ND	0.500	--	ND	5.33	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-02	Date Collected	: 01/31/24 15:31
Client ID	: IA-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738623	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.598	0.200	--	2.96	0.989	--	
74-87-3	Chloromethane	0.620	0.200	--	1.28	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	0.461	0.200	--	1.02	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	115	5.00	--	217	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	412	1.00	--	979	2.38	--	
75-69-4	Trichlorofluoromethane	0.273	0.200	--	1.53	1.12	--	
67-63-0	Isopropanol	14.4	0.500	--	35.4	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	3.06	0.500	--	9.02	1.47	--	
141-78-6	Ethyl Acetate	1.10	0.500	--	3.96	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	6.55	0.200	--	23.1	0.705	--	
71-43-2	Benzene	6.04	0.200	--	19.3	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-02	Date Collected	: 01/31/24 15:31
Client ID	: IA-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738623	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	3.54	0.200	--	12.2	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	4.38	0.200	--	20.5	0.934	--		
142-82-5	Heptane	20.8	0.200	--	85.2	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	2.57	0.500	--	10.5	2.05	--		
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	304	0.200	--	1150	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	5.43	0.200	--	23.6	0.869	--		
179601-23-1	p/m-Xylene	20.5	0.400	--	89.0	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.349	0.200	--	1.49	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	6.70	0.200	--	29.1	0.869	--		
622-96-8	4-Ethyltoluene	0.560	0.200	--	2.75	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.728	0.200	--	3.58	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	2.47	0.200	--	12.1	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-02	Date Collected	: 01/31/24 15:31
Client ID	: IA-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738623	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.338	0.200	--	1.77	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-02D	Date Collected	: 01/31/24 15:31
Client ID	: IA-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 10:38
Sample Matrix	: AIR	Dilution Factor	: 8.333
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738644	Instrument ID	: AIRLAB17
Sample Amount	: 30.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	329	1.67	--	1240	6.29	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-03D	Date Collected	: 01/31/24 15:16
Client ID	: SS-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 4.167
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738636	Instrument ID	: AIRLAB17
Sample Amount	: 60.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	1.14	0.833	--	5.64	4.12	--	
74-87-3	Chloromethane	ND	0.833	--	ND	1.72	--	U
76-14-2	Freon-114	ND	0.833	--	ND	5.82	--	U
75-01-4	Vinyl chloride	ND	0.833	--	ND	2.13	--	U
106-99-0	1,3-Butadiene	ND	0.833	--	ND	1.84	--	U
74-83-9	Bromomethane	ND	0.833	--	ND	3.23	--	U
75-00-3	Chloroethane	ND	0.833	--	ND	2.20	--	U
64-17-5	Ethanol	ND	20.8	--	ND	39.2	--	U
593-60-2	Vinyl bromide	ND	0.833	--	ND	3.64	--	U
67-64-1	Acetone	71.5	4.17	--	170	9.91	--	
75-69-4	Trichlorofluoromethane	ND	0.833	--	ND	4.68	--	U
67-63-0	Isopropanol	15.8	2.08	--	38.8	5.11	--	
75-35-4	1,1-Dichloroethene	ND	0.833	--	ND	3.30	--	U
75-65-0	Tertiary butyl Alcohol	ND	2.08	--	ND	6.31	--	U
75-09-2	Methylene chloride	ND	2.08	--	ND	7.23	--	U
107-05-1	3-Chloropropene	ND	0.833	--	ND	2.61	--	U
75-15-0	Carbon disulfide	ND	0.833	--	ND	2.59	--	U
76-13-1	Freon-113	ND	0.833	--	ND	6.38	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--	U
75-34-3	1,1-Dichloroethane	ND	0.833	--	ND	3.37	--	U
1634-04-4	Methyl tert butyl ether	ND	0.833	--	ND	3.00	--	U
78-93-3	2-Butanone	ND	2.08	--	ND	6.13	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--	U
141-78-6	Ethyl Acetate	ND	2.08	--	ND	7.50	--	U
67-66-3	Chloroform	ND	0.833	--	ND	4.07	--	U
109-99-9	Tetrahydrofuran	ND	2.08	--	ND	6.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-03D	Date Collected	: 01/31/24 15:16
Client ID	: SS-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 4.167
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738636	Instrument ID	: AIRLAB17
Sample Amount	: 60.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.833	--	ND	3.37	--	U
110-54-3	n-Hexane	1.10	0.833	--	3.88	2.94	--	
71-55-6	1,1,1-Trichloroethane	ND	0.833	--	ND	4.54	--	U
71-43-2	Benzene	2.48	0.833	--	7.92	2.66	--	
56-23-5	Carbon tetrachloride	ND	0.833	--	ND	5.24	--	U
110-82-7	Cyclohexane	ND	0.833	--	ND	2.87	--	U
78-87-5	1,2-Dichloropropane	ND	0.833	--	ND	3.85	--	U
75-27-4	Bromodichloromethane	ND	0.833	--	ND	5.58	--	U
123-91-1	1,4-Dioxane	ND	0.833	--	ND	3.00	--	U
79-01-6	Trichloroethene	2.50	0.833	--	13.4	4.48	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.833	--	ND	3.89	--	U
142-82-5	Heptane	11.8	0.833	--	48.4	3.41	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.08	--	ND	8.52	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.833	--	ND	4.54	--	U
108-88-3	Toluene	246	0.833	--	927	3.14	--	
591-78-6	2-Hexanone	ND	0.833	--	ND	3.41	--	U
124-48-1	Dibromochloromethane	ND	0.833	--	ND	7.10	--	U
106-93-4	1,2-Dibromoethane	ND	0.833	--	ND	6.40	--	U
127-18-4	Tetrachloroethene	ND	0.833	--	ND	5.65	--	U
108-90-7	Chlorobenzene	ND	0.833	--	ND	3.84	--	U
100-41-4	Ethylbenzene	2.73	0.833	--	11.9	3.62	--	
179601-23-1	p/m-Xylene	9.78	1.67	--	42.5	7.25	--	
75-25-2	Bromoform	ND	0.833	--	ND	8.61	--	U
100-42-5	Styrene	1.16	0.833	--	4.94	3.55	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-03D	Date Collected	: 01/31/24 15:16
Client ID	: SS-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 05:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 4.167
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738636	Instrument ID	: AIRLAB17
Sample Amount	: 60.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.833	--	ND	5.72	--	U
95-47-6	o-Xylene	2.70	0.833	--	11.7	3.62	--	
622-96-8	4-Ethyltoluene	ND	0.833	--	ND	4.10	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.833	--	ND	4.10	--	U
95-63-6	1,2,4-Trimethylbenzene	0.892	0.833	--	4.39	4.10	--	
100-44-7	Benzyl chloride	ND	0.833	--	ND	4.31	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.833	--	ND	5.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.833	--	ND	5.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.833	--	ND	5.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.833	--	ND	6.18	--	U
91-20-3	Naphthalene	ND	0.833	--	ND	4.37	--	U
87-68-3	Hexachlorobutadiene	ND	0.833	--	ND	8.89	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-04	Date Collected	: 01/31/24 15:17
Client ID	: IA-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 21:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738624	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
75-71-8	Dichlorodifluoromethane	0.593	0.200	--	2.93	0.989	--		
74-87-3	Chloromethane	0.582	0.200	--	1.20	0.413	--		
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U	
106-99-0	1,3-Butadiene	0.522	0.200	--	1.15	0.442	--		
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U	
64-17-5	Ethanol	78.4	5.00	--	148	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	1030	1.00	--	2450	2.38	--	E	J
75-69-4	Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--		
67-63-0	Isopropanol	13.8	0.500	--	33.9	1.23	--		
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U	
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U	
78-93-3	2-Butanone	3.05	0.500	--	9.00	1.47	--		
141-78-6	Ethyl Acetate	1.34	0.500	--	4.83	1.80	--		
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	7.28	0.200	--	25.7	0.705	--		
71-43-2	Benzene	7.91	0.200	--	25.3	0.639	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-04	Date Collected	: 01/31/24 15:17
Client ID	: IA-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 21:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738624	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	3.89	0.200	--	13.4	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	4.90	0.200	--	22.9	0.934	--		
142-82-5	Heptane	33.9	0.200	--	139	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	1.80	0.500	--	7.38	2.05	--		
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	321	0.200	--	1210	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	10.3	0.200	--	44.7	0.869	--		
179601-23-1	p/m-Xylene	38.5	0.400	--	167	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.299	0.200	--	1.27	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	12.7	0.200	--	55.2	0.869	--		
622-96-8	4-Ethyltoluene	0.604	0.200	--	2.97	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.792	0.200	--	3.89	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	2.61	0.200	--	12.8	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-04	Date Collected	: 01/31/24 15:17
Client ID	: IA-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 21:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738624	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.358	0.200	--	1.88	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-04D	Date Collected	: 01/31/24 15:17
Client ID	: IA-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 11:15
Sample Matrix	: AIR	Dilution Factor	: 8.333
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738645	Instrument ID	: AIRLAB17
Sample Amount	: 30.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
67-64-1	Acetone	986	8.33	--	2340	19.8	--	
108-88-3	Toluene	369	1.67	--	1390	6.29	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-05D	Date Collected	: 01/31/24 15:12
Client ID	: SS-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 06:16
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.786
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738637	Instrument ID	: AIRLAB17
Sample Amount	: 140 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	1.29	0.357	--	6.38	1.77	--	
74-87-3	Chloromethane	ND	0.357	--	ND	0.737	--	U
76-14-2	Freon-114	ND	0.357	--	ND	2.50	--	U
75-01-4	Vinyl chloride	ND	0.357	--	ND	0.913	--	U
106-99-0	1,3-Butadiene	ND	0.357	--	ND	0.790	--	U
74-83-9	Bromomethane	ND	0.357	--	ND	1.39	--	U
75-00-3	Chloroethane	ND	0.357	--	ND	0.942	--	U
64-17-5	Ethanol	16.6	8.93	--	31.3	16.8	--	
593-60-2	Vinyl bromide	ND	0.357	--	ND	1.56	--	U
67-64-1	Acetone	52.4	1.79	--	124	4.25	--	
75-69-4	Trichlorofluoromethane	ND	0.357	--	ND	2.01	--	U
67-63-0	Isopropanol	17.2	0.893	--	42.3	2.20	--	
75-35-4	1,1-Dichloroethene	ND	0.357	--	ND	1.42	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.893	--	ND	2.71	--	U
75-09-2	Methylene chloride	ND	0.893	--	ND	3.10	--	U
107-05-1	3-Chloropropene	ND	0.357	--	ND	1.12	--	U
75-15-0	Carbon disulfide	ND	0.357	--	ND	1.11	--	U
76-13-1	Freon-113	ND	0.357	--	ND	2.74	--	U
156-60-5	trans-1,2-Dichloroethene	28.8	0.357	--	114	1.42	--	
75-34-3	1,1-Dichloroethane	ND	0.357	--	ND	1.44	--	U
1634-04-4	Methyl tert butyl ether	ND	0.357	--	ND	1.29	--	U
78-93-3	2-Butanone	1.13	0.893	--	3.33	2.63	--	
156-59-2	cis-1,2-Dichloroethene	170	0.357	--	674	1.42	--	
141-78-6	Ethyl Acetate	ND	0.893	--	ND	3.22	--	U
67-66-3	Chloroform	70.0	0.357	--	342	1.74	--	
109-99-9	Tetrahydrofuran	ND	0.893	--	ND	2.63	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-05D	Date Collected	: 01/31/24 15:12
Client ID	: SS-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 06:16
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.786
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738637	Instrument ID	: AIRLAB17
Sample Amount	: 140 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
107-06-2	1,2-Dichloroethane	ND	0.357	--	ND	1.44	--	U	
110-54-3	n-Hexane	1.01	0.357	--	3.56	1.26	--		
71-55-6	1,1,1-Trichloroethane	0.830	0.357	--	4.53	1.95	--		
71-43-2	Benzene	2.14	0.357	--	6.84	1.14	--		
56-23-5	Carbon tetrachloride	ND	0.357	--	ND	2.25	--	U	
110-82-7	Cyclohexane	0.754	0.357	--	2.60	1.23	--		
78-87-5	1,2-Dichloropropane	ND	0.357	--	ND	1.65	--	U	
75-27-4	Bromodichloromethane	ND	0.357	--	ND	2.39	--	U	
123-91-1	1,4-Dioxane	ND	0.357	--	ND	1.29	--	U	
79-01-6	Trichloroethene	890	0.357	--	4780	1.92	--	E	J
540-84-1	2,2,4-Trimethylpentane	ND	0.357	--	ND	1.67	--	U	
142-82-5	Heptane	12.2	0.357	--	50.0	1.46	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.357	--	ND	1.62	--	U	
108-10-1	4-Methyl-2-pentanone	ND	0.893	--	ND	3.66	--	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.357	--	ND	1.62	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.357	--	ND	1.95	--	U	
108-88-3	Toluene	336	0.357	--	1270	1.35	--	E	J
591-78-6	2-Hexanone	ND	0.357	--	ND	1.46	--	U	
124-48-1	Dibromochloromethane	ND	0.357	--	ND	3.04	--	U	
106-93-4	1,2-Dibromoethane	ND	0.357	--	ND	2.74	--	U	
127-18-4	Tetrachloroethene	0.684	0.357	--	4.64	2.42	--		
108-90-7	Chlorobenzene	ND	0.357	--	ND	1.64	--	U	
100-41-4	Ethylbenzene	2.51	0.357	--	10.9	1.55	--		
179601-23-1	p/m-Xylene	9.19	0.714	--	39.9	3.10	--		
75-25-2	Bromoform	ND	0.357	--	ND	3.69	--	U	
100-42-5	Styrene	0.873	0.357	--	3.72	1.52	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-05D	Date Collected	: 01/31/24 15:12
Client ID	: SS-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 06:16
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.786
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738637	Instrument ID	: AIRLAB17
Sample Amount	: 140 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.357	--	ND	2.45	--	U
95-47-6	o-Xylene	2.52	0.357	--	10.9	1.55	--	
622-96-8	4-Ethyltoluene	ND	0.357	--	ND	1.76	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.357	--	ND	1.76	--	U
95-63-6	1,2,4-Trimethylbenzene	0.727	0.357	--	3.57	1.76	--	
100-44-7	Benzyl chloride	ND	0.357	--	ND	1.85	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.357	--	ND	2.15	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.357	--	ND	2.15	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.357	--	ND	2.15	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.357	--	ND	2.65	--	U
91-20-3	Naphthalene	ND	0.357	--	ND	1.87	--	U
87-68-3	Hexachlorobutadiene	ND	0.357	--	ND	3.81	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-05D	Date Collected	: 01/31/24 15:12
Client ID	: SS-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 01:07
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431922	Instrument ID	: AIRPIANO4
Sample Amount	: 20.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	1030	2.50	--	5540	13.4	--	
108-88-3	Toluene	344	2.50	--	1300	9.42	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-06	Date Collected	: 01/31/24 15:13
Client ID	: IA-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738625	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
75-71-8	Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--		
74-87-3	Chloromethane	0.492	0.200	--	1.02	0.413	--		
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U	
106-99-0	1,3-Butadiene	0.512	0.200	--	1.13	0.442	--		
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U	
64-17-5	Ethanol	63.5	5.00	--	120	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	811	1.00	--	1930	2.38	--	E	J
75-69-4	Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		
67-63-0	Isopropanol	27.0	0.500	--	66.4	1.23	--		
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U	
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U	
78-93-3	2-Butanone	5.12	0.500	--	15.1	1.47	--		
141-78-6	Ethyl Acetate	0.848	0.500	--	3.06	1.80	--		
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	6.82	0.200	--	24.0	0.705	--		
71-43-2	Benzene	6.72	0.200	--	21.5	0.639	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-06	Date Collected	: 01/31/24 15:13
Client ID	: IA-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738625	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	5.18	0.200	--	17.8	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	4.40	0.200	--	20.6	0.934	--		
142-82-5	Heptane	45.4	0.200	--	186	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	1.98	0.500	--	8.11	2.05	--		
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	447	0.200	--	1680	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	13.3	0.200	--	57.8	0.869	--		
179601-23-1	p/m-Xylene	49.8	0.400	--	216	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.354	0.200	--	1.51	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	15.6	0.200	--	67.8	0.869	--		
622-96-8	4-Ethyltoluene	0.675	0.200	--	3.32	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.793	0.200	--	3.90	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	2.57	0.200	--	12.6	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-06	Date Collected	: 01/31/24 15:13
Client ID	: IA-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738625	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.353	0.200	--	1.85	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-06D	Date Collected	: 01/31/24 15:13
Client ID	: IA-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 22:51
Sample Matrix	: AIR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431918	Instrument ID	: AIRPIANO4
Sample Amount	: 20.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
67-64-1	Acetone	1160	12.5	--	2760	29.7	--	
108-88-3	Toluene	1070	2.50	--	4030	9.42	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-07D	Date Collected	: 01/31/24 15:26
Client ID	: SS-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 01:42
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431923	Instrument ID	: AIRPIANO4
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.602	0.250	--	2.98	1.24	--	
74-87-3	Chloromethane	ND	0.250	--	ND	0.516	--	U
76-14-2	Freon-114	ND	0.250	--	ND	1.75	--	U
75-01-4	Vinyl chloride	ND	0.250	--	ND	0.639	--	U
106-99-0	1,3-Butadiene	ND	0.250	--	ND	0.553	--	U
74-83-9	Bromomethane	ND	0.250	--	ND	0.971	--	U
75-00-3	Chloroethane	ND	0.250	--	ND	0.660	--	U
64-17-5	Ethanol	14.1	6.25	--	26.6	11.8	--	
593-60-2	Vinyl bromide	ND	0.250	--	ND	1.09	--	U
67-64-1	Acetone	52.5	1.25	--	125	2.97	--	
75-69-4	Trichlorofluoromethane	0.271	0.250	--	1.52	1.40	--	
67-63-0	Isopropanol	20.9	0.625	--	51.4	1.54	--	
75-35-4	1,1-Dichloroethene	ND	0.250	--	ND	0.991	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.625	--	ND	1.89	--	U
75-09-2	Methylene chloride	ND	0.625	--	ND	2.17	--	U
107-05-1	3-Chloropropene	ND	0.250	--	ND	0.783	--	U
75-15-0	Carbon disulfide	ND	0.250	--	ND	0.779	--	U
76-13-1	Freon-113	ND	0.250	--	ND	1.92	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--	U
75-34-3	1,1-Dichloroethane	ND	0.250	--	ND	1.01	--	U
1634-04-4	Methyl tert butyl ether	ND	0.250	--	ND	0.901	--	U
78-93-3	2-Butanone	1.70	0.625	--	5.01	1.84	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--	U
141-78-6	Ethyl Acetate	ND	0.625	--	ND	2.25	--	U
67-66-3	Chloroform	ND	0.250	--	ND	1.22	--	U
109-99-9	Tetrahydrofuran	ND	0.625	--	ND	1.84	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-07D	Date Collected	: 01/31/24 15:26
Client ID	: SS-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 01:42
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431923	Instrument ID	: AIRPIANO4
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.250	--	ND	1.01	--	U
110-54-3	n-Hexane	1.00	0.250	--	3.52	0.881	--	
71-55-6	1,1,1-Trichloroethane	ND	0.250	--	ND	1.36	--	U
71-43-2	Benzene	2.11	0.250	--	6.74	0.799	--	
56-23-5	Carbon tetrachloride	ND	0.250	--	ND	1.57	--	U
110-82-7	Cyclohexane	0.614	0.250	--	2.11	0.861	--	
78-87-5	1,2-Dichloropropane	ND	0.250	--	ND	1.16	--	U
75-27-4	Bromodichloromethane	ND	0.250	--	ND	1.67	--	U
123-91-1	1,4-Dioxane	ND	0.250	--	ND	0.901	--	U
79-01-6	Trichloroethene	5.99	0.250	--	32.2	1.34	--	
540-84-1	2,2,4-Trimethylpentane	1.08	0.250	--	5.04	1.17	--	
142-82-5	Heptane	4.94	0.250	--	20.2	1.02	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.625	--	ND	2.56	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--	U
108-88-3	Toluene	94.8	0.250	--	357	0.942	--	
591-78-6	2-Hexanone	ND	0.250	--	ND	1.02	--	U
124-48-1	Dibromochloromethane	ND	0.250	--	ND	2.13	--	U
106-93-4	1,2-Dibromoethane	ND	0.250	--	ND	1.92	--	U
127-18-4	Tetrachloroethene	0.372	0.250	--	2.52	1.70	--	
108-90-7	Chlorobenzene	ND	0.250	--	ND	1.15	--	U
100-41-4	Ethylbenzene	1.37	0.250	--	5.95	1.09	--	
179601-23-1	p/m-Xylene	4.78	0.500	--	20.8	2.17	--	
75-25-2	Bromoform	ND	0.250	--	ND	2.58	--	U
100-42-5	Styrene	1.28	0.250	--	5.45	1.06	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-07D	Date Collected	: 01/31/24 15:26
Client ID	: SS-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 01:42
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1.25
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431923	Instrument ID	: AIRPIANO4
Sample Amount	: 200 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--	U
95-47-6	o-Xylene	1.50	0.250	--	6.52	1.09	--	
622-96-8	4-Ethyltoluene	ND	0.250	--	ND	1.23	--	U
108-67-8	1,3,5-Trimethylbenzene	0.264	0.250	--	1.30	1.23	--	
95-63-6	1,2,4-Trimethylbenzene	0.872	0.250	--	4.29	1.23	--	
100-44-7	Benzyl chloride	ND	0.250	--	ND	1.29	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.250	--	ND	1.50	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--	U
91-20-3	Naphthalene	ND	0.250	--	ND	1.31	--	U
87-68-3	Hexachlorobutadiene	ND	0.250	--	ND	2.67	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-08	Date Collected	: 01/31/24 15:27
Client ID	: IA-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738626	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--	
74-87-3	Chloromethane	0.458	0.200	--	0.946	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	0.610	0.200	--	1.35	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	104	5.00	--	196	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	483	1.00	--	1150	2.38	--	
75-69-4	Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--	
67-63-0	Isopropanol	11.6	0.500	--	28.5	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.89	0.500	--	8.52	1.47	--	
141-78-6	Ethyl Acetate	1.31	0.500	--	4.72	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	9.12	0.200	--	32.1	0.705	--	
71-43-2	Benzene	8.28	0.200	--	26.5	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-08	Date Collected	: 01/31/24 15:27
Client ID	: IA-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738626	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	4.56	0.200	--	15.7	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	7.29	0.200	--	34.0	0.934	--		
142-82-5	Heptane	21.4	0.200	--	87.7	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	2.18	0.500	--	8.93	2.05	--		
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	276	0.200	--	1040	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	6.49	0.200	--	28.2	0.869	--		
179601-23-1	p/m-Xylene	23.4	0.400	--	102	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.308	0.200	--	1.31	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	7.79	0.200	--	33.8	0.869	--		
622-96-8	4-Ethyltoluene	0.801	0.200	--	3.94	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.850	0.200	--	4.18	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	2.95	0.200	--	14.5	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-08	Date Collected	: 01/31/24 15:27
Client ID	: IA-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738626	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.407	0.200	--	2.13	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-08D	Date Collected	: 01/31/24 15:27
Client ID	: IA-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 23:25
Sample Matrix	: AIR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431919	Instrument ID	: AIRPIANO4
Sample Amount	: 20.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	393	2.50	--	1480	9.42	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-09	Date Collected	: 01/31/24 15:21
Client ID	: SS-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 07:33
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738639	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.622	0.200	--	3.08	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	14.8	5.00	--	27.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	61.5	1.00	--	146	2.38	--	
75-69-4	Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--	
67-63-0	Isopropanol	17.9	0.500	--	44.0	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	0.641	0.500	--	1.94	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.302	0.200	--	1.20	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.49	0.500	--	4.39	1.47	--	
156-59-2	cis-1,2-Dichloroethene	1.05	0.200	--	4.16	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	3.90	0.200	--	19.0	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-09	Date Collected	: 01/31/24 15:21
Client ID	: SS-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 07:33
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738639	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	1.57	0.200	--	5.53	0.705	--		
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
71-43-2	Benzene	3.42	0.200	--	10.9	0.639	--		
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U	
110-82-7	Cyclohexane	0.949	0.200	--	3.27	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
79-01-6	Trichloroethene	63.4	0.200	--	341	1.07	--		
540-84-1	2,2,4-Trimethylpentane	0.980	0.200	--	4.58	0.934	--		
142-82-5	Heptane	13.4	0.200	--	54.9	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	285	0.200	--	1070	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	3.29	0.200	--	14.3	0.869	--		
179601-23-1	p/m-Xylene	11.8	0.400	--	51.3	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.991	0.200	--	4.22	0.852	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-09	Date Collected	: 01/31/24 15:21
Client ID	: SS-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 07:33
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738639	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	3.37	0.200	--	14.6	0.869	--	
622-96-8	4-Ethyltoluene	0.302	0.200	--	1.48	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.303	0.200	--	1.49	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.02	0.200	--	5.01	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-09D	Date Collected	: 01/31/24 15:21
Client ID	: SS-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 02:16
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431924	Instrument ID	: AIRPIANO4
Sample Amount	: 20.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	324	2.50	--	1220	9.42	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-10	Date Collected	: 01/31/24 15:22
Client ID	: IA-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 23:37
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738627	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
75-71-8	Dichlorodifluoromethane	0.529	0.200	--	2.62	0.989	--		
74-87-3	Chloromethane	0.490	0.200	--	1.01	0.413	--		
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U	
106-99-0	1,3-Butadiene	0.550	0.200	--	1.22	0.442	--		
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U	
64-17-5	Ethanol	80.7	5.00	--	152	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	665	1.00	--	1580	2.38	--	E	J
75-69-4	Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		
67-63-0	Isopropanol	15.0	0.500	--	36.9	1.23	--		
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U	
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U	
78-93-3	2-Butanone	2.93	0.500	--	8.64	1.47	--		
141-78-6	Ethyl Acetate	1.96	0.500	--	7.06	1.80	--		
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	7.28	0.200	--	25.7	0.705	--		
71-43-2	Benzene	7.06	0.200	--	22.6	0.639	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-10	Date Collected	: 01/31/24 15:22
Client ID	: IA-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 23:37
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738627	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	3.94	0.200	--	13.6	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	5.18	0.200	--	24.2	0.934	--		
142-82-5	Heptane	26.8	0.200	--	110	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	1.71	0.500	--	7.01	2.05	--		
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	330	0.200	--	1240	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	8.01	0.200	--	34.8	0.869	--		
179601-23-1	p/m-Xylene	30.1	0.400	--	131	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.305	0.200	--	1.30	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	9.90	0.200	--	43.0	0.869	--		
622-96-8	4-Ethyltoluene	0.723	0.200	--	3.55	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.817	0.200	--	4.02	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	2.75	0.200	--	13.5	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-10	Date Collected	: 01/31/24 15:22
Client ID	: IA-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 23:37
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738627	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.400	0.200	--	2.10	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-10D	Date Collected	: 01/31/24 15:22
Client ID	: IA-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 23:59
Sample Matrix	: AIR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431920	Instrument ID	: AIRPIANO4
Sample Amount	: 20.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
67-64-1	Acetone	872	12.5	--	2070	29.7	--	
108-88-3	Toluene	547	2.50	--	2060	9.42	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-11D	Date Collected	: 01/31/24 15:06
Client ID	: SS-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 08:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 6.533
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R1738640	Instrument ID	: AIRLAB17
Sample Amount	: 38.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
108-88-3	Toluene	579	1.31	--	2180	4.94	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-12	Date Collected	: 01/31/24 15:07
Client ID	: IA-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738628	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
75-71-8	Dichlorodifluoromethane	0.592	0.200	--	2.93	0.989	--		
74-87-3	Chloromethane	0.566	0.200	--	1.17	0.413	--		
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U	
106-99-0	1,3-Butadiene	1.20	0.200	--	2.65	0.442	--		
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U	
64-17-5	Ethanol	58.4	5.00	--	110	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	879	1.00	--	2090	2.38	--	E	J
75-69-4	Trichlorofluoromethane	0.287	0.200	--	1.61	1.12	--		
67-63-0	Isopropanol	28.4	0.500	--	69.8	1.23	--		
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U	
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U	
78-93-3	2-Butanone	5.62	0.500	--	16.6	1.47	--		
141-78-6	Ethyl Acetate	0.890	0.500	--	3.21	1.80	--		
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	9.43	0.200	--	33.2	0.705	--		
71-43-2	Benzene	13.5	0.200	--	43.1	0.639	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-12	Date Collected	: 01/31/24 15:07
Client ID	: IA-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738628	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	6.43	0.200	--	22.1	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	8.36	0.200	--	39.0	0.934	--		
142-82-5	Heptane	50.9	0.200	--	209	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	1.71	0.500	--	7.01	2.05	--		J
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	520	0.200	--	1960	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	12.9	0.200	--	56.0	0.869	--		
179601-23-1	p/m-Xylene	46.6	0.400	--	202	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.596	0.200	--	2.54	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	15.1	0.200	--	65.6	0.869	--		
622-96-8	4-Ethyltoluene	1.07	0.200	--	5.26	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	1.12	0.200	--	5.51	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	3.82	0.200	--	18.8	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-12	Date Collected	: 01/31/24 15:07
Client ID	: IA-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738628	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.698	0.200	--	3.66	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-12D	Date Collected	: 01/31/24 15:07
Client ID	: IA-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 10:01
Sample Matrix	: AIR	Dilution Factor	: 15.31
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738643	Instrument ID	: AIRLAB17
Sample Amount	: 16.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
67-64-1	Acetone	872	15.3	--	2070	36.3	--	J
108-88-3	Toluene	1240	3.06	--	4670	11.5	--	J

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-13	Date Collected	: 01/31/24 18:00
Client ID	: IA-DUP	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738629	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
75-71-8	Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		
74-87-3	Chloromethane	0.460	0.200	--	0.950	0.413	--		
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U	
106-99-0	1,3-Butadiene	1.00	0.200	--	2.21	0.442	--		
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U	
64-17-5	Ethanol	50.9	5.00	--	95.9	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	802	1.00	--	1910	2.38	--	E	J
75-69-4	Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		
67-63-0	Isopropanol	25.6	0.500	--	62.9	1.23	--		
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U	
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U	
78-93-3	2-Butanone	4.80	0.500	--	14.2	1.47	--		
141-78-6	Ethyl Acetate	0.763	0.500	--	2.75	1.80	--		
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U	
110-54-3	n-Hexane	8.71	0.200	--	30.7	0.705	--		
71-43-2	Benzene	12.0	0.200	--	38.3	0.639	--		

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-13	Date Collected	: 01/31/24 18:00
Client ID	: IA-DUP	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738629	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3				
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	
110-82-7	Cyclohexane	5.92	0.200	--	20.4	0.688	--		
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U	
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U	
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U	
540-84-1	2,2,4-Trimethylpentane	7.64	0.200	--	35.7	0.934	--		
142-82-5	Heptane	45.7	0.200	--	187	0.820	--		
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
108-10-1	4-Methyl-2-pentanone	1.32	0.500	--	5.41	2.05	--		J
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U	
108-88-3	Toluene	468	0.200	--	1760	0.754	--	E	J
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U	
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	11.6	0.200	--	50.4	0.869	--		
179601-23-1	p/m-Xylene	41.8	0.400	--	182	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	0.503	0.200	--	2.14	0.852	--		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U	
95-47-6	o-Xylene	13.6	0.200	--	59.1	0.869	--		
622-96-8	4-Ethyltoluene	0.910	0.200	--	4.47	0.983	--		
108-67-8	1,3,5-Trimethylbenzene	0.962	0.200	--	4.73	0.983	--		
95-63-6	1,2,4-Trimethylbenzene	3.29	0.200	--	16.2	0.983	--		
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U	
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-13	Date Collected	: 01/31/24 18:00
Client ID	: IA-DUP	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738629	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	0.617	0.200	--	3.24	1.05	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-13D	Date Collected	: 01/31/24 18:00
Client ID	: IA-DUP	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/16/24 00:33
Sample Matrix	: AIR	Dilution Factor	: 45.37
Analytical Method	: 48,TO-15	Analyst	: JMB
Lab File ID	: R431921	Instrument ID	: AIRPIANO4
Sample Amount	: 5.51 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
67-64-1	Acetone	1650	45.4	--	3920	108	--	J
108-88-3	Toluene	1920	9.07	--	7240	34.2	--	J

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-14	Date Collected	: 01/31/24 15:33
Client ID	: AA-3	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738622	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.600	0.200	--	2.97	0.989	--	
74-87-3	Chloromethane	0.584	0.200	--	1.21	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	5.27	5.00	--	9.93	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.96	1.00	--	9.41	2.38	--	
75-69-4	Trichlorofluoromethane	0.277	0.200	--	1.56	1.12	--	
67-63-0	Isopropanol	0.813	0.500	--	2.00	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.266	0.200	--	0.850	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-14	Date Collected	: 01/31/24 15:33
Client ID	: AA-3	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738622	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.33	0.200	--	5.01	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-14	Date Collected	: 01/31/24 15:33
Client ID	: AA-3	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: KJD
Lab File ID	: R1738622	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
91-20-3	Naphthalene	ND	0.200	--	ND	1.05	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-02	Date Collected	: 01/31/24 15:31
Client ID	: IA-13	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738623_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--	J
79-01-6	Trichloroethene	0.174	0.020	--	0.935	0.107	--	
127-18-4	Tetrachloroethene	0.022	0.020	--	0.149	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-04	Date Collected	: 01/31/24 15:17
Client ID	: IA-14	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 21:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738624_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	J
79-01-6	Trichloroethene	0.137	0.020	--	0.736	0.107	--	
127-18-4	Tetrachloroethene	0.032	0.020	--	0.217	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-06	Date Collected	: 01/31/24 15:13
Client ID	: IA-15	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738625_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--	J
79-01-6	Trichloroethene	0.176	0.020	--	0.946	0.107	--	
127-18-4	Tetrachloroethene	0.024	0.020	--	0.163	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-08	Date Collected	: 01/31/24 15:27
Client ID	: IA-16	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 22:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738626_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--	J
79-01-6	Trichloroethene	0.119	0.020	--	0.640	0.107	--	
127-18-4	Tetrachloroethene	0.024	0.020	--	0.163	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-10	Date Collected	: 01/31/24 15:22
Client ID	: IA-17	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 23:37
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738627_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--	J
79-01-6	Trichloroethene	0.147	0.020	--	0.790	0.107	--	
127-18-4	Tetrachloroethene	0.025	0.020	--	0.170	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-11D	Date Collected	: 01/31/24 15:06
Client ID	: SS-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 08:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 6.533
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738640_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 38.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	1.31	--	ND	6.48	--	U
74-87-3	Chloromethane	ND	1.31	--	ND	2.71	--	U
76-14-2	Freon-114	ND	0.327	--	ND	2.29	--	U
75-01-4	Vinyl chloride	ND	0.131	--	ND	0.335	--	U
106-99-0	1,3-Butadiene	0.333	0.131	--	0.737	0.290	--	
74-83-9	Bromomethane	ND	0.131	--	ND	0.509	--	U
75-00-3	Chloroethane	ND	0.653	--	ND	1.72	--	U
64-17-5	Ethanol	ND	32.7	--	ND	61.6	--	U
593-60-2	Vinyl bromide	ND	1.31	--	ND	5.73	--	U
67-64-1	Acetone	70.9	6.53	--	168	15.5	--	
75-69-4	Trichlorofluoromethane	ND	0.327	--	ND	1.84	--	U
67-63-0	Isopropanol	ND	3.27	--	ND	8.04	--	U
75-35-4	1,1-Dichloroethene	0.947	0.131	--	3.75	0.519	--	
75-65-0	Tertiary butyl Alcohol	10.4	3.27	--	31.5	9.91	--	
75-09-2	Methylene chloride	ND	3.27	--	ND	11.4	--	U
107-05-1	3-Chloropropene	ND	1.31	--	ND	4.10	--	U
75-15-0	Carbon disulfide	ND	1.31	--	ND	4.08	--	U
76-13-1	Freon-113	1.91	0.327	--	14.6	2.51	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.131	--	ND	0.519	--	U
75-34-3	1,1-Dichloroethane	ND	0.131	--	ND	0.530	--	U
1634-04-4	Methyl tert butyl ether	ND	1.31	--	ND	4.72	--	U
78-93-3	2-Butanone	4.47	3.27	--	13.2	9.64	--	
156-59-2	cis-1,2-Dichloroethene	0.229	0.131	--	0.908	0.519	--	
141-78-6	Ethyl Acetate	ND	3.27	--	ND	11.8	--	U
67-66-3	Chloroform	0.803	0.131	--	3.92	0.640	--	
109-99-9	Tetrahydrofuran	ND	3.27	--	ND	9.64	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-11D	Date Collected	: 01/31/24 15:06
Client ID	: SS-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 08:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 6.533
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738640_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 38.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.660	0.131	--	2.67	0.530	--	
110-54-3	n-Hexane	63.2	1.31	--	223	4.62	--	
71-55-6	1,1,1-Trichloroethane	0.392	0.131	--	2.14	0.715	--	
71-43-2	Benzene	31.0	0.653	--	99.0	2.09	--	
56-23-5	Carbon tetrachloride	ND	0.131	--	ND	0.824	--	U
110-82-7	Cyclohexane	14.3	1.31	--	49.2	4.51	--	
78-87-5	1,2-Dichloropropane	ND	0.131	--	ND	0.605	--	U
75-27-4	Bromodichloromethane	ND	0.131	--	ND	0.878	--	U
123-91-1	1,4-Dioxane	ND	0.653	--	ND	2.35	--	U
79-01-6	Trichloroethene	19.6	0.131	--	105	0.704	--	
540-84-1	2,2,4-Trimethylpentane	81.1	1.31	--	379	6.12	--	
142-82-5	Heptane	54.7	1.31	--	224	5.37	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.131	--	ND	0.595	--	U
108-10-1	4-Methyl-2-pentanone	ND	3.27	--	ND	13.4	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.131	--	ND	0.595	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.131	--	ND	0.715	--	U
591-78-6	2-Hexanone	ND	1.31	--	ND	5.37	--	U
124-48-1	Dibromochloromethane	ND	0.131	--	ND	1.12	--	U
106-93-4	1,2-Dibromoethane	ND	0.131	--	ND	1.01	--	U
127-18-4	Tetrachloroethene	1.10	0.131	--	7.46	0.888	--	
108-90-7	Chlorobenzene	ND	0.653	--	ND	3.01	--	U
100-41-4	Ethylbenzene	7.77	0.131	--	33.7	0.569	--	
179601-23-1	p/m-Xylene	26.4	0.261	--	115	1.13	--	
75-25-2	Bromoform	ND	0.131	--	ND	1.35	--	U
100-42-5	Styrene	0.287	0.131	--	1.22	0.558	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.131	--	ND	0.900	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-11D	Date Collected	: 01/31/24 15:06
Client ID	: SS-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 08:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 6.533
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738640_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 38.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
95-47-6	o-Xylene	6.71	0.131	--	29.1	0.569	--	
622-96-8	4-Ethyltoluene	0.366	0.131	--	1.80	0.644	--	
108-67-8	1,3,5-Trimethybenzene	0.385	0.131	--	1.89	0.644	--	
95-63-6	1,2,4-Trimethylbenzene	1.38	0.131	--	6.78	0.644	--	
100-44-7	Benzyl chloride	ND	0.653	--	ND	3.38	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.131	--	ND	0.788	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.131	--	ND	0.788	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.131	--	ND	0.788	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.327	--	ND	2.43	--	U
87-68-3	Hexachlorobutadiene	ND	0.327	--	ND	3.49	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-12	Date Collected	: 01/31/24 15:07
Client ID	: IA-18	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738628_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	J
79-01-6	Trichloroethene	0.209	0.020	--	1.12	0.107	--	
127-18-4	Tetrachloroethene	0.026	0.020	--	0.176	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-13	Date Collected	: 01/31/24 18:00
Client ID	: IA-DUP	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/15/24 00:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: BJB
Lab File ID	: R1738629_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	J
79-01-6	Trichloroethene	0.162	0.020	--	0.871	0.107	--	
127-18-4	Tetrachloroethene	0.030	0.020	--	0.203	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Lab ID	: L2405593-14	Date Collected	: 01/31/24 15:33
Client ID	: AA-3	Date Received	: 02/01/24
Sample Location	: WEST NYACK, NY	Date Analyzed	: 02/14/24 20:17
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: KJD
Lab File ID	: R1738622_EV2	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--	J
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.038	0.020	--	0.258	0.136	--	

TO-15

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method TO15 Volatiles Data
for Alpha Analytical, SDG: No: L2405593

13 Soil Vapor/Air Samples and 1 Field Duplicate
Collected January 31, 2024

Prepared by: Donald Anné
March 18, 2024

Holding Times: The sample was analyzed within the EPA recommended holding times.

Cannister Pressure: The laboratory reported residual vacuums (negative pressure) in the samples as required by the method.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for carbon tetrachloride was above the allowable maximum (30%) on 02-14-24 (R1738617). The %D for carbon tetrachloride, bromodichloromethane, dibromochloromethane, and bromoform were above the allowable maximum (30%) on 02-14-24 (R1738619_EV2). The %D for 3-chloropropene, 1,2-dichloroethane, and methyl methacrylate were above the allowable maximum (30%) on 02-15-24 (R431907). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Duplicate: The relative percent differences for applicable compounds were below the allowable maximum (25%) for air duplicate sample IA-DUP, as required.

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds (full scan) were within QC limits for full scan vapor/air sample WG1885250-3.

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The %Rs (full scan) for 3-chloropropene and 1,2-dichloroethane were above QC limits for full scan vapor/air sample WG1885730-3. The %Rs (SIM) for bromodichloromethane, dibromochloromethane, and bromoform were above QC limits for SIM vapor/air sample WG1885253-3. Positive results for these compounds should be considered estimated, biased high (J+) in associated vapor/air samples.

Field Duplicates: The relative percent differences for 4-methyl-2-pentanone, acetone, and toluene were above the allowable maximum (25%) for indoor air field duplicate pair IA-18/IA-DUP (attached table). Positive results for 4-methyl-2-pentanone, acetone, and toluene should be considered (J) in samples IA-18 and IA-DUP.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for toluene in samples IA-13, IA-14, SS-15, IA-15, IA-16, SS-17, IA-17, IA-18, and IA-DUP; results for acetone in samples IA-14, IA-15, IA-17, IA-18 and IA-DUP; and results for trichloroethene in sample SS-15 were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results that are flagged as 'E' in the undiluted samples should be considered estimated (J). The use of the diluted results for toluene, trichloroethene, and acetone is recommended for the samples. It is recommended that the undiluted results be used for all other compounds.

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885730-3	Analysis Date : 02/15/24 13:36	File ID : r431907
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	11.2	112				-	70-130	-
Chloromethane	10	10.7	107				-	70-130	-
Freon-114	10	11.3	113				-	70-130	-
Vinyl chloride	10	9.57	96				-	70-130	-
1,3-Butadiene	10	11.2	112				-	70-130	-
Bromomethane	10	10.1	101				-	70-130	-
Chloroethane	10	10.0	100				-	70-130	-
Ethanol	50	47.6	95				-	40-160	-
Vinyl bromide	10	12.3	123				-	70-130	-
Acetone	50	60.7	121				-	40-160	-
Trichlorofluoromethane	10	11.3	113				-	70-130	-
Isopropanol	25	27.7	111				-	40-160	-
1,1-Dichloroethene	10	12.8	128				-	70-130	-
Tertiary butyl Alcohol	10	11.8	118				-	70-130	-
Methylene chloride	10	9.31	93				-	70-130	-
3-Chloropropene	10	14.2	142 Q				-	70-130	-
Carbon disulfide	10	10.3	103				-	70-130	-
Freon-113	10	11.4	114				-	70-130	-
trans-1,2-Dichloroethene	10	12.6	126				-	70-130	-
1,1-Dichloroethane	10	12.1	121				-	70-130	-
Methyl tert butyl ether	10	12.0	120				-	70-130	-
2-Butanone	10	12.5	125				-	70-130	-
cis-1,2-Dichloroethene	10	12.5	125				-	70-130	-
Ethyl Acetate	10	12.4	124				-	70-130	-
Chloroform	10	11.0	110				-	70-130	-
Tetrahydrofuran	10	12.6	126				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885730-3	Analysis Date : 02/15/24 13:36	File ID : r431907
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	13.4	134 Q				-	70-130	-
n-Hexane	10	11.2	112				-	70-130	-
1,1,1-Trichloroethane	10	12.4	124				-	70-130	-
Benzene	10	9.57	96				-	70-130	-
Carbon tetrachloride	10	11.9	119				-	70-130	-
Cyclohexane	10	11.0	110				-	70-130	-
1,2-Dichloropropane	10	11.2	112				-	70-130	-
Bromodichloromethane	10	12.0	120				-	70-130	-
1,4-Dioxane	10	11.7	117				-	70-130	-
Trichloroethene	10	11.0	110				-	70-130	-
2,2,4-Trimethylpentane	10	11.3	113				-	70-130	-
Heptane	10	12.4	124				-	70-130	-
cis-1,3-Dichloropropene	10	10.7	107				-	70-130	-
4-Methyl-2-pentanone	10	12.9	129				-	70-130	-
trans-1,3-Dichloropropene	10	11.0	110				-	70-130	-
1,1,2-Trichloroethane	10	10.8	108				-	70-130	-
Toluene	10	9.83	98				-	70-130	-
2-Hexanone	10	11.8	118				-	70-130	-
Dibromochloromethane	10	11.6	116				-	70-130	-
1,2-Dibromoethane	10	9.49	95				-	70-130	-
Tetrachloroethene	10	7.99	80				-	70-130	-
Chlorobenzene	10	8.99	90				-	70-130	-
Ethylbenzene	10	9.87	99				-	70-130	-
p/m-Xylene	20	20.4	102				-	70-130	-
Bromoform	10	9.47	95				-	70-130	-
Styrene	10	9.59	96				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885730-3	Analysis Date : 02/15/24 13:36	File ID : r431907
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,1,2,2-Tetrachloroethane	10	9.49	95				-	70-130	-
o-Xylene	10	10.6	106				-	70-130	-
4-Ethyltoluene	10	10.6	106				-	70-130	-
1,3,5-Trimethylbenzene	10	10.4	104				-	70-130	-
1,2,4-Trimethylbenzene	10	11.0	110				-	70-130	-
Benzyl chloride	10	12.3	123				-	70-130	-
1,3-Dichlorobenzene	10	8.95	90				-	70-130	-
1,4-Dichlorobenzene	10	9.16	92				-	70-130	-
1,2-Dichlorobenzene	10	8.77	88				-	70-130	-
1,2,4-Trichlorobenzene	10	7.75	78				-	70-130	-
Naphthalene	10	9.83	98				-	70-130	-
Hexachlorobutadiene	10	7.89	79				-	70-130	-

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRLAB17		Calibration Date	: 02/14/24 13:58	
Lab File ID	: R1738617		Init. Calib. Date(s)	: 01/07/24	01/08/24
Sample No	: WG1885250-2		Init. Calib. Times	: 22:14	02:55
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	75	0
chlorodifluoromethane	0.844	0.901	-	-6.8	30	82	.01
propylene	0.471	0.411	-	12.7	30	73	.01
propane	0.624	0.626	-	-0.3	30	79	.01
dichlorodifluoromethane	0.948	1.183	-	-24.8	30	93	.01
chloromethane	0.504	0.557	-	-10.5	30	82	.01
Freon-114	1.154	1.338	-	-15.9	30	85	.01
methanol	0.253	0.265	-	-4.7	30	81	.01
vinyl chloride	0.523	0.571	-	-9.2	30	82	.01
1,3-butadiene	0.45	0.459	-	-2	30	77	.01
butane	0.77	0.77	-	0	30	79	.01
bromomethane	0.429	0.48	-	-11.9	30	83	.01
chloroethane	0.241	0.261	-	-8.3	30	82	.01
ethanol	0.428	0.468	-	-9.3	30	80	.02
dichlorofluoromethane	0.869	0.967	-	-11.3	30	87	.01
vinyl bromide	0.412	0.446	-	-8.3	30	81	.01
acrolein	0.249	0.237	-	4.8	30	77	0
acetone	0.609	0.635	-	-4.3	30	83	.01
acetonitrile	0.425	0.438	-	-3.1	30	82	.02
trichlorofluoromethane	0.75	0.927	-	-23.6	30	92	.01
isopropyl alcohol	0.791	0.767	-	3	30	72	.01
acrylonitrile	0.462	0.44	-	4.8	30	75	.01
pentane	0.91	0.907	-	0.3	30	79	.01
ethyl ether	0.953	1.034	-	-8.5	30	90	.01
1,1-dichloroethene	0.676	0.812	-	-20.1	30	90	.01
tertiary butyl alcohol	0.921	0.844	-	8.4	30	71	.02
methylene chloride	0.67	0.815	-	-21.6	30	97	.02
3-chloropropene	0.749	0.772	-	-3.1	30	78	.01
carbon disulfide	1.668	1.828	-	-9.6	30	79	.02
Freon 113	0.971	1.143	-	-17.7	30	87	.01
trans-1,2-dichloroethene	0.704	0.781	-	-10.9	30	82	0
1,1-dichloroethane	0.889	1.037	-	-16.6	30	86	.02
MTBE	1.313	1.284	-	2.2	30	73	.02
vinyl acetate	1.208	1.235	-	-2.2	30	75	.02
2-butanone	1.222	1.316	-	-7.7	30	80	0
cis-1,2-dichloroethene	0.662	0.755	-	-14	30	84	.02
Ethyl Acetate	0.17	0.185	-	-8.8	30	81	0
chloroform	0.94	1.128	-	-20	30	90	.02
Tetrahydrofuran	0.693	0.747	-	-7.8	30	79	.02
2,2-dichloropropane	0.736	0.786	-	-6.8	30	82	0
1,2-dichloroethane	0.536	0.667	-	-24.4	30	95	.02
1,4-difluorobenzene	1	1	-	0	30	76	.02
hexane	0.331	0.353	-	-6.6	30	82	.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRLAB17		Calibration Date	: 02/14/24 13:58	
Lab File ID	: R1738617		Init. Calib. Date(s)	: 01/07/24	01/08/24
Sample No	: WG1885250-2		Init. Calib. Times	: 22:14	02:55
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.174	0.167	-	4	30	76	0
tert-butyl ethyl ether	0.58	0.555	-	4.3	30	75	.02
1,1,1-trichloroethane	0.288	0.347	-	-20.5	30	92	.02
1,1-dichloropropene	0.312	0.317	-	-1.6	30	79	.01
benzene	0.741	0.792	-	-6.9	30	80	.01
carbon tetrachloride	0.271	0.356	-	-31.4*	30	96	.01
cyclohexane	0.354	0.375	-	-5.9	30	82	.01
tert-amyl methyl ether	0.584	0.528	-	9.6	30	71	.01
dibromomethane	0.198	0.228	-	-15.2	30	91	.02
1,2-dichloropropane	0.228	0.265	-	-16.2	30	86	.02
bromodichloromethane	0.348	0.417	-	-19.8	30	89	.01
1,4-dioxane	0.143	0.151	-	-5.6	30	79	.02
trichloroethene	0.282	0.332	-	-17.7	30	88	.01
2,2,4-trimethylpentane	1.099	1.14	-	-3.7	30	83	.01
methyl methacrylate	0.247	0.275	-	-11.3	30	83	.01
heptane	0.466	0.503	-	-7.9	30	81	.01
cis-1,3-dichloropropene	0.371	0.383	-	-3.2	30	76	.02
4-methyl-2-pentanone	0.552	0.594	-	-7.6	30	79	.02
trans-1,3-dichloropropene	0.29	0.304	-	-4.8	30	76	.02
1,1,2-trichloroethane	0.253	0.296	-	-17	30	87	.02
chlorobenzene-D5	1	1	-	0	30	79	0
toluene	5.498	6.01	-	-9.3	30	85	.02
1,3-dichloropropane	2.76	2.838	-	-2.8	30	83	.02
2-hexanone	3.566	3.746	-	-5	30	77	.02
dibromochloromethane	2.321	2.95	-	-27.1	30	95	0
1,2-dibromoethane	2.826	3.186	-	-12.7	30	86	.02
butyl acetate	0.635	0.598	-	5.8	30	72	0
octane	1.996	1.99	-	0.3	30	82	.02
tetrachloroethene	2.195	2.431	-	-10.8	30	86	0
1,1,1,2-tetrachloroethane	1.906	2.193	-	-15.1	30	91	0
chlorobenzene	4.722	5.146	-	-9	30	84	0
ethylbenzene	6.927	7.767	-	-12.1	30	85	0
m+p-xylene	5.488	6.231	-	-13.5	30	86	0
bromoform	1.794	2.309	-	-28.7	30	93	0
styrene	4.644	4.876	-	-5	30	78	.02
1,1,2,2-tetrachloroethane	4.138	4.698	-	-13.5	30	87	.02
o-xylene	5.492	6.149	-	-12	30	85	0
1,2,3-trichloropropane	3.301	3.3	-	0	30	81	.02
nonane	5.239	5.073	-	3.2	30	77	0
isopropylbenzene	7.347	7.607	-	-3.5	30	84	0
bromobenzene	4.25	4.197	-	1.2	30	80	0
2-chlorotoluene	2.139	2.196	-	-2.7	30	83	.02
n-propylbenzene	2.332	2.474	-	-6.1	30	87	.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRLAB17		Calibration Date	: 02/14/24 13:58	
Lab File ID	: R1738617		Init. Calib. Date(s)	: 01/07/24	01/08/24
Sample No	: WG1885250-2		Init. Calib. Times	: 22:14	02:55
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.046	2.181	-	-6.6	30	85	0
4-ethyl toluene	7.571	8.016	-	-5.9	30	82	0
1,3,5-trimethylbenzene	6.529	7.764	-	-18.9	30	91	0
tert-butylbenzene	6.472	6.716	-	-3.8	30	83	0
1,2,4-trimethylbenzene	6.497	6.96	-	-7.1	30	81	.02
decane	4.934	4.826	-	2.2	30	79	.02
Benzyl Chloride	3.616	3.383	-	6.4	30	70	.02
1,3-dichlorobenzene	3.907	4.488	-	-14.9	30	86	0
1,4-dichlorobenzene	3.804	4.296	-	-12.9	30	83	0
sec-butylbenzene	9.21	9.116	-	1	30	80	0
p-isopropyltoluene	7.833	7.81	-	0.3	30	80	0
1,2-dichlorobenzene	3.724	4.055	-	-8.9	30	83	.02
n-butylbenzene	6.717	6.562	-	2.3	30	79	0
1,2-dibromo-3-chloropropan	1.541	1.495	-	3	30	76	.02
undecane	5.267	4.899	-	7	30	75	.02
dodecane	5.065	4.525	-	10.7	30	70	.04
1,2,4-trichlorobenzene	2.469	2.422	-	1.9	30	70	.02
naphthalene	6.859	5.639	-	17.8	30	67	.02
1,2,3-trichlorobenzene	2.15	1.823	-	15.2	30	69	.02
hexachlorobutadiene	2.381	2.647	-	-11.2	30	82	.03

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593		
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021		
Instrument ID	: AIRPIANO4	Calibration Date	: 02/15/24 13:36		
Lab File ID	: R431907	Init. Calib. Date(s)	: 01/13/24	01/14/24	
Sample No	: WG1885730-2	Init. Calib. Times	: 20:16	00:37	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	89	-.05
chlorodifluoromethane	0.82	0.837	-	-2.1	30	86	-.04
propylene	0.472	0.576	-	-22	30	105	-.04
propane	0.696	0.541	-	22.3	30	75	-.04
dichlorodifluoromethane	1.041	1.163	-	-11.7	30	91	-.04
chloromethane	0.496	0.529	-	-6.7	30	88	-.04
Freon-114	1.144	1.29	-	-12.8	30	89	-.04
methanol	0.276	0.207	-	25	30	70	-.04
vinyl chloride	0.547	0.524	-	4.2	30	77	-.05
1,3-butadiene	0.456	0.51	-	-11.8	30	89	-.05
butane	0.828	0.886	-	-7	30	99	-.04
bromomethane	0.416	0.42	-	-1	30	81	-.05
chloroethane	0.274	0.275	-	-0.4	30	83	-.05
ethanol	0.42	0.399	-	5	30	79	-.05
dichlorofluoromethane	0.892	0.943	-	-5.7	30	91	-.05
vinyl bromide	0.394	0.483	-	-22.6	30	98	-.05
acrolein	0.253	0.231	-	8.7	30	78	-.05
acetone	0.625	0.759	-	-21.4	30	106	-.05
acetonitrile	0.453	0.506	-	-11.7	30	100	-.05
trichlorofluoromethane	0.79	0.894	-	-13.2	30	93	-.05
isopropyl alcohol	0.837	0.927	-	-10.8	30	97	-.05
acrylonitrile	0.491	0.452	-	7.9	30	77	-.05
pentane	1.13	1.279	-	-13.2	30	96	-.05
ethyl ether	0.944	0.823	-	12.8	30	73	-.05
1,1-dichloroethene	0.752	0.958	-	-27.4	30	101	-.05
tertiary butyl alcohol	1.072	1.265	-	-18	30	101	-.05
methylene chloride	0.774	0.721	-	6.8	30	81	-.05
3-chloropropene	0.77	1.092	-	-41.8*	30	112	-.05
carbon disulfide	1.689	1.741	-	-3.1	30	82	-.05
Freon 113	0.973	1.105	-	-13.6	30	93	-.05
trans-1,2-dichloroethene	0.73	0.923	-	-26.4	30	101	-.05
1,1-dichloroethane	0.954	1.158	-	-21.4	30	98	-.06
MTBE	1.447	1.741	-	-20.3	30	93	-.05
vinyl acetate	1.252	1.343	-	-7.3	30	86	-.06
2-butanone	1.276	1.599	-	-25.3	30	101	-.05
cis-1,2-dichloroethene	0.692	0.865	-	-25	30	99	-.05
Ethyl Acetate	0.19	0.234	-	-23.2	30	100	-.06
chloroform	1.02	1.127	-	-10.5	30	88	-.05
Tetrahydrofuran	0.752	0.947	-	-25.9	30	99	-.05
2,2-dichloropropane	0.822	0.955	-	-16.2	30	95	-.06
1,2-dichloroethane	0.615	0.823	-	-33.8*	30	111	-.05
1,4-difluorobenzene	1	1	-	0	30	91	-.05
hexane	0.374	0.419	-	-12	30	92	-.06

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRPIANO4		Calibration Date	: 02/15/24 13:36	
Lab File ID	: R431907		Init. Calib. Date(s)	: 01/13/24	01/14/24
Sample No	: WG1885730-2		Init. Calib. Times	: 20:16	00:37
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.208	0.219	-	-5.3	30	89	-.05
tert-butyl ethyl ether	0.663	0.758	-	-14.3	30	96	-.05
1,1,1-trichloroethane	0.318	0.395	-	-24.2	30	102	-.06
1,1-dichloropropene	0.313	0.337	-	-7.7	30	90	-.05
benzene	0.75	0.718	-	4.3	30	78	-.05
carbon tetrachloride	0.302	0.358	-	-18.5	30	96	-.05
cyclohexane	0.399	0.438	-	-9.8	30	90	-.05
tert-amyl methyl ether	0.653	0.681	-	-4.3	30	86	-.05
dibromomethane	0.2	0.226	-	-13	30	97	-.05
1,2-dichloropropane	0.247	0.278	-	-12.6	30	93	-.05
bromodichloromethane	0.396	0.474	-	-19.7	30	98	-.05
1,4-dioxane	0.154	0.181	-	-17.5	30	96	-.05
trichloroethene	0.269	0.295	-	-9.7	30	87	-.05
2,2,4-trimethylpentane	1.219	1.38	-	-13.2	30	94	-.05
methyl methacrylate	0.275	0.382	-	-38.9*	30	112	-.05
heptane	0.482	0.597	-	-23.9	30	99	-.05
cis-1,3-dichloropropene	0.383	0.41	-	-7	30	83	-.05
4-methyl-2-pentanone	0.572	0.737	-	-28.8	30	103	-.05
trans-1,3-dichloropropene	0.315	0.347	-	-10.2	30	85	-.05
1,1,2-trichloroethane	0.263	0.285	-	-8.4	30	88	-.05
chlorobenzene-D5	1	1	-	0	30	101	-.04
toluene	5.137	5.051	-	1.7	30	88	-.04
1,3-dichloropropane	2.597	2.393	-	7.9	30	86	-.04
2-hexanone	3.276	3.854	-	-17.6	30	99	-.04
dibromochloromethane	2.109	2.443	-	-15.8	30	103	-.04
1,2-dibromoethane	2.496	2.369	-	5.1	30	83	-.04
butyl acetate	0.818	0.671	-	18	30	74	-.04
octane	2.215	2.015	-	9	30	85	-.04
tetrachloroethene	2.427	1.938	-	20.1	30	70	-.04
1,1,1,2-tetrachloroethane	1.649	1.635	-	0.8	30	93	-.04
chlorobenzene	4.268	3.838	-	10.1	30	79	-.04
ethylbenzene	6.439	6.353	-	1.3	30	86	-.03
m+p-xylene	5.234	5.335	-	-1.9	30	88	-.04
bromoform	2.235	2.116	-	5.3	30	83	-.04
styrene	4.269	4.093	-	4.1	30	81	-.03
1,1,2,2-tetrachloroethane	3.892	3.692	-	5.1	30	82	-.03
o-xylene	5.155	5.466	-	-6	30	90	-.03
1,2,3-trichloropropane	3.12	2.855	-	8.5	30	85	-.03
nonane	4.541	4.512	-	0.6	30	89	-.03
isopropylbenzene	6.695	6.628	-	1	30	90	-.03
bromobenzene	4.082	3.786	-	7.3	30	85	-.03
2-chlorotoluene	1.862	1.75	-	6	30	88	-.03
n-propylbenzene	2.204	2.141	-	2.9	30	87	-.03

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRPIANO4		Calibration Date	: 02/15/24 13:36	
Lab File ID	: R431907		Init. Calib. Date(s)	: 01/13/24	01/14/24
Sample No	: WG1885730-2		Init. Calib. Times	: 20:16	00:37
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	1.805	1.761	-	2.4	30	89	-.03
4-ethyl toluene	6.948	7.4	-	-6.5	30	92	-.03
1,3,5-trimethylbenzene	5.718	5.973	-	-4.5	30	90	-.03
tert-butylbenzene	6.279	6.608	-	-5.2	30	88	-.03
1,2,4-trimethylbenzene	6.34	6.99	-	-10.3	30	89	-.03
decane	5.069	4.914	-	3.1	30	87	-.03
Benzyl Chloride	3.752	4.615	-	-23	30	99	-.02
1,3-dichlorobenzene	3.864	3.459	-	10.5	30	79	-.03
1,4-dichlorobenzene	3.698	3.386	-	8.4	30	78	-.02
sec-butylbenzene	8.352	8.091	-	3.1	30	88	-.03
p-isopropyltoluene	7.011	6.602	-	5.8	30	82	-.03
1,2-dichlorobenzene	3.647	3.197	-	12.3	30	77	-.03
n-butylbenzene	6.317	6.614	-	-4.7	30	94	-.03
1,2-dibromo-3-chloropropan	1.708	1.751	-	-2.5	30	93	-.03
undecane	5.288	5.176	-	2.1	30	85	-.03
dodecane	4.927	4.947	-	-0.4	30	83	-.03
1,2,4-trichlorobenzene	3.075	2.385	-	22.4	30	61	-.03
naphthalene	5.948	5.845	-	1.7	30	91	-.03
1,2,3-trichlorobenzene	2.759	2.172	-	21.3	30	74	-.04
hexachlorobutadiene	3.092	2.441	-	21.1	30	65	-.04

* Value outside of QC limits.

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885253-3 Analysis Date : 02/14/24 15:20	File ID	: r1738619_Ev2
LCSD Sample ID	: Analysis Date :	File ID	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	5	5.87	117				-	70-130	25
Chloromethane	5	4.88	98				-	70-130	25
Freon-114	5	5.77	115				-	70-130	25
Vinyl chloride	5	5.41	108				-	70-130	25
1,3-Butadiene	5	5.51	110				-	70-130	25
Bromomethane	5	5.66	113				-	70-130	25
Chloroethane	5	5.56	111				-	70-130	25
Ethanol	25	27.5	110				-	40-160	25
Vinyl bromide	5	5.44	109				-	70-130	25
Acetone	25	25.3	101				-	40-160	25
Trichlorofluoromethane	5	6.09	122				-	70-130	25
Isopropanol	12.5	10.7	86				-	40-160	25
1,1-Dichloroethene	5	6.12	122				-	70-130	25
Tertiary butyl Alcohol	5	4.80	96				-	70-130	25
Methylene chloride	5	6.19	124				-	70-130	25
3-Chloropropene	5	5.72	114				-	70-130	25
Carbon disulfide	5	5.10	102				-	70-130	25
Freon-113	5	5.76	115				-	70-130	25
trans-1,2-Dichloroethene	5	5.66	113				-	70-130	25
1,1-Dichloroethane	5	5.84	117				-	70-130	25
Methyl tert butyl ether	5	5.17	103				-	70-130	25
2-Butanone	5	5.40	108				-	70-130	25
cis-1,2-Dichloroethene	5	5.56	111				-	70-130	25
Ethyl Acetate	5	5.82	116				-	70-130	25
Chloroform	5	5.97	119				-	70-130	25
Tetrahydrofuran	5	5.32	106				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885253-3	Analysis Date : 02/14/24 15:20	File ID : r1738619_Ev2
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	5	6.04	121				-	70-130	25
n-Hexane	5	5.72	114				-	70-130	25
1,1,1-Trichloroethane	5	6.05	121				-	70-130	25
Benzene	5	5.01	100				-	70-130	25
Carbon tetrachloride	5	6.50	130				-	70-130	25
Cyclohexane	5	5.51	110				-	70-130	25
1,2-Dichloropropane	5	5.47	109				-	70-130	25
Bromodichloromethane	5	6.62	132 Q				-	70-130	25
1,4-Dioxane	5	5.54	111				-	70-130	25
Trichloroethene	5	5.90	118				-	70-130	25
2,2,4-Trimethylpentane	5	5.56	111				-	70-130	25
cis-1,3-Dichloropropene	5	5.12	102				-	70-130	25
4-Methyl-2-pentanone	5	5.50	110				-	70-130	25
trans-1,3-Dichloropropene	5	5.20	104				-	70-130	25
1,1,2-Trichloroethane	5	5.93	119				-	70-130	25
Toluene	5	5.23	105				-	70-130	25
2-Hexanone	5	5.09	102				-	70-130	25
Dibromochloromethane	5	7.09	142 Q				-	70-130	25
1,2-Dibromoethane	5	5.69	114				-	70-130	25
Tetrachloroethene	5	5.36	107				-	70-130	25
Chlorobenzene	5	5.43	109				-	70-130	25
Ethylbenzene	5	5.44	109				-	70-130	25
p/m-Xylene	10	11.4	114				-	70-130	25
Bromoform	5	7.47	149 Q				-	70-130	25
Styrene	5	5.41	108				-	70-130	25
1,1,2,2-Tetrachloroethane	5	5.90	118				-	70-130	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: TRC Solutions	**Lab Number**	: L2405593
Project Name	: FORMER CHROMALLOY	**Project Number**	: 190273.2021
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1885253-3 **Analysis Date** : 02/14/24 15:20	**File ID**	: r1738619_Ev2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
o-Xylene	5	5.74	115				-	70-130	25
4-Ethyltoluene	5	5.78	116				-	70-130	25
1,3,5-Trimethybenzene	5	5.64	113				-	70-130	25
1,2,4-Trimethylbenzene	5	5.63	113				-	70-130	25
Benzyl chloride	5	5.19	104				-	70-130	25
1,3-Dichlorobenzene	5	6.17	123				-	70-130	25
1,4-Dichlorobenzene	5	6.27	125				-	70-130	25
1,2-Dichlorobenzene	5	5.88	118				-	70-130	25
1,2,4-Trichlorobenzene	5	4.80	96				-	70-130	25
Hexachlorobutadiene	5	5.50	110				-	70-130	25

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions	Lab Number	: L2405593		
Project Name	: FORMER CHROMALLOY	Project Number	: 190273.2021		
Instrument ID	: AIRLAB17	Calibration Date	: 02/14/24 15:20		
Lab File ID	: R1738619_EV2	Init. Calib. Date(s)	: 01/07/24	01/08/24	
Sample No	: WG1885253-2	Init. Calib. Times	: 20:20	02:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	78	0
propylene	0.483	0.47	-	2.7	30	80	0
dichlorodifluoromethane	1.032	1.21	-	-17.2	30	89	0
chloromethane	0.517	0.505	-	2.3	30	75	0
Freon-114	1.27	1.465	-	-15.4	30	88	0
vinyl chloride	0.546	0.591	-	-8.2	30	84	0
1,3-butadiene	0.447	0.493	-	-10.3	30	85	0
bromomethane	0.476	0.538	-	-13	30	89	0
chloroethane	0.25	0.278	-	-11.2	30	88	.01
ethanol	0.421	0.463	-	-10	30	82	.01
vinyl bromide	0.476	0.518	-	-8.8	30	85	0
acrolein	0.274	0.238	-	13.1	30	80	0
acetone	0.649	0.656	-	-1.1	30	85	.01
trichlorofluoromethane	0.879	1.07	-	-21.7	30	97	.01
isopropyl alcohol	0.837	0.719	-	14.1	30	67	0
acrylonitrile	0.469	0.478	-	-1.9	30	85	0
1,1-dichloroethene	0.698	0.854	-	-22.3	30	95	.01
tertiary butyl alcohol	0.944	0.907	-	3.9	30	77	.01
methylene chloride	0.68	0.842	-	-23.8	30	101	.01
3-chloropropene	0.741	0.847	-	-14.3	30	88	.01
carbon disulfide	1.791	1.828	-	-2.1	30	79	.01
Freon 113	1.088	1.254	-	-15.3	30	90	.01
trans-1,2-dichloroethene	0.716	0.81	-	-13.1	30	87	.02
1,1-dichloroethane	0.909	1.062	-	-16.8	30	89	.02
MTBE	1.323	1.368	-	-3.4	30	78	0
vinyl acetate	1.25	1.192	-	4.6	30	75	0
2-butanone	1.242	1.341	-	-8	30	84	0
cis-1,2-dichloroethene	0.688	0.765	-	-11.2	30	86	0
Ethyl Acetate	0.176	0.205	-	-16.5	30	90	.02
chloroform	1.001	1.195	-	-19.4	30	93	0
Tetrahydrofuran	0.697	0.741	-	-6.3	30	82	.02
1,2-dichloroethane	0.563	0.681	-	-21	30	97	.02
1,4-difluorobenzene	1	1	-	0	30	77	.01
hexane	0.305	0.348	-	-14.1	30	90	0
1,1,1-trichloroethane	0.281	0.34	-	-21	30	94	.02
benzene	0.747	0.748	-	-0.1	30	80	.01
carbon tetrachloride	0.277	0.361	-	-30.3*	30	100	.01
cyclohexane	0.332	0.365	-	-9.9	30	88	.01
Dibromomethane	0.21	0.241	-	-14.8	30	97	.01
1,2-dichloropropane	0.232	0.254	-	-9.5	30	89	.01
bromodichloromethane	0.332	0.44	-	-32.5*	30	101	.02
1,4-dioxane	0.141	0.156	-	-10.6	30	87	.01
trichloroethene	0.291	0.344	-	-18.2	30	89	.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: TRC Solutions		Lab Number	: L2405593	
Project Name	: FORMER CHROMALLOY		Project Number	: 190273.2021	
Instrument ID	: AIRLAB17		Calibration Date	: 02/14/24 15:20	
Lab File ID	: R1738619_EV2		Init. Calib. Date(s)	: 01/07/24	01/08/24
Sample No	: WG1885253-2		Init. Calib. Times	: 20:20	02:14
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.031	1.147	-	-11.3	30	92	.01
heptane	0.437	0.493	-	-12.8	30	87	.01
cis-1,3-dichloropropene	0.345	0.353	-	-2.3	30	75	.02
4-methyl-2-pentanone	0.519	0.571	-	-10	30	85	0
trans-1,3-dichloropropene	0.267	0.277	-	-3.7	30	75	.02
1,1,2-trichloroethane	0.251	0.297	-	-18.3	30	90	.02
chlorobenzene-D5	1	1	-	0	30	81	0
toluene	6.081	6.361	-	-4.6	30	86	0
2-hexanone	3.63	3.696	-	-1.8	30	79	0
dibromochloromethane	2.536	3.598	-	-41.9*	30	110	0
1,2-dibromoethane	3.064	3.484	-	-13.7	30	88	0
tetrachloroethene	2.349	2.517	-	-7.2	30	88	0
1,1,1,2-tetrachloroethane	2.1	2.535	-	-20.7	30	99	0
chlorobenzene	5.21	5.661	-	-8.7	30	86	.02
ethylbenzene	7.444	8.101	-	-8.8	30	86	0
m+p-xylene	5.903	6.711	-	-13.7	30	91	0
bromoform	1.751	2.615	-	-49.3*	30	112	0
styrene	4.879	5.279	-	-8.2	30	82	0
1,1,2,2-tetrachloroethane	4.368	5.149	-	-17.9	30	93	0
o-xylene	5.957	6.836	-	-14.8	30	91	0
1,2,3-Trichloropropane	3.458	3.601	-	-4.1	30	88	0
isopropylbenzene	8.086	8.599	-	-6.3	30	90	0
Bromobenzene	4.347	4.768	-	-9.7	30	90	0
4-ethyl toluene	7.995	9.241	-	-15.6	30	90	0
1,3,5-trimethylbenzene	6.935	7.816	-	-12.7	30	88	0
tert-butylbenzene	7.167	7.815	-	-9	30	92	0
1,2,4-trimethylbenzene	6.891	7.756	-	-12.6	30	86	0
Benzyl Chloride	3.668	3.809	-	-3.8	30	82	0
1,3-dichlorobenzene	4.02	4.962	-	-23.4	30	93	0
1,4-dichlorobenzene	3.872	4.855	-	-25.4	30	94	.02
sec-butylbenzene	10.196	10.662	-	-4.6	30	89	0
p-isopropyltoluene	8.577	8.501	-	0.9	30	84	0
1,2-dichlorobenzene	3.895	4.579	-	-17.6	30	93	0
n-butylbenzene	7.396	7.976	-	-7.8	30	92	.02
1,2-dibromo-3-chloropropan	1.484	1.724	-	-16.2	30	92	0
1,2,4-trichlorobenzene	2.462	2.364	-	4	30	73	.02
naphthalene	7.485	6.841	-	8.6	30	82	.03
1,2,3-trichlorobenzene	2.182	2.225	-	-2	30	92	.02
hexachlorobutadiene	2.524	2.774	-	-9.9	30	88	.03

* Value outside of QC limits.