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June 13, 2022

Salvatore Priore, P.E.
Project Manager
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 – 2021-2022 Heating Season
Areas of Concern No. 7 & 8
Former Star Anchors and Fasteners (NYSDEC Site No. 336008)
20 Industry Drive
Mountainville, Orange County, New York 10953

Dear Mr. Priore:

TRC Engineers, Inc. (TRC), on behalf of Cornwall Properties, LLC (Cornwall), has prepared this letter report to discuss recent soil vapor intrusion (SVI) sampling activities completed in association with the former Star Anchors and Fasteners facility located at 20 Industry Drive, Mountainville, New York (the Site). All activities were completed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved *January 2022 Revised Soil Vapor Point Intrusion Workplan* (Workplan).

An additional SVI assessment within the former Star Anchors and Fasteners facility was recommended in TRC's 2020 Remedial Investigation Report during the next heating season. For this most recent heating season, TRC completed the SVI assessment activities on February 9 and 10, 2022.

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**.

2022 Soil Vapor Intrusion Field Activities

Permanent Sub-Slab Vapor Point Installation

On February 9, 2022, TRC installed eight permanent sub-slab vapor points (SSVP-101 through SSVP-108) at the Site. Seven sub-slab vapor points (SSVP-101 through SSVP-106 and SSVP-108) were installed in the Area of Concern (AOC) No. 7 warehouse building in the vicinity of the March 2017 temporary locations, where it was practical, and one sub-slab vapor point (SSVP-107) was installed in the basement of the AOC No. 8 residential structure. Permanent sub-slab vapor point locations can be found on **Figure 1**.

Each permanent sub-slab vapor point was installed through the respective building's concrete slab via a 5/8-inch hole, drilled utilizing a hammer drill. The slab thickness was measured and a Vapor Pin® device was installed to the concrete slab's lower depth. Volatile organic compound (VOC)-free silicone sleeves, installed on the barbed ends of the Vapor Pin® device, were used to seal each sub-slab point in place. Following installation, each permanent sub-slab point was completed at the surface with a tamper resistant flush mount cover.

Building Inspection and Chemical Inventory

The AOC No. 7 warehouse building is currently utilized by Pyramid Sound, Inc. of Mountainville, New York as a warehouse for distribution of furniture and consumer electronics. Bay doors, located on the northwest and southeast sides of the building, open and close throughout business hours to unload or load transport trucks. The main office and breakroom are located in the central portion of the building. At the time of sampling, chemical storage included cleaning products, such as hand soap and bleach, and were located in the breakroom.

The AOC No. 8 residential structure is located directly east of the warehouse building and consists of a two-story, single-family home. The house remains closed with minimal airflow other than when entering or leaving through the front door. The basement consists of a poured concrete slab floor and contains a water tank, heating oil tank, and a washing and drying machine. At the time of sampling, chemical storage included laundry detergents, cleaning products, paint, petroleum (heating oil).

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 February 9, 2022, all eight 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 February 10, 2022, eight sub-slab vapor samples (SSVP-101 through SSVP-108), eight co-located indoor air samples (IA-101 through IA-108), and one outdoor ambient air sample (AA-101) was collected for laboratory analysis. For quality control/quality assurance (QA/QC) purposes, a single duplicate sample (IA-DUP) was collected adjacent to IA-102. A map showing the approximate air sampling locations is provided on **Figure 1**. Record of Vapor Sampling forms, detailing the helium leak test results, vapor sample PID readings, and sample times, can be found in **Attachment 3**.

All 18 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 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.

2022 Soil Vapor Intrusion Results

Building Inspection and Chemical Inventory

During the pre-sampling inspection of the AOC No. 7 warehouse building and AOC No. 8 residential structure, minor to no PID readings were recorded. Within the AOC No. 7 warehouse building, PID readings ranging from 0 ppb to 95 ppb were noted in the indoor air space and were believed to be primarily due to the presence of stored/used cleaning products. Active use of the overhead garage bay doors occurred throughout the time of SVI sampling. Within the AOC No. 8 residential structure, no PID readings were recorded. No interfering conditions were noted within either the AOC No. 7 warehouse building or AOC No. 8 residential structure at the time of SVI sampling.

The integrity of the floor slabs within both the AOC No. 7 warehouse building and AOC No. 8 residential structure were assessed in the vicinity of each SVI sample location. This was completed by inspecting the slabs for cracks, penetrations, and other preferential pathways, by way of building utilities, for potential SVI. No apparent cracks/gaps were observed in the slabs of either building.

Soil Vapor Intrusion Analytical Results

SVI analytical results within the AOC No. 7 warehouse building and AOC No. 8 residential structure indicated the presence of Site contaminants of concern (COCs) tetrachloroethene (PCE), trichloroethene (TCE), and/or cis-1,2-dichloroethene (c12-DCE) in the sub-slab vapor points. The concentration ranges for these chlorinated VOCs (cVOCs) in the sub-slab points were detected at the following ranges:

- PCE – 7.26 micrograms per cubic meter (µg/m^3) (SSVP-103) to 211,000 µg/m^3 (SSVP-106).
- TCE – 6.23 µg/m^3 (SSVP-104) to 16,600 µg/m^3 (SSVP-106). TCE was not detected above the laboratory reporting limit (RL) in the sample collected from SSVP-107.
- c12-DCE – 387 µg/m^3 (SSVP-108). c12-DCE was not detected above the laboratory RL in samples collected from SSVP-101 through SSVP-107.

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

- PCE – 0.312 µg/m^3 (IA-102) to 3.30 µg/m^3 (IA-106).
- TCE – 0.322 µg/m^3 (IA-107) to 12.8 µg/m^3 (IA-106).

- c12-DCE – 0.079 µg/m^3 (IA-102) to 0.567 µg/m^3 (IA-106). c12-DCE was not detected above laboratory RLs in samples collected from IA-101 and IA-107.

A comparison of the sub-slab cVOC detections to their respective co-located indoor air sample analytical results and the *October 2006 NYSDOH SVI Guidance* (amended May 2017) indicates the actions below:

- Vinyl Chloride – No further action in all co-located sub-slab and indoor air samples.
- 1,1-Dichloroethene - No further action in all co-located sub-slab and indoor air samples.
- Methylene Chloride - No further action in all co-located sub-slab and indoor air samples.
- c12-DCE - No further action in SSVP/IA-101 through SSVP/IA-107. Mitigation required in SSVP/IA-108.
- 1,1,1-Trichloroethane – No further action in all co-located sub-slab and indoor air samples.
- Carbon Tetrachloride – No further action in all co-located sub-slab and indoor air samples.
- TCE – No further action in SSVP/IA-107. Monitoring required in SSVP/IA-101 and SSVP/IA-102. Mitigation required in SSVP/IA-103 through SSVP/IA-106 and SSVP/IA-108.
- PCE – No further action in SSVP/IA-101 through SSVP/IA-105, SSVP/IA-107, and SSVP/IA-108. Mitigation required in SSVP/IA-106.

A summary of the SVI analytical results can be found in **Table 1**. Analytes that either require monitoring or mitigation per their respective NYSDOH matrix 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

Analytical results from the seven co-located sub-slab and indoor air vapor points within the AOC No. 7 warehouse building show concentrations of PCE, TCE, and c12-DCE warranting either “monitoring” or “mitigation” per the NYSDOH Guidance. When compared to March 2017 sub-slab analytical results, concentrations of Site COCs have generally decreased at all locations. The exception to this is PCE at SSVP-106 only, which increased from a March 2017 concentration of 110,000 µg/m^3 to 211,000 µg/m^3. Analytical results from the sub-slab vapor point within AOC No. 8 residential structure (SSVP/IA-107) indicate “no further action” per the NYSDOH Guidance. This result is consistent with historical sub-slab/indoor air sampling competed on January 11, 2006 and documented in a TRC letter report dated January 31, 2006.

Based on the above SVI analytical results and stated in the *September 2020 Remedial Investigation Report*, TRC recommends that a Focused Feasibility Study (FSS) be completed in order to develop potential remedial action alternatives to address sub-slab soil vapor in the AOC No. 7 warehouse building. Prior to development of the FSS however, TRC requests that the NYSDEC formally approves the *September 2020 Remedial Investigation Report*.

With regard to the AOC No. 8 residential structure, sub-slab/indoor air samples indicate that detected concentrations of Site cVOCs are not impacting this structure to a degree which warrants action. As a result, the February 2022 SVI sampling has confirmed the conclusion of the historical January 2006 results and TRC respectfully requests that no further action be required for AOC No. 8.

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, P.G. (NY)
Office Practice Leader

CC: Steven Berninger, NYSDOH

Attachments

Table 1 Summary of SVI Analytical Results – February 2022

Figure 1 Site Layout Map
Figure 2 Select Soil Vapor Intrusion Air Sample Results (February 2022)

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 - February 2022
Former Star Anchors and Fasteners Site (Site No. 336008)
Mountainville, New YorK

Sample Area:		AOC No. 7: Warehouse Building																AOC No. 8 Residential Stucture		NA
Sample Location:		Co-Located		Co-Located			Co-Located		Co-Located		Co-Located		Co-Located		Co-Located		Co-Located			
		SSVP-101	IA-101	SSVP-102	IA-102	IA-DUP	SSVP-103	IA-103	SSVP-104	IA-104	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-108	IA-108	SSVP-107	IA-107	AA-101
Sample Name:		SSVP-101	IA-101	SSVP-102	IA-102	IA-102	SSVP-103	IA-103	SSVP-104	IA-104	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-108	IA-108	SSVP-107	IA-107	AA-3
Lab Sample ID:		L2207379-01	L2207379-02	L2207379-03	L2207379-04	L2207379-05	L2207379-06	L2207379-07	L2207379-08	L2207379-09	L2207379-10	L2207379-11	L2207379-12	L2207379-13	L2207379-17	L2207379-18	L2207379-14	L2207379-15	L2207379-16
Sample Type:		Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Ambient Air
Sample Date:		2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022
PID Reading (ppb):		44	0	0	0	0	4,916	0	615	71	1,259	81	230	120	2,966	0	24	0	0
NYSDOH Matrix	TO-15 Analysis - VOCs	Results (µg/m^3)																	
	Dichlorodifluoromethane	2.53	2.74	2.67	2.58	2.63	2.27	2.70	2.54	2.60	2.48	2.65	183 U	2.69	2.55	2.67	2.45	2.63	2.68
	Chloromethane	0.413 U	1.16	0.413 U	1.15	1.17	0.413 U	1.15	0.547	1.17	0.413 U	1.17	76.4 U	1.18	0.413 U	1.16	0.413 U	0.770	1.11
	Freon-114	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	259 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
C	Vinyl chloride	0.511 U	0.051 U	0.511 U	0.051 U	0.051 U	0.511 U	0.051 U	0.698	0.051 U	0.511 U	0.051 U	94.6 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U	0.051 U
	1,3-Butadiene	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	81.9 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
	Bromomethane	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	144 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
	Chloroethane	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	97.6 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
	Ethanol	33.2	19.0	27.3	20.7	21.5	180	27.1	76.9	62.2	562	47.5	1740 U	48.4	25.6	30.9	22.2	14.9	9.42 U
	Vinyl bromide	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	162 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
	Acetone	29.9	18.1	14.2	17.8	19.9	5,560	22.7	59.9	35.6	162	34.9	439 U	39.7	28.7	33.3	11.7	5.94	4.92
	Trichlorofluoromethane	1.19	1.33	1.36	1.27	1.33	1.12 U	1.31	1.34	1.32	1.20	1.25	208 U	1.38	1.21	1.27	1.79	1.39	1.41
	Isopropanol	2.22	2.25	1.98	2.43	2.30	2,310	4.45	7.84	17.0	17.2	11.0	228 U	15.4	2.35	4.65	3.22	1.61	1.23 U
A	1,1-Dichloroethene	0.793 U	0.079 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	147 U	0.079 U	28.8	0.079 U	0.793 U	0.079 U	0.079 U
	Tertiary butyl Alcohol	1.70	1.52 U	1.52 U	1.52 U	1.52 U	2.49	1.52 U	1.52 U	1.52 U	6.85	1.52 U	281 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
B	Methylene chloride	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.88	1.74 U	1.74 U	322 U	1.91	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
	3-Chloropropene	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	116 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
	Carbon disulfide	1.07	0.623 U	0.623 U	0.623 U	0.623 U	0.729	0.623 U	1.15	1.94	2.48	1.51	115 U	1.13	1.76	0.623 U	0.623 U	0.623 U	0.623 U
	Freon-113	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	284 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
	trans-1,2-Dichloroethene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	147 U	0.793 U	5.27	0.793 U	0.793 U	0.793 U	0.793 U
	1,1-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	150 U	0.809 U	24.9	0.809 U	0.809 U	0.809 U	0.809 U
	Methyl tert butyl ether	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	133 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
	2-Butanone	2.51	4.57	6.75	4.66	4.95	5.69	13.7	3.54	38.9	6.96	36.0	273 U	36.0	1.47 U	14.3	1.69	1.47 U	1.47 U
A	cis-1,2-Dichloroethene	0.793 U	0.079 U	0.793 U	0.079	0.079 U	0.793 U	0.317	0.793 U	0.515	0.793 U	0.456	147 U	0.567	**387**	**0.242**	0.793 U	0.079 U	0.079 U
	Ethyl Acetate	1.80 U	2.46	1.80 U	2.25	2.50	1.80 U	2.51	1.80 U	5.77	1.80 U	5.33	334 U	5.41	1.80 U	2.97	1.80 U	1.80 U	1.80 U
	Chloroform	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	5.13	0.977 U	0.977 U	0.977 U	181 U	0.977 U	121	0.977 U	0.977 U	0.977 U	0.977 U
	Tetrahydrofuran	1.47 U	1.47 U	2.67	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	6.40	1.47 U	273 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
	1,2-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	2.80	0.809 U	1.38	150 U	1.85	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
	n-Hexane	1.16	0.705 U	0.705 U	0.705 U	0.705 U	0.807	0.705 U	2.32	0.705 U	1.97	0.705 U	4,020	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
B	1,1,1-Trichloroethane	8.89	0.109 U	1.57	0.109 U	0.109 U	8.40	0.109	1.13	0.186	10.7	0.142	460	0.229	22.6	0.153	258	2.56	0.109 U
	Benzene	0.818	0.639 U	0.879	0.639 U	0.639 U	1.19	0.639 U	2.19	0.639 U	1.23	0.639 U	118 U	0.639 U	1.52	0.639 U	0.639	0.639 U	0.639 U
A	Carbon tetrachloride	1.26 U	0.484	1.26 U	0.491	0.528	1.26 U	0.472	1.26 U	0.459	1.26 U	0.497	233 U	0.528	1.26 U	0.453	1.26 U	0.440	0.503
	Cyclohexane	0.854	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	826	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
	1,2-Dichloropropane	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	171 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
	Bromodichloromethane	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	248 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
	1,4-Dioxane	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.818	0.721 U	133 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
A	Trichloroethene	**26.5**	**0.897**	**11.7**	**0.817**	**0.919**	**24.3**	**3.92**	**6.23**	**10.9**	**20.7**	**8.65**	**16,600**	**12.8**	**5,640**	**4.54**	1.07 U	0.322	0.107 U
	2,2,4-Trimethylpentane	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	5,510	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
	Heptane	0.820 U	0.820 U	0.938	0.820 U	0.820 U	1.11	0.820 U	2.13	0.820 U	1.68	0.820 U	734	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
	cis-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	168 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
	4-Methyl-2-pentanone	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	379 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U

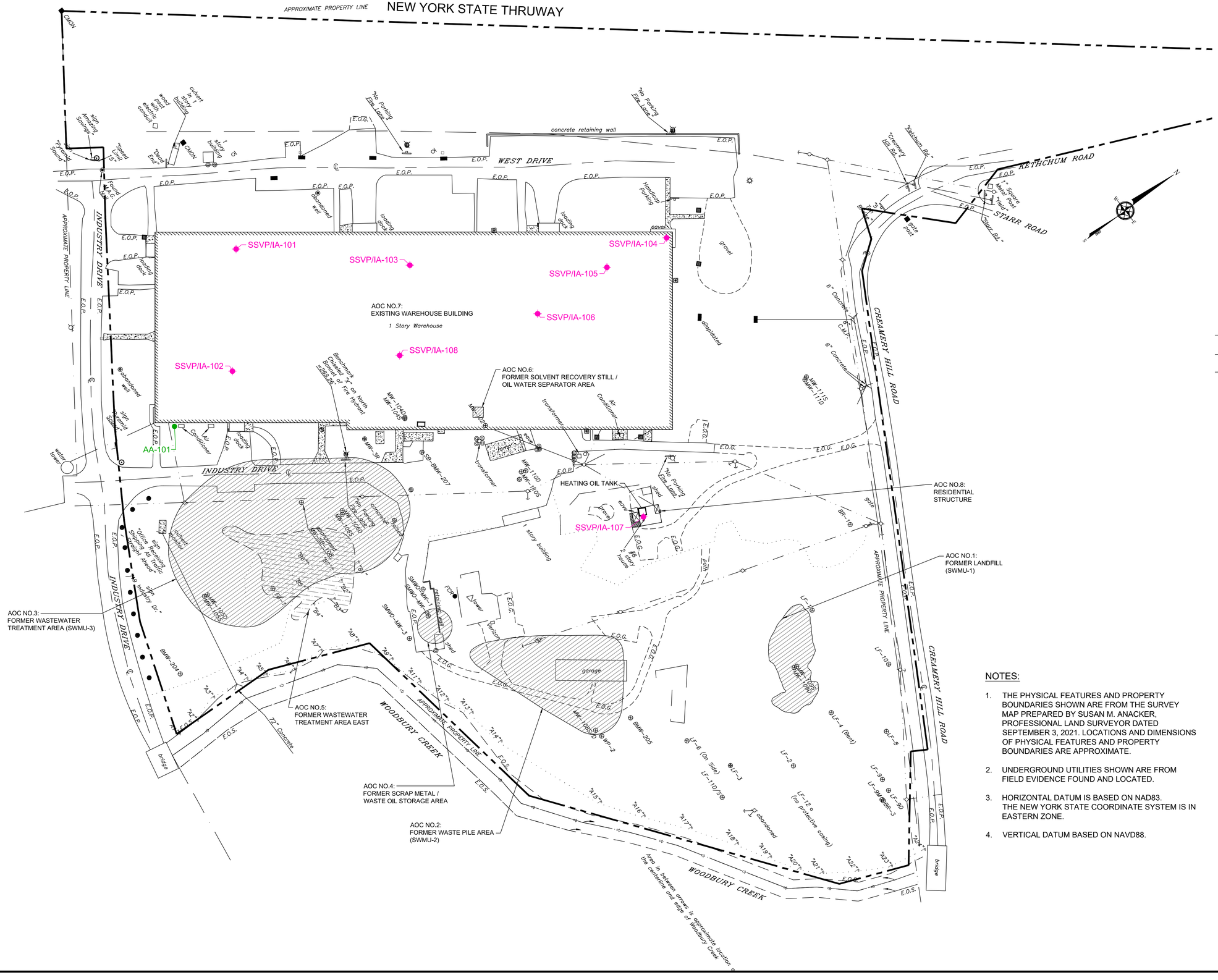
Table 1
Summary of SVI Analytical Results - February 2022
Former Star Anchors and Fasteners Site (Site No. 336008)
Mountainville, New YorK

Sample Area:		AOC No. 7: Warehouse Building																AOC No. 8 Residential Stucture		NA
Sample Location:		Co-Located		Co-Located			Co-Located		Co-Located		Co-Located		Co-Located		Co-Located		Co-Located			
		SSVP-101	IA-101	SSVP-102	IA-102	IA-DUP	SSVP-103	IA-103	SSVP-104	IA-104	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-108	IA-108	SSVP-107	IA-107	AA-101
Sample Name:		SSVP-101	IA-101	SSVP-102	IA-102	IA-102	SSVP-103	IA-103	SSVP-104	IA-104	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-108	IA-108	SSVP-107	IA-107	AA-3
Lab Sample ID:		L2207379-01	L2207379-02	L2207379-03	L2207379-04	L2207379-05	L2207379-06	L2207379-07	L2207379-08	L2207379-09	L2207379-10	L2207379-11	L2207379-12	L2207379-13	L2207379-17	L2207379-18	L2207379-14	L2207379-15	L2207379-16
Sample Type:		Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Ambient Air
Sample Date:		2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022
PID Reading (ppb):		44	0	0	0	0	4,916	0	615	71	1,259	81	230	120	2,966	0	24	0	0
NYSDOH Matrix	TO-15 Analysis - VOCs	Results (µg/m^3)																	
	trans-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	168 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
	1,1,2-Trichloroethane	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	202 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
	Toluene	11.6	6.82	15.6	11.4	10.0	19.0	17.5	37.7	53.5	18.1	43.0	139 U	42.2	10.7	16.8	12.9	0.754 U	0.754 U
	2-Hexanone	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.885	0.820 U	152 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
	Dibromochloromethane	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	315 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
	1,2-Dibromoethane	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	284 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
B	Tetrachloroethene	8.95	0.325	11.3	0.312	0.325	7.26	0.495	11.7	2.03	66.0	1.34	**211,000**	**3.30**	370	0.556	56.6	2.58	0.136 U
	Chlorobenzene	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	170 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
	Ethylbenzene	2.47	2.58	3.60	2.19	2.39	4.31	2.36	5.73	6.91	3.64	4.78	161 U	5.65	2.23	2.76	2.31	0.869 U	0.869 U
	p/m-Xylene	12.7	13.2	19.2	11.1	11.5	20.6	10.7	26.8	27.2	18.0	20.9	322 U	24.5	11.9	11.6	11.9	1.74 U	1.74 U
	Bromoform	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	383 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
	Styrene	0.852 U	3.09	0.852 U	2.68	2.65	0.852 U	2.15	0.852 U	5.71	0.852 U	4.77	158 U	4.56	0.852 U	2.66	0.852 U	0.852 U	0.852 U
	1,1,2,2-Tetrachloroethane	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	254 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
	o-Xylene	4.29	7.47	6.08	6.12	6.60	13.0	5.60	8.47	13.8	5.86	10.6	161 U	12.8	3.43	6.08	3.73	0.869 U	0.869 U
	4-Ethyltoluene	1.01	0.983 U	1.89	0.983 U	0.983 U	2.05	0.983 U	4.00	0.983 U	3.81	0.983 U	182 U	0.983 U	1.39	0.983 U	1.32	0.983 U	0.983 U
	1,3,5-Trimethylbenzene	0.983 U	0.983 U	1.63	0.983 U	0.983 U	1.93	0.983 U	2.41	0.983 U	1.85	0.983 U	182 U	0.983 U	1.11	0.983 U	1.00	0.983 U	0.983 U
	1,2,4-Trimethylbenzene	4.69	1.35	7.18	1.21	1.21	8.31	0.983 U	11.4	0.983 U	8.50	0.983 U	182 U	1.15	5.90	0.983 U	5.46	0.983 U	0.983 U
	Benzyl chloride	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	192 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
	1,3-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	222 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,4-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	222 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,2-Dichlorobenzene	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	222 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,2,4-Trichlorobenzene	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	275 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
	Hexachlorobutadiene	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	395 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U

Notes:

µg/m3	: micrograms per cubic meter
U	: Analyte was not detected at specified quantitation limit
TO	: Toxic organics
NA	: Not applicable
PID	: Photo-ionization detector
ppb	: parts per billion
VOCs	: Volatile organic compounds
NYSDOH Matrix	: New York State Departmet of Health Soil Vapor/Indoor Air Decision Matrices, May 2017
Bold	: Indicates the result is within the applicable "Monitor" or "Mitigate" NYSDOH Matrix criteria
Green Shading	: Indicates the result requires "No Further Action" per the applicable NYSDEC Matrix
Orange Shading	: Indicates the results require "Monitoring" per the applicable NYSDEC Matrix
Red Shading	: Indicates the result requires "Mitigation" per the applicable NYSDEC Matrix

FIGURES



LEGEND (SYMBOLS NOT TO SCALE):

- BUILDING BOUNDARY
- PROPERTY BOUNDARY LINE
- APPROXIMATE EXTENT OF AOC (BASED ON REPORTS BY OTHERS)
- APPROXIMATE EXTENT OF AOC-5 (BASED ON REPORTS BY OTHERS)
- SSVP/IA-### SUB-SLAB VAPOR / INDOOR AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- AA-101 AMBIENT AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- BENCH MARK
- MONITORING WELL
- CMON FOUND CONCRETE MONUMENT
- FCR FOUND CAPPED ROD
- CONCRETE
- BRICK PAVERS
- E.O.S. EDGE OF STREAM
- E.O.P. EDGE OF PAVEMENT
- E.O.G. EDGE OF GRAVEL
- CENTERLINE (EXISTING)
- DIRECTION OF FLOW
- WOODEN STOCKADE FENCE LINE
- CHAIN LINK FENCE LINE
- BOLLARD
- SIGN
- FENCE POST
- LIGHT POLE
- FIRE MAIN INDICATOR POST
- FIRE HYDRANT
- WATER VALVE
- CATCH BASIN
- SANITARY SEWER MANHOLE
- MANHOLE
- AIR CONDITIONER
- WETLAND FLAG
- TREE LINE / EDGE OF WOODS
- SYCAMORE TREE
- UTILITY POLE WITH OVERHEAD WIRES
- UTILITY POLE ANCHOR
- OVERHEAD UTILITY WIRES
- PROPERTY LINE
- APPROXIMATE LOCATION OF UNDERGROUND GAS LINE

NOTES:

1. THE PHYSICAL FEATURES AND PROPERTY BOUNDARIES SHOWN ARE FROM THE SURVEY MAP PREPARED BY SUSAN M. ANACKER, PROFESSIONAL LAND SURVEYOR DATED SEPTEMBER 3, 2021. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD EVIDENCE FOUND AND LOCATED.
3. HORIZONTAL DATUM IS BASED ON NAD83. THE NEW YORK STATE COORDINATE SYSTEM IS IN EASTERN ZONE.
4. VERTICAL DATUM BASED ON NAVD88.

0 60 120

SCALE: 1" = 60'
SHEET SIZE: 24" X 36"
(DRAWING MAY BE PRINTED AT REDUCED SIZE)

PROJECT:
FORMER STAR ANCHORS AND FASTENERS
NYSDEC SITE NO. 336008
MOUNTAINVILLE, NEW YORK

TITLE:
SITE LAYOUT PLAN

DRAWN BY:	H. DELGADO	PROJ NO.:	336744.0000.0000
CHECKED BY:	J. KING		**FIGURE 1**
APPROVED BY:	J. LAROCK		
DATE:	MARCH 2022		

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Clifton Park, NY 12065
Phone: 518.688.3154
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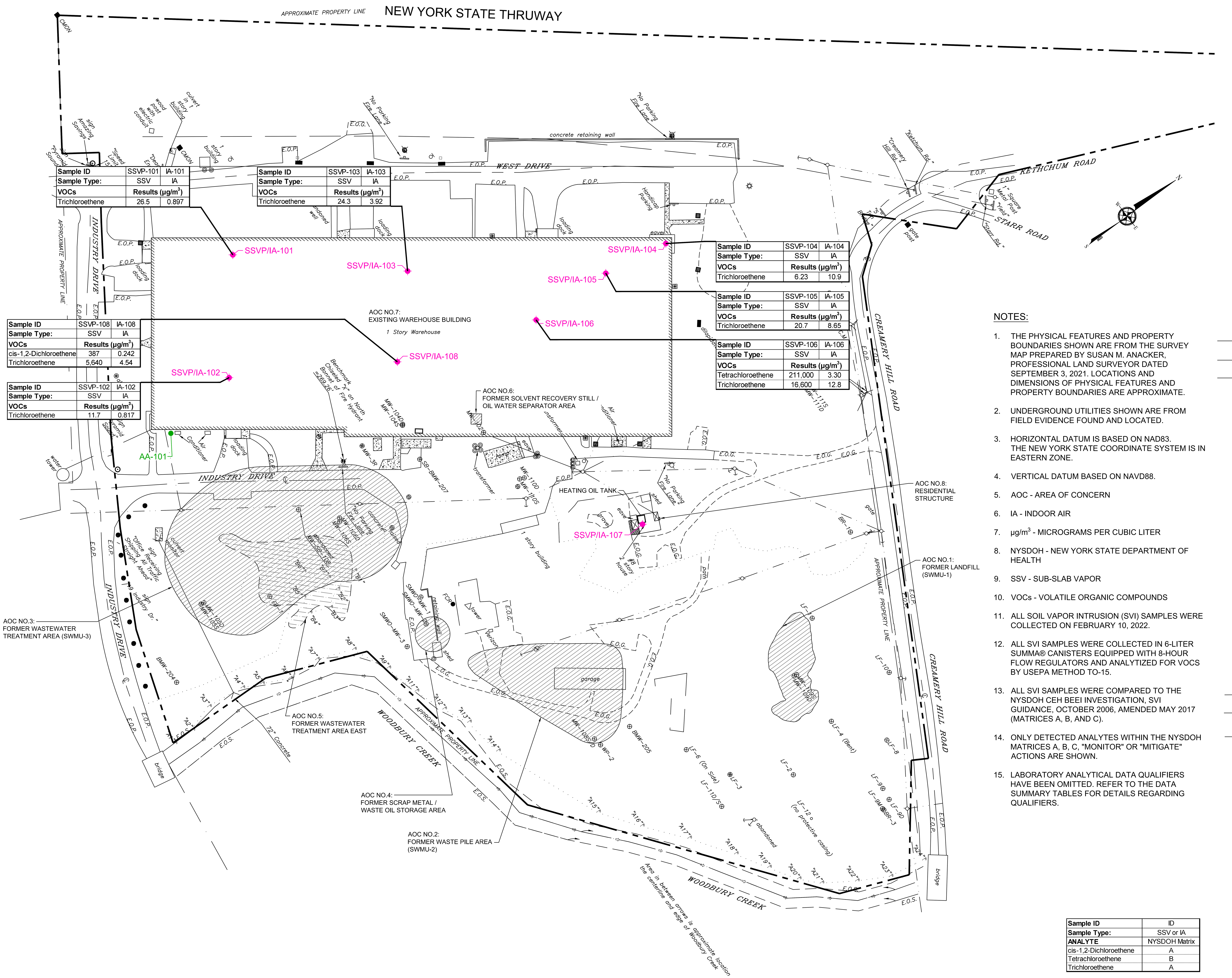
FILE NO.: Fig. 1 - Site Layout Plan (FSA&F).dwg



Sample ID	SSVP-101	IA-101
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Trichloroethene	26.5	0.897

Sample ID	SSVP-103	IA-103
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Trichloroethene	24.3	3.92

Sample ID	SSVP-104	IA-104
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Trichloroethene	6.23	10.9

Sample ID	SSVP-105	IA-105
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Trichloroethene	20.7	8.65

Sample ID	SSVP-106	IA-106
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Tetrachloroethene	211,000	3.30
Trichloroethene	16,600	12.8

Sample ID	SSVP-108	IA-108
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
cis-1,2-Dichloroethene	387	0.242
Trichloroethene	5,640	4.54

Sample ID	SSVP-102	IA-102
Sample Type:	SSV	IA
VOCs	Results (µg/m³)	
Trichloroethene	11.7	0.817

LEGEND (SYMBOLS NOT TO SCALE):

- BUILDING BOUNDARY
- PROPERTY BOUNDARY LINE
- APPROXIMATE EXTENT OF AOC (BASED ON REPORTS BY OTHERS)
- APPROXIMATE EXTENT OF AOC-5 (BASED ON REPORTS BY OTHERS)
- SSVP/IA-### SUB-SLAB VAPOR / INDOOR AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- AA-101 AMBIENT AIR SAMPLE LOCATION AND IDENTIFICATION NUMBER
- BENCH MARK
- MONITORING WELL
- CMON FOUND CONCRETE MONUMENT
- FCR FOUND CAPPED ROD
- CONCRETE
- BRICK PAVERS
- E.O.S. EDGE OF STREAM
- E.O.P. EDGE OF PAVEMENT
- E.O.G. EDGE OF GRAVEL
- ℄ CENTERLINE (EXISTING)
- DIRECTION OF FLOW
- WOODEN STOCKADE FENCE LINE
- CHAIN LINK FENCE LINE
- BOLLARD
- SIGN
- FENCE POST
- LIGHT POLE
- FIRE MAIN INDICATOR POST
- FIRE HYDRANT
- WATER VALVE
- CATCH BASIN
- SANITARY SEWER MANHOLE
- MANHOLE
- AIR CONDITIONER
- WETLAND FLAG
- TREE LINE / EDGE OF WOODS
- SYCAMORE TREE
- UTILITY POLE WITH OVERHEAD WIRES
- UTILITY POLE ANCHOR
- OVERHEAD UTILITY WIRES
- PROPERTY LINE
- APPROXIMATE LOCATION OF UNDERGROUND GAS LINE

NOTES:

1. THE PHYSICAL FEATURES AND PROPERTY BOUNDARIES SHOWN ARE FROM THE SURVEY MAP PREPARED BY SUSAN M. ANACKER, PROFESSIONAL LAND SURVEYOR DATED SEPTEMBER 3, 2021. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND PROPERTY BOUNDARIES ARE APPROXIMATE.
2. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD EVIDENCE FOUND AND LOCATED.
3. HORIZONTAL DATUM IS BASED ON NAD83. THE NEW YORK STATE COORDINATE SYSTEM IS IN EASTERN ZONE.
4. VERTICAL DATUM BASED ON NAVD88.
5. AOC - AREA OF CONCERN
6. IA - INDOOR AIR
7. µg/m³ - MICROGRAMS PER CUBIC LITER
8. NYSDOH - NEW YORK STATE DEPARTMENT OF HEALTH
9. SSV - SUB-SLAB VAPOR
10. VOCs - VOLATILE ORGANIC COMPOUNDS
11. ALL SOIL VAPOR INTRUSION (SVI) SAMPLES WERE COLLECTED ON FEBRUARY 10, 2022.
12. 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.
13. ALL SVI SAMPLES WERE COMPARED TO THE NYSDOH CEH BEEI INVESTIGATION, SVI GUIDANCE, OCTOBER 2006, AMENDED MAY 2017 (MATRICES A, B, AND C).
14. ONLY DETECTED ANALYTES WITHIN THE NYSDOH MATRICES A, B, C, "MONITOR" OR "MITIGATE" ACTIONS ARE SHOWN.
15. LABORATORY ANALYTICAL DATA QUALIFIERS HAVE BEEN OMITTED. REFER TO THE DATA SUMMARY TABLES FOR DETAILS REGARDING QUALIFIERS.

Sample ID	ID
Sample Type:	SSV or IA
ANALYTE	NYSDOH Matrix
cis-1,2-Dichloroethene	A
Tetrachloroethene	B
Trichloroethene	A

0 60 120
SCALE: 1' = 60'
SHEET SIZE: 24" X 36"
(DRAWING MAY BE PRINTED AT REDUCED SIZE)

PROJECT: **FORMER STAR ANCHORS AND FASTENERS**
NYSDEC SITE NO. 336008
MOUNTAINVILLE, NEW YORK

TITLE: **SELECT SOIL VAPOR INTRUSION AIR SAMPLE RESULTS (FEBRUARY 2022)**

DRAWN BY:	H. DELGADO	PROJ. NO.:	336744.0000.0000
CHECKED BY:	J. KING	**FIGURE 2**	
APPROVED BY:	J. LAROCK		
DATE:	MARCH 2022		

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Phone: 518.688.3154
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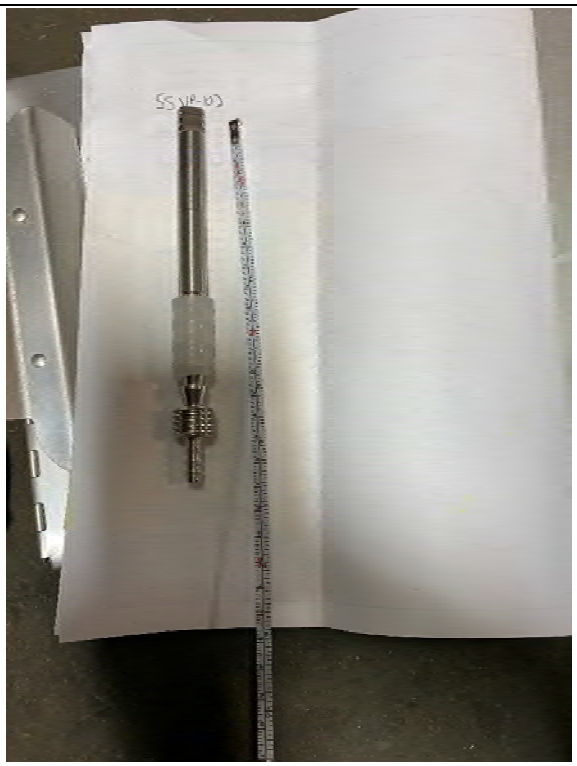
FILE NO.: Fig. 2 - Select SVI Air Samp. Res. (02.2022) (FSA&F).dwg

DRAWING NAME: B:\Star Anchors Site - 243377\Figures\TRC Working Drawings\ Fig. 2 - Select SVI Air Samp. Res. (02.2022) (FSA&F).dwg --- PLOT DATE: March 30, 2022 - 1:38PM --- LAYOUT: 24x36L

ATTACHMENT 1

PHOTOGRAPHIC LOG

Photo 1 **Date:** 2/9/2022 **Direction:** S **Photographer:** TS **Description:** View of permanent sub-slab vapor point SSVP-102 in Area of Concern (AOC) No. 7 building.	

Photo 2 **Date:** 2/9/2022 **Direction:** NA **Photographer:** TS **Description:** View of Vapor Pin® device prior to installation for permanent sub-slab point SSVP-102 in AOC No. 7 building.	

PHOTOGRAPHIC LOG

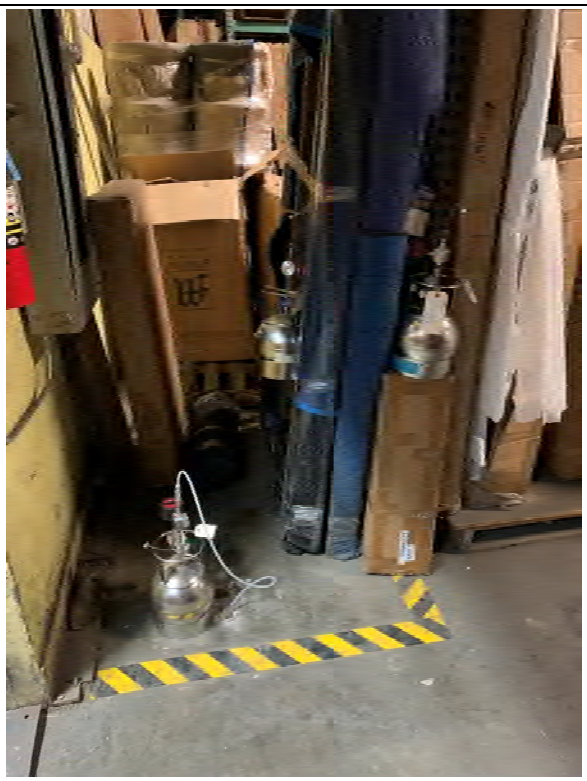
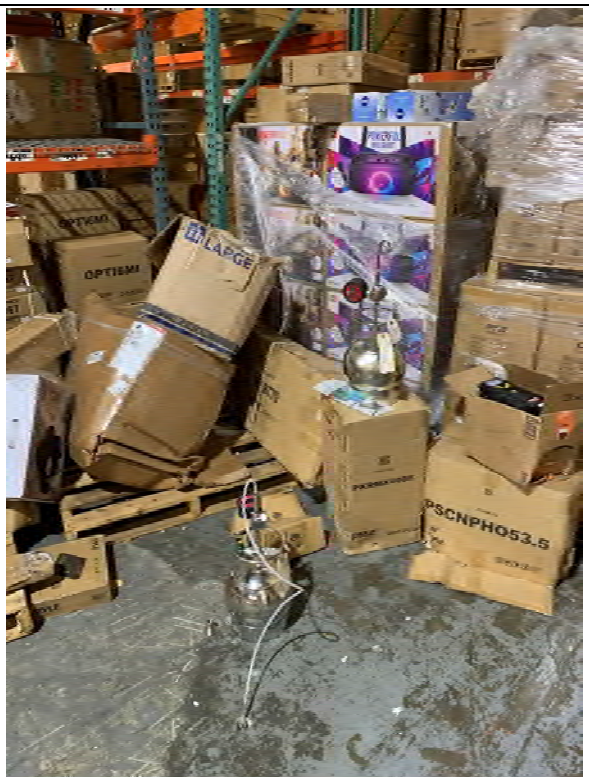
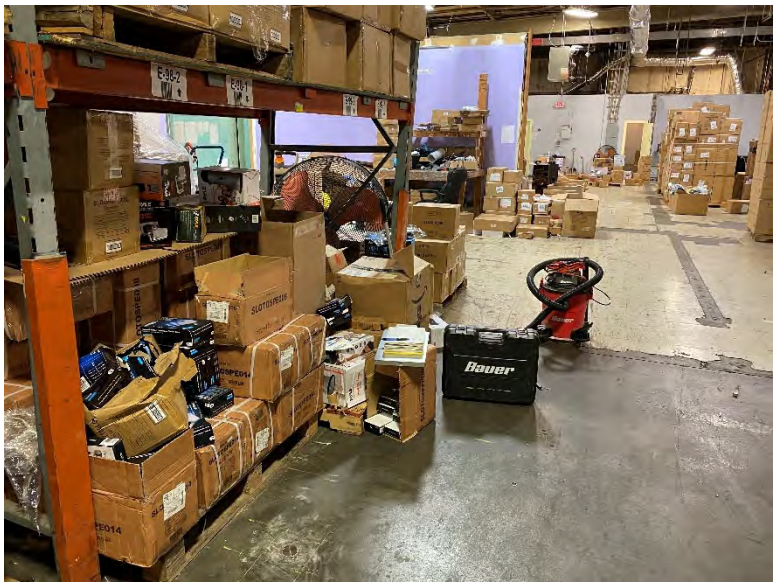
Photo 3 **Date:** 2/10/2022 **Direction:** S **Photographer:** AF **Description:** View of Summa air samplers at SSVP/IA-102 in AOC No. 7 building. Note duplicate indoor air sample collected adjacent to IA-102.	

Photo 4 **Date:** 2/9/2022 **Direction:** E **Photographer:** TS **Description:** View of Summa air samplers at SSVP/IA-103 in AOC No. 7 building.	

PHOTOGRAPHIC LOG

Photo 5 **Date:** 2/9/2022 **Direction:** N **Photographer:** TS **Description:** View of permanent sub-slab vapor point SSVP-104 in AOC No. 7 building.	

Photo 6 **Date:** 2/9/2022 **Direction:** NE **Photographer:** TS **Description:** View of permanent sub-slab vapor point SSVP-105 in AOC No. 7 building.	

PHOTOGRAPHIC LOG

Photo 7 **Date:** 2/9/2022 **Direction:** SE **Photographer:** TS **Description:** View of permanent sub-slab vapor point SSVP-106 in AOC No. 7 building.	

Photo 8 **Date:** 2/10/2022 **Direction:** NA **Photographer:** AF **Description:** View of multi-use cleaner deodorant in the break room of AOC No. 7 building.	

PHOTOGRAPHIC LOG

Photo 9 **Date:** 2/10/2022 **Direction:** NA **Photographer:** AF **Description:** View of bleach in the break room of AOC No. 7 building.	

Photo 10 **Date:** 2/10/2022 **Direction:** NA **Photographer:** AF **Description:** View of hand soap in the break room of AOC No. 7 building.	

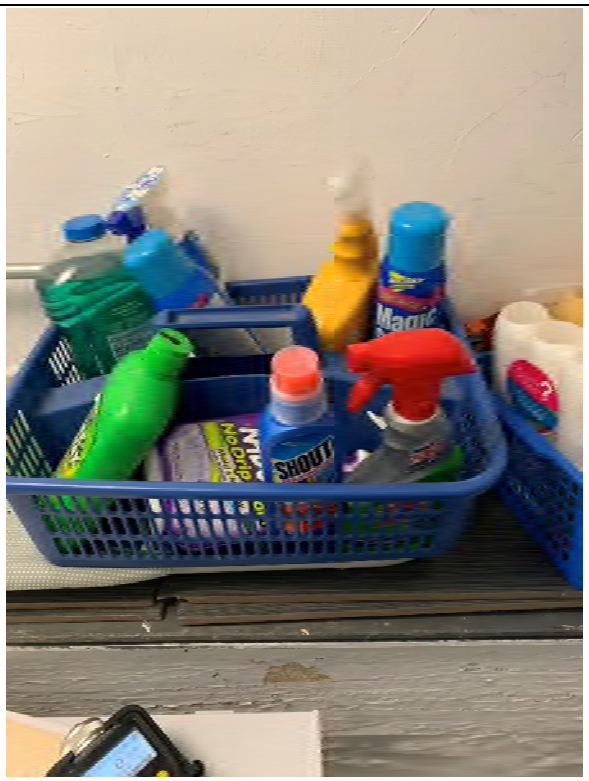
PHOTOGRAPHIC LOG

Photo 11 **Date:** 2/9/2022 **Direction:** E **Photographer:** TS **Description:** View of permanent sub-slab vapor point SSVP-107 adjacent to hot water heater in basement of AOC No. 8 building.	

Photo 12 **Date:** 2/9/2022 **Direction:** E **Photographer:** TS **Description:** View of heating oil tank in basement of AOC No. 8 building.	

PHOTOGRAPHIC LOG

Photo 13 **Date:** 2/9/2022 **Direction:** N **Photographer:** TS **Description:** View of laundry area in basement of AOC No. 8 building.	

Photo 14 **Date:** 2/10/2022 **Direction:** W **Photographer:** AF **Description:** View of various laundry products in basement of AOC No. 8 building.	

PHOTOGRAPHIC LOG

Photo 15 **Date:** 2/10/2022 **Direction:** W **Photographer:** AF **Description:** View of paint in basement of AOC No. 8 building.	

Photo 16 **Date:** 2/10/2022 **Direction:** W **Photographer:** AF **Description:** View of Clean Shower and various cleaning products in basement of AOC No. 8 building.	

ATTACHMENT 2

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Former Star Anchors and Fasteners Site Code: 336008 Operable Unit: 1

Building Code: Commercial Building Name: Area of Concern No. 7 Warehouse Buildi

Address: 20 Industry Drive Apt/Suite No:

City: Mountainville State: NY Zip: 10930 County: Orange

Contact Information

Preparer's Name: Andrew Fishman Phone No: (518) 348-1190

Preparer's Affiliation: TRC Engineers Company Code: TRC

Purpose of Investigation: Soil Vapor Intrusion Assessment Date of Inspection: Feb 10, 2022

Contact Name: Moses Friedlander Affiliation: MANAGER

Phone No: Alt. Phone No: Email:

Number of Occupants (total): 40 Number of Children: 0

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

Owner Name (if different): Ziggy Brach Owner Phone:

Owner Mailing Address: 1600 63rd Street Brooklyn, NY 11204-2713

Building Details

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

If Commercial or Industrial Facility, Select Operations: WAREHOUSE

If Residential Select Structure Type:

Number of Floors: 1 Approx. Year Construction: 1967 ☒ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

Warehouse with multiple bay doors which open and close to load/unload transport trucks throughout the day.

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): 0.5 Unit: FEET

Foundation Floor Material: POURED CONCRETE

Foundation Wall Material: CONCRETE BLOCK

Foundation Floor Thickness: 6

Foundation Wall Thickness:

Unit: INCHES

☐ Floor penetrations? Describe Floor Penetrations:

☐ Wall penetrations? Describe Wall Penetrations:

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

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

☐ 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: NONE Clothes Dryer Fuel Type: NO CLOTHES DRYER

Water Htr Vent Location: NONE Dryer Vent Location: NONE

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Area of Concern No. 7 Warehous Bldg Code: Commercial Date: Feb 10, 2022

Bldg Address: 20 Industry Drive Apt/Suite No:

Bldg City/State/Zip: Mountainville NY, 10930

Make and Model of PID: Honeywell ppbRAE 3000 PID 10.6 eV Date of Calibration: Feb 3, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Break Room	Chester Plastic Hand Soap	1 G	U	Sodium Laureth Sulfate, Cocamidopropyl Betaine, Sodium Chloride, Fragrance	95	☐
Break Room	Glass and Window Cleaner	1 G	U	Nonylphenol Ethoxylate, Propylene Glycol N-Propyl Ether, Fragrance	71	☐
Break Room	Multi-use Cleaner Deodorant	1 G	U	Ammonium Chloride	69	☐
Break Room	101 Bleach	1 G	U	Sodium Hypochlorite	73	☐
Warehouse	Windex	230 oz	U	2-Butoxyethanol, Ethylene glycol hexyl ether, Isopropyl Alcohol	0	☐
Front Office	Ice Melt	90 lb	UO	Calcium Chloride	0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* 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: Former Star Anchors and Fasteners Site Code: 336008 Operable Unit: 1

Building Code: Commercial Building Name: Area of Concern No. 7 Warehouse Buildin

Address: 20 Industry Drive Apt/Suite No:

City: Mountainville State: NY Zip: 10930 County: Orange

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: Windex, bathroom 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):

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used:

☐ Recent Pesticide/Rodenticide? Description of Last Use:

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

None.

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

☒ Any Prior Testing For VOCs? If So, When?: March 2017

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 45 °F

Current Building Use: WAREHOUSE Barometric Pressure: 29.83 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Commercial Address: 20 Industry Drive Mountainville, NY 10930

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: Feb 10, 2022

Date Samples Sent To Lab: Feb 11, 2022

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-101

SUMMA Canister Information

Sample ID:	AA-101	SSVP-101	IA-101	SSVP-102	IA-102
Location Code:	AA-101	SSVP-101	IA-101	SSVP-102	IA-102
Location Type:	OUTDOOR	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR
Canister ID:	2883	2702	2440	1667	772
Regulator ID:	0731	0273	01695	01449	0038
Matrix:	Ambient Outdoor A	Subslab Soil	Indoor Air	Subslab Soil	Indoor Air
Sampling Method:	SUMMA AIR SAMPLII	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA

Sampling Area Info

Slab Thickness (inches):		8		10	
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:	02/10/2022 7:45	02/10/2022	02/10/2022	02/10/2022	02/10/2022
Vacuum Gauge Start:	-30.6	-30.03	-30.02	-31.11	-30.32
Sample End Date/Time:	02/10/2022 15:4	02/10/2022	02/10/2022	02/10/2022	02/10/2022
Vacuum Gauge End:	-5.63	-9.06	-8.78	-8.65	-7.72
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:		44		0	
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: 20 Industry Drive Mountainville, NY 10930

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: Feb 10, 2022

Date Samples Sent To Lab: Feb 11, 2022

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-101

SUMMA Canister Information

Sample ID:	SSVP-103	IA-103	SSVP-104	IA-104	IA-DUP
Location Code:	SSVP-103	IA-103	SSVP-104	IA-104	IA-102
Location Type:	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR	FIRST FLOOR
Canister ID:	2060	3643	771	3575	3366
Regulator ID:	01485	02060	0323	0918	01578
Matrix:	Subslab Soil Vap	Indoor Air	Subslab Soil	Indoor Air	Indoor Air
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA

Sampling Area Info

Slab Thickness (inches):	8		6		
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:	02/10/2022 8:30	02/10/2022 8:	02/10/2022 8:	02/10/2022 8:	02/10/2022 7:
Vacuum Gauge Start:	-30.62	-29.31	-30.14	-30.09	-30.44
Sample End Date/Time:	02/10/2022 16:3	02/10/2022 16	02/10/2022 16	02/10/2022 16	02/10/2022 15
Vacuum Gauge End:	-7.53	-7.36	-8.45	-8.50	-12.98
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:	4,916		615		
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: 20 Industry Drive Mountainville, NY 10930

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: Feb 10, 2022

Date Samples Sent To Lab: Feb 11, 2022

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-101

SUMMA Canister Information

Sample ID:	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-107
Location Code:	SSVP-105	IA-105	SSVP-106	IA-106	SSVP-107
Location Type:	SUBSLAB	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	SUBSLAB
Canister ID:	3475	806	2939	3572	2682
Regulator ID:	01212	0722	0634	01553	01478
Matrix:	Subslab Soil Vap	Indoor Air	Subslab Soil	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):	10		8		2
Sub-Slab Material:	DIRT		DIRT		DIRT
Sub-Slab Moisture:	DRY		DRY		DRY
Seal Type:	MECHANICAL		MECHANICAL		TEFLON TAPE
Seal Adequate?:	☒	☐	☒	☐	☒

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/10/2022 8:48	02/10/2022 8:	02/10/2022 8:	02/10/2022 8:	02/10/2022 8:
Vacuum Gauge Start:	-30.42	-30.67	-30.12	-30.38	-30.36
Sample End Date/Time:	02/10/2022 16:4	02/10/2022 16	02/10/2022 16	02/10/2022 16	02/10/2022 16
Vacuum Gauge End:	-9.1	-7.97	-8.74	-9.50	-8.13
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:	1,259		230		24
Purge PID Unit:	ppb		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: 20 Industry Drive Mountainville, NY 10930

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: Feb 10, 2022

Date Samples Sent To Lab: Feb 11, 2022

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-101

SUMMA Canister Information

Sample ID:	IA-107	SSVP-108	IA-108		
Location Code:	IA-107	SSVP-108	IA-108		
Location Type:	BASEMENT	SUBSLAB	FIRST FLOOR		
Canister ID:	1808	630	3563		
Regulator ID:	0088	01566	01667		
Matrix:	Indoor Air	Subslab Soil	Indoor Air		
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA		

Sampling Area Info

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

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/10/2022 8:20	02/10/2022 8:	02/10/2022 8:		
Vacuum Gauge Start:	-30.24	-30.45	-30.25		
Sample End Date/Time:	02/10/2022 16:2	02/10/2022 16	02/10/2022 16		
Vacuum Gauge End:	-6.46	-6.91	-7.09		
Sample Duration (hrs):	8	8	8		
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)		

Sample QA/QC Readings

Vapor Port Purge:	☐	☒	☐	☐	☐
Purge PID Reading:		2,966			
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

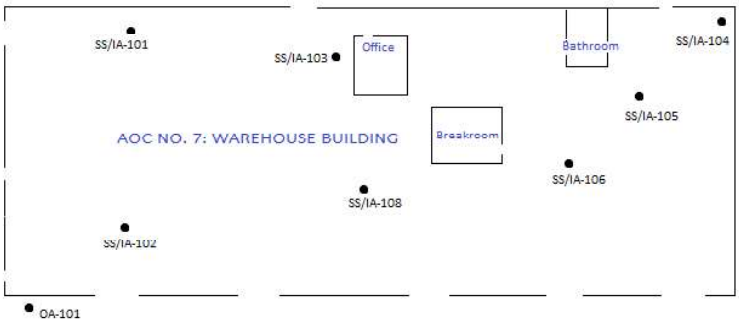
New York State Department of Environmental Conservation

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 Star Anchors and Fasteners Site
NYSDEC Site No. 336008
Building Layout Sketch



N

*Building sketch not drawn 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.
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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.

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Former Star Anchors and Fasteners | Site Code: 336008 | Operable Unit: 1

Building Code: Residential | Building Name: Area of Concern No. 8 Residential Structu

Address: 8 Creamery Hill Rd | Apt/Suite No:

City: Mountainville | State: NY | Zip: 10953 | County: Orange

Contact Information

Preparer's Name: Andrew Fishman | Phone No: (518) 348-1190

Preparer's Affiliation: TRC Engineers | Company Code: TRC

Purpose of Investigation: Soil Vapor Intrusion Assessment | Date of Inspection: Feb 10, 2022

Contact Name: Matt Babcock | Affiliation: TENANT

Phone No: (845) 820-7574 | Alt. Phone No: | Email:

Number of Occupants (total): 2 | Number of Children: 0

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

Owner Name (if different): Ziggy Brach | Owner Phone:

Owner Mailing Address: 1600 63rd Street Brooklyn, NY 11204-2713

Building Details

Bldg Type (Res/Com/Ind/Mixed): RESIDENTIAL | Bldg Size (S/M/L): SMALL

If Commercial or Industrial Facility, Select Operations:

If Residential Select Structure Type: SINGLE FAMILY RES

Number of Floors: 2 | Approx. Year Construction: 1980 | ☒ Building Insulated? | ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

House is closed up tight other than when entering through the front door.

Foundation Description

Foundation Type: BASEMENT | Foundation Depth (bgs): 8 | Unit: FEET

Foundation Floor Material: POURED CONCRETE

Foundation Wall Material: LAID-UP STONE

Foundation Floor Thickness: 12

Foundation Wall Thickness: 14

Unit: INCHES

☐ Floor penetrations? Describe Floor Penetrations:

☒ Wall penetrations? Describe Wall Penetrations: Clothes dryer vent

Basement is: UNFINISHED | Basement is: DRY | ☐ Sumps/Drains? | Water In Sump?:

Describe Foundation Condition (cracks, seepage, etc.) : Fair condition. No apparent cracks/leaks.

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

Heating/Cooling/Ventilation Systems

Heating System: FORCED AIR | Heat Fuel Type: OIL | ☐ Central A/C Present?

Vented Appliances

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

Water Htr Vent Location: | Dryer Vent Location: OUTSIDE

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Area of Concern No. 8 Bldg Code: Residential Date: Feb 10, 2022

Bldg Address: 8 Creamery Hill Rd Apt/Suite No:

Bldg City/State/Zip: Mountainville NY, 10953

Make and Model of PID: Honeywell ppbRAE PID 10.6 eV Date of Calibration: Feb 3, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Basement	Lime-Away	28 oz	U	Nitric Acid, Citric Acid	0	☐
Basement	Spray Wash	30 oz	U	Alcohols C12-16 Ethoxylated, Disodium tetraborate decahydrate	0	☐
Basement	Shout	9 oz	U	Poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-,phosphate	0	☐
Basement	Mr. Clean	40 oz	U	Sodium hydroxide, Alcohol ethoxylates (nonionic surfactants)	0	☐
Basement	Clean Shower	32 oz	U	Ethanolamine	0	☐
Basement	Tide Detergent	10 G	U	Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-,	0	☐
Basement	Heating Oil	250 G	U	Petroleum	0	☐
Basement	Valspar White Paint	1 G	U	Calcium Carbonate, Titanium Dioxide, Ethylene Glycol	**0**	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* 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? No ☐ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Former Star Anchors and Fasteners Site Code: 336008 Operable Unit: 1

Building Code: Residential Building Name: Area of Concern No. 8

Address: 8 Creamery Hill Rd Apt/Suite No:

City: Mountainville State: NY Zip: 10953 County: Orange

Factors Affecting Indoor Air Quailty

Frequency Basement/Lowest Level is Occupied?: OCCASIONALLY 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: Northern wall

☒ Cleaning Products Used Recently?: Description of Cleaning Products: Antibacterial, laundry detergents, stain

☐ 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):

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used:

☐ Recent Pesticide/Rodenticide? Description of Last Use:

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

Laundry machines (washer and dryer) and heating oil tank in basement.

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

☒ Any Prior Testing For VOCs? If So, When?: January 2006

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 45 °F

Current Building Use: SINGLE FAMILY RES Barometric Pressure: 29.83 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: Residential Address: 8 Creamery Hill Rd Mountainville, NY 10953

Sampling Information

Sampler Name(s): Andrew Fishman

Sampler Company Code: TRC

Sample Collection Date: Feb 10, 2022

Date Samples Sent To Lab: Feb 11, 2022

Sample Chain of Custody Number: See Sample Logs

Outdoor Air Sample Location ID: AA-101

SUMMA Canister Information

Sample ID:	SSVP-107	IA-107			
Location Code:	SSVP-107	IA-107			
Location Type:	SUBSLAB	BASEMENT			
Canister ID:	2682	1808			
Regulator ID:	01478	0088			
Matrix:	Subslab Soil Vapo	Indoor Air			
Sampling Method:	SUMMA AIR SAMPLIN	SUMMA AIR SAM			

Sampling Area Info

Slab Thickness (inches):	2				
Sub-Slab Material:	DIRT				
Sub-Slab Moisture:	DRY				
Seal Type:	MECHANICAL				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/10/2022 8:19	02/10/2022 8			
Vacuum Gauge Start:	-30.36	-30.24			
Sample End Date/Time:	02/10/2022 16:20	02/10/2022 16			
Vacuum Gauge End:	-8.13	-6.46			
Sample Duration (hrs):	8	8			
Vacuum Gauge Unit:	in(hg)	in(hg)			

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	24				
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 .
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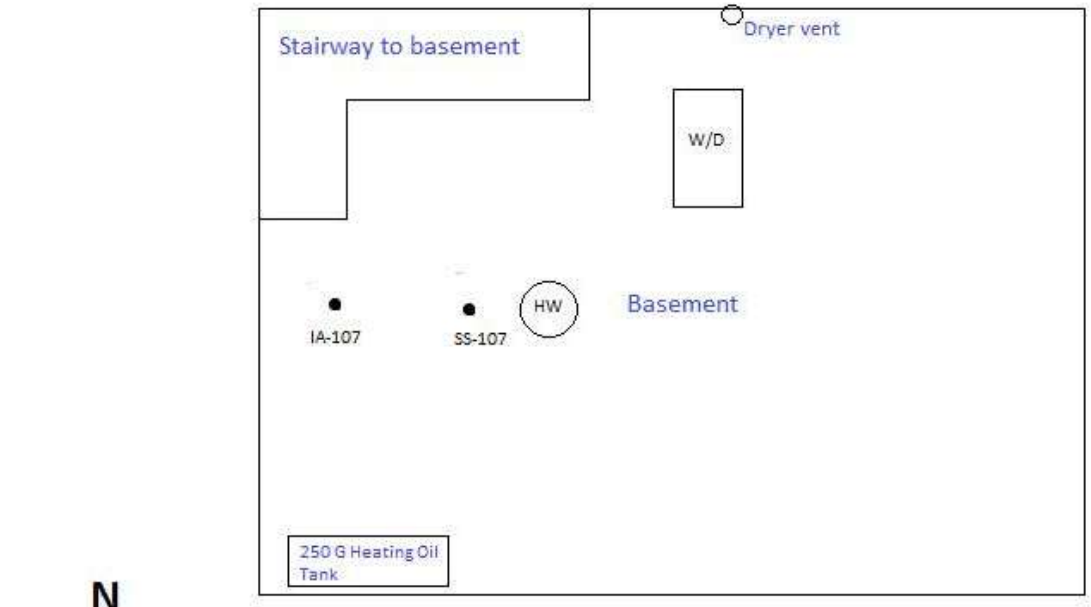
Clear Image

Former Star Anchors and Fasteners
NYSDEC Site No. 336008
Residential Building (Area of Concern No. 8) Sketch



*Building sketch not drawn 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.
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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

Design Sketch

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WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
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@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

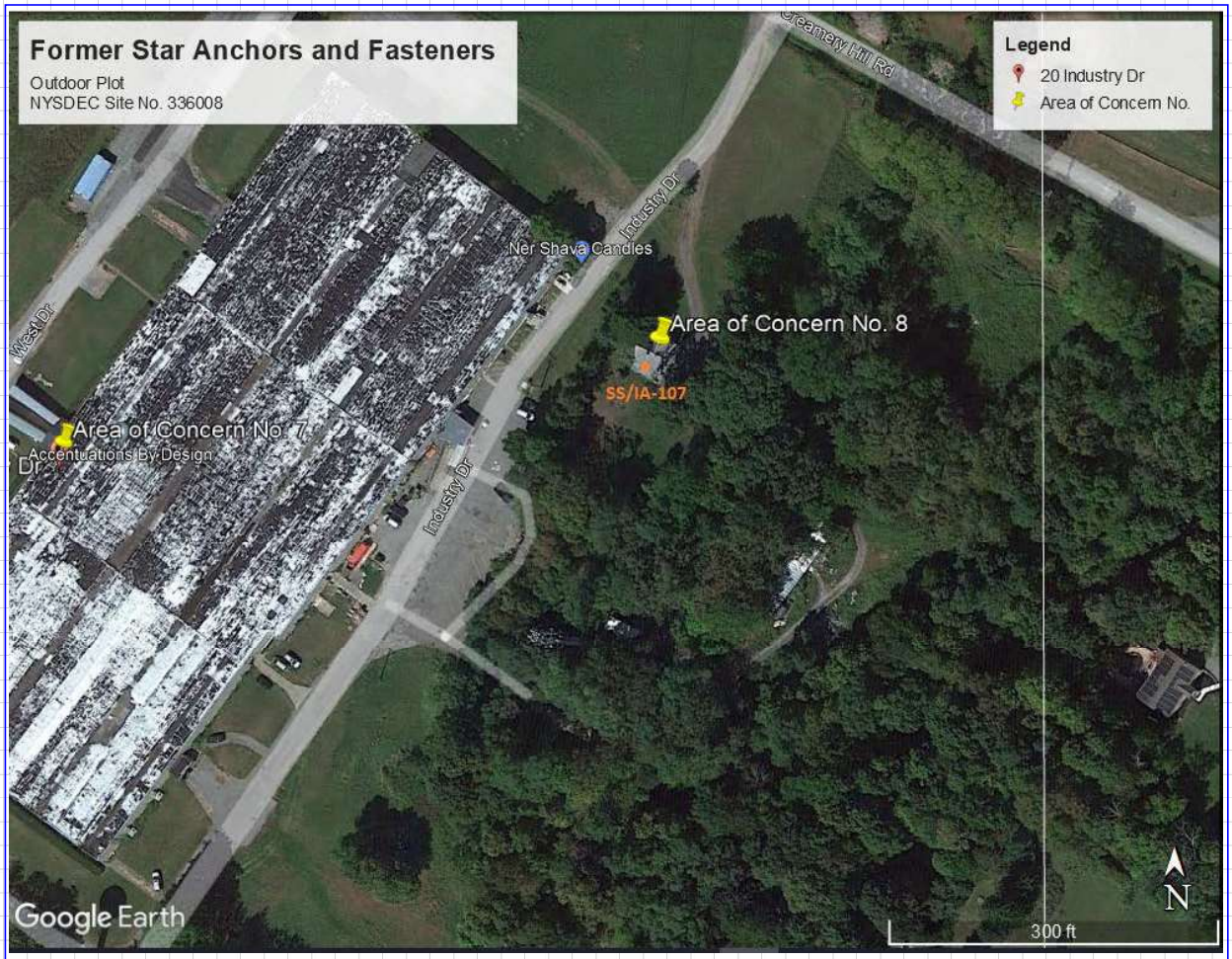
Structure Sampling Questionnaire and Building Inventory

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

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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: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	15:50	13.4	%	
Sampling Train	15:55	75	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): Purged via break fluid bleeder hand pump **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.: 2702 **Flow Controller I.D.:** 0273

Start Time: 7:59 **Initial Vacuum Pressure in Sample Canister:** -30.03 in Hg

Stop Time: 16:00 **Final Vacuum Pressure in Sample Canister:** -9.06 in Hg

Sample I.D.: SSVP-101 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 44 ppb **Slab Thickness:** 8 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 2440 **Flow Controller I.D.:** 01695

Start Time: 8:00 **Initial Vacuum Pressure in Sample Canister:** -30.02 in Hg

Stop Time: 16:01 **Final Vacuum Pressure in Sample Canister:** -8.78 in Hg

Sample I.D.: IA-101 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 40 inches

AMBIENT AIR SAMPLING

Canister I.D.: 2883 **Flow Controller I.D.:** 0731

Start Time: 7:45 **Initial Vacuum Pressure in Sample Canister:** -30.60 in Hg

Stop Time: 15:45 **Final Vacuum Pressure in Sample Canister:** -5.63 in Hg

Sample I.D.: AA-101 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 40 inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	15:45	13.2	%	
Sampling Train	15:50	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): Purged via break fluid bleeder hand pump **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.: 1667 **Flow Controller I.D.:** 01449

Start Time: 7:54 **Initial Vacuum Pressure in Sample Canister:** -31.11 in Hg

Stop Time: 15:55 **Final Vacuum Pressure in Sample Canister:** -8.65 in Hg

Sample I.D.: SSVP-102 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Slab Thickness:** 10 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 772 **Flow Controller I.D.:** 0038

Start Time: 7:55 **Initial Vacuum Pressure in Sample Canister:** -30.32 in Hg

Stop Time: 15:56 **Final Vacuum Pressure in Sample Canister:** -7.72 in Hg

Sample I.D.: IA-102 **Laboratory:** Alpha Analytical

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

DUPLICATE INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3366 **Flow Controller I.D.:** 01578

Start Time: 7:56 **Initial Vacuum Pressure in Sample Canister:** -30.44 in Hg

Stop Time: 15:57 **Final Vacuum Pressure in Sample Canister:** -12.98 in Hg

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

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

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	16:05	15.1	%	
Sampling Train	16:10	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): Purged via break fluid bleeder hand pump **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.: 2060 **Flow Controller I.D.:** 01485

Start Time: 8:30 **Initial Vacuum Pressure in Sample Canister:** -30.62 in Hg

Stop Time: 16:31 **Final Vacuum Pressure in Sample Canister:** -7.53 in Hg

Sample I.D.: SSVP-103 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 4,916 ppb **Slab Thickness:** 8 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3643 **Flow Controller I.D.:** 02060

Start Time: 8:31 **Initial Vacuum Pressure in Sample Canister:** -29.31 in Hg

Stop Time: 16:32 **Final Vacuum Pressure in Sample Canister:** -7.36 in Hg

Sample I.D.: IA-103 **Laboratory:** Alpha Analytical

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

DUPLICATE 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:** inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	16:25	15.7	%	
Sampling Train	16:30	100	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): Purged via break fluid bleeder hand pump **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.: 771 **Flow Controller I.D.:** 0323

Start Time: 8:54 **Initial Vacuum Pressure in Sample Canister:** -30.14 in Hg

Stop Time: 16:55 **Final Vacuum Pressure in Sample Canister:** -8.45 in Hg

Sample I.D.: SSVP-104 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 615 ppb **Slab Thickness:** 6 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3575 **Flow Controller I.D.:** 0918

Start Time: 8:53 **Initial Vacuum Pressure in Sample Canister:** -30.09 in Hg

Stop Time: 16:53 **Final Vacuum Pressure in Sample Canister:** -8.50 in Hg

Sample I.D.: IA-104 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 71 ppb **Sample Intake Height:** 40 inches

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:** inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	16:20	14.7	%	
Sampling Train	16:25	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): Purged via break fluid bleeder hand pump **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.: 3475 **Flow Controller I.D.:** 01212

Start Time: 8:48 **Initial Vacuum Pressure in Sample Canister:** -30.42 in Hg

Stop Time: 16:49 **Final Vacuum Pressure in Sample Canister:** -9.10 in Hg

Sample I.D.: SSVP-105 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 1,259 ppb **Slab Thickness:** 10 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 806 **Flow Controller I.D.:** 0722

Start Time: 8:49 **Initial Vacuum Pressure in Sample Canister:** -30.67 in Hg

Stop Time: 16:50 **Final Vacuum Pressure in Sample Canister:** -7.97 in Hg

Sample I.D.: IA-105 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 81 ppb **Sample Intake Height:** 36 inches

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:** inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	16:15	11.3	%	
Sampling Train	16:20	575	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 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): Purged via break fluid bleeder hand pump **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.: 2939 **Flow Controller I.D.:** 0634

Start Time: 8:44 **Initial Vacuum Pressure in Sample Canister:** -30.12 in Hg

Stop Time: 16:45 **Final Vacuum Pressure in Sample Canister:** -8.74 in Hg

Sample I.D.: SSVP-106 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 230 ppb **Slab Thickness:** 8 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3572 **Flow Controller I.D.:** 01553

Start Time: 8:45 **Initial Vacuum Pressure in Sample Canister:** -30.38 in Hg

Stop Time: 16:46 **Final Vacuum Pressure in Sample Canister:** -9.50 in Hg

Sample I.D.: IA-106 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 120 ppb **Sample Intake Height:** 48 inches

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:** inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	15:25	5	%	
Sampling Train	15:30	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): Purged via break fluid bleeder hand pump **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.: 2682 **Flow Controller I.D.:** 01478

Start Time: 8:19 **Initial Vacuum Pressure in Sample Canister:** -30.36 in Hg

Stop Time: 16:20 **Final Vacuum Pressure in Sample Canister:** -8.13 in Hg

Sample I.D.: SSVP-107 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 24 ppb **Slab Thickness:** 2 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 1808 **Flow Controller I.D.:** 0088

Start Time: 8:20 **Initial Vacuum Pressure in Sample Canister:** -30.24 in Hg

Stop Time: 16:21 **Final Vacuum Pressure in Sample Canister:** -6.46 in Hg

Sample I.D.: IA-107 **Laboratory:** Alpha Analytical

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

DUPLICATE 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:** inches

RECORD OF VAPOR SAMPLING

Date: 2/10/2022 **TRC Project Number** 336744.0000.0000

Project Name: Former Star Anchors **Field Personnel:** Andrew Fishman

Weather: ~45 F Clear ; Barometric pressure: 30.20" Hg

HELIUM TRACER TEST (shroud)

Test	Time	Helium Concentration	Units (% or ppm_v)	Notes
Shroud Atmosphere	16:10	12.7	%	
Sampling Train	16:15	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): Purged via break fluid bleeder hand pump **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.: 630 **Flow Controller I.D.:** 01566

Start Time: 8:34 **Initial Vacuum Pressure in Sample Canister:** -30.45 in Hg

Stop Time: 16:35 **Final Vacuum Pressure in Sample Canister:** -6.91 in Hg

Sample I.D.: SSVP-108 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 2,966 ppb **Slab Thickness:** 8 inches

INDOOR AMBIENT AIR SAMPLING

Canister I.D.: 3563 **Flow Controller I.D.:** 01667

Start Time: 8:35 **Initial Vacuum Pressure in Sample Canister:** -30.25 in Hg

Stop Time: 16:36 **Final Vacuum Pressure in Sample Canister:** -7.09 in Hg

Sample I.D.: IA-108 **Laboratory:** Alpha Analytical

PID Reading (Sample Train): 0 ppb **Sample Intake Height:** 48 inches

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:** inches

ATTACHMENT 4

ANALYTICAL REPORT

Lab Number:	L2207379
Client:	TRC Solutions 10 Maxwell Drive Suite 200 Clifton Park, NY 12065
ATTN:	Justin King
Phone:	(518) 688-3109
Project Name:	STAR ANCHORS + FASTENERS
Project Number:	336744.2022
Report Date:	03/02/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), 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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2207379-01	SSVP-101	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:00	02/11/22
L2207379-02	IA-101	AIR	MOUNTAINVILLE, NY	02/10/22 16:01	02/11/22
L2207379-03	SSVP-102	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 15:55	02/11/22
L2207379-04	IA-102	AIR	MOUNTAINVILLE, NY	02/10/22 15:56	02/11/22
L2207379-05	IA-DUP	AIR	MOUNTAINVILLE, NY	02/10/22 15:57	02/11/22
L2207379-06	SSVP-103	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:31	02/11/22
L2207379-07	IA-103	AIR	MOUNTAINVILLE, NY	02/10/22 16:32	02/11/22
L2207379-08	SSVP-104	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:55	02/11/22
L2207379-09	IA-104	AIR	MOUNTAINVILLE, NY	02/10/22 16:53	02/11/22
L2207379-10	SSVP-105	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:49	02/11/22
L2207379-11	IA-105	AIR	MOUNTAINVILLE, NY	02/10/22 16:50	02/11/22
L2207379-12	SSVP-106	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:45	02/11/22
L2207379-13	IA-106	AIR	MOUNTAINVILLE, NY	02/10/22 16:46	02/11/22
L2207379-14	SSVP-107	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:20	02/11/22
L2207379-15	IA-107	AIR	MOUNTAINVILLE, NY	02/10/22 16:21	02/11/22
L2207379-16	AA-101	AIR	MOUNTAINVILLE, NY	02/10/22 15:45	02/11/22
L2207379-17	SSVP-108	SOIL_VAPOR	MOUNTAINVILLE, NY	02/10/22 16:35	02/11/22
L2207379-18	IA-108	AIR	MOUNTAINVILLE, NY	02/10/22 16:36	02/11/22
L2207379-19	UNUSED_CAN3291	AIR	MOUNTAINVILLE, NY		02/11/22

Project Name:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

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:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 3, 2022. The canister certification results are provided as an addendum.

L2207379-06D: 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.

L2207379-12D2: 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.

L2207379-12D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2207379-17D: 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.

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: 03/02/22

AIR

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-01
Client ID: SSVP-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:00
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 10:15
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	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	17.6	5.00	--	33.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.6	1.00	--	29.9	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	0.904	0.500	--	2.22	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.561	0.500	--	1.70	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.344	0.200	--	1.07	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	0.851	0.500	--	2.51	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-01
Client ID: SSVP-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:00
Date Received: 02/11/22
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	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.328	0.200	--	1.16	0.705	--		1
1,1,1-Trichloroethane	1.63	0.200	--	8.89	1.09	--		1
Benzene	0.256	0.200	--	0.818	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.248	0.200	--	0.854	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	4.93	0.200	--	26.5	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	3.09	0.200	--	11.6	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	1.32	0.200	--	8.95	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.569	0.200	--	2.47	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-01
Client ID: SSVP-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:00
Date Received: 02/11/22
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	2.93	0.400	--	12.7	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	0.988	0.200	--	4.29	0.869	--		1
4-Ethyltoluene	0.205	0.200	--	1.01	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.955	0.200	--	4.69	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	101		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-02
Client ID: IA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:01
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 17:20
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.555	0.200	--	2.74	0.989	--		1
Chloromethane	0.564	0.200	--	1.16	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	10.1	5.00	--	19.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.62	1.00	--	18.1	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	0.915	0.500	--	2.25	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	1.55	0.500	--	4.57	1.47	--		1
Ethyl Acetate	0.682	0.500	--	2.46	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-02
Client ID: IA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:01
Date Received: 02/11/22
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	ND	0.200	--	ND	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	1.81	0.200	--	6.82	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	0.594	0.200	--	2.58	0.869	--		1
p/m-Xylene	3.04	0.400	--	13.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.726	0.200	--	3.09	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.72	0.200	--	7.47	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-02
Client ID: IA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:01
Date Received: 02/11/22
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	0.274	0.200	--	1.35	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-02
Client ID: IA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:01
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 17:20
Analyst: TS

	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	0.167	0.020	--	0.897	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-03
Client ID: SSVP-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:55
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 00:43
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.539	0.200	--	2.67	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	14.5	5.00	--	27.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.99	1.00	--	14.2	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	0.805	0.500	--	1.98	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	2.29	0.500	--	6.75	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-03
Client ID: SSVP-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:55
Date Received: 02/11/22
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	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.904	0.500	--	2.67	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	0.287	0.200	--	1.57	1.09	--		1
Benzene	0.275	0.200	--	0.879	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	2.18	0.200	--	11.7	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.229	0.200	--	0.938	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	4.15	0.200	--	15.6	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	1.66	0.200	--	11.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.828	0.200	--	3.60	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-03
Client ID: SSVP-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:55
Date Received: 02/11/22
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	4.41	0.400	--	19.2	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	1.40	0.200	--	6.08	0.869	--		1
4-Ethyltoluene	0.385	0.200	--	1.89	0.983	--		1
1,3,5-Trimethylbenzene	0.331	0.200	--	1.63	0.983	--		1
1,2,4-Trimethylbenzene	1.46	0.200	--	7.18	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-04
Client ID: IA-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:56
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 17:59
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.521	0.200	--	2.58	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	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	11.0	5.00	--	20.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.49	1.00	--	17.8	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	0.987	0.500	--	2.43	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	1.58	0.500	--	4.66	1.47	--		1
Ethyl Acetate	0.624	0.500	--	2.25	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-04
Client ID: IA-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:56
Date Received: 02/11/22
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	ND	0.200	--	ND	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	3.03	0.200	--	11.4	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	0.505	0.200	--	2.19	0.869	--		1
p/m-Xylene	2.55	0.400	--	11.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.629	0.200	--	2.68	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.41	0.200	--	6.12	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-04
Client ID: IA-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:56
Date Received: 02/11/22
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	0.247	0.200	--	1.21	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-04
Client ID: IA-102
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:56
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 17:59
Analyst: TS

	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	0.020	0.020	--	0.079	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.152	0.020	--	0.817	0.107	--		1
Tetrachloroethene	0.046	0.020	--	0.312	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-05
Client ID: IA-DUP
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:57
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 18:40
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	0.568	0.200	--	1.17	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	11.4	5.00	--	21.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.39	1.00	--	19.9	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	0.935	0.500	--	2.30	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	1.68	0.500	--	4.95	1.47	--		1
Ethyl Acetate	0.693	0.500	--	2.50	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-05
Client ID: IA-DUP
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:57
Date Received: 02/11/22
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	ND	0.200	--	ND	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	2.66	0.200	--	10.0	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	0.550	0.200	--	2.39	0.869	--		1
p/m-Xylene	2.65	0.400	--	11.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.622	0.200	--	2.65	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.52	0.200	--	6.60	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-05
Client ID: IA-DUP
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:57
Date Received: 02/11/22
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	0.246	0.200	--	1.21	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-05
Client ID: IA-DUP
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:57
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 18:40
Analyst: TS

	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	0.171	0.020	--	0.919	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-06
Client ID: SSVP-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:31
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 01:21
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.200	--	2.27	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	95.3	5.00	--	180	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1600	1.00	--	3800	2.38	--	E	1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	926	0.500	--	2280	1.23	--	E	1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.821	0.500	--	2.49	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.234	0.200	--	0.729	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	1.93	0.500	--	5.69	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-06
Client ID: SSVP-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:31
Date Received: 02/11/22
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	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.229	0.200	--	0.807	0.705	--		1
1,1,1-Trichloroethane	1.54	0.200	--	8.40	1.09	--		1
Benzene	0.373	0.200	--	1.19	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	4.53	0.200	--	24.3	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.270	0.200	--	1.11	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	5.04	0.200	--	19.0	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	1.07	0.200	--	7.26	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.993	0.200	--	4.31	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-06
Client ID: SSVP-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:31
Date Received: 02/11/22
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	4.74	0.400	--	20.6	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	2.99	0.200	--	13.0	0.869	--		1
4-Ethyltoluene	0.418	0.200	--	2.05	0.983	--		1
1,3,5-Trimethylbenzene	0.392	0.200	--	1.93	0.983	--		1
1,2,4-Trimethylbenzene	1.69	0.200	--	8.31	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-06 D
Client ID: SSVP-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:31
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 09:37
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Acetone	2340	12.5	--	5560	29.7	--		12.5
Isopropanol	941	6.25	--	2310	15.4	--		12.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-07
Client ID: IA-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:32
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 19:19
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	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	14.4	5.00	--	27.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.54	1.00	--	22.7	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	1.81	0.500	--	4.45	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	4.66	0.500	--	13.7	1.47	--		1
Ethyl Acetate	0.696	0.500	--	2.51	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-07
Client ID: IA-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:32
Date Received: 02/11/22
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	ND	0.200	--	ND	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	4.64	0.200	--	17.5	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	0.544	0.200	--	2.36	0.869	--		1
p/m-Xylene	2.46	0.400	--	10.7	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.504	0.200	--	2.15	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.29	0.200	--	5.60	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-07
Client ID: IA-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:32
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-07
Client ID: IA-103
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:32
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 19:19
Analyst: TS

	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	0.080	0.020	--	0.317	0.079	--		1
1,1,1-Trichloroethane	0.020	0.020	--	0.109	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	0.730	0.020	--	3.92	0.107	--		1
Tetrachloroethene	0.073	0.020	--	0.495	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-08
Client ID: SSVP-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:55
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 02:00
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--		1
Chloromethane	0.265	0.200	--	0.547	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.273	0.200	--	0.698	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	40.8	5.00	--	76.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	25.2	1.00	--	59.9	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	3.19	0.500	--	7.84	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	0.370	0.200	--	1.15	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	1.20	0.500	--	3.54	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-08
Client ID: SSVP-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:55
Date Received: 02/11/22
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	1.05	0.200	--	5.13	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.659	0.200	--	2.32	0.705	--		1
1,1,1-Trichloroethane	0.208	0.200	--	1.13	1.09	--		1
Benzene	0.685	0.200	--	2.19	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	1.16	0.200	--	6.23	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.519	0.200	--	2.13	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	10.0	0.200	--	37.7	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	1.72	0.200	--	11.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.32	0.200	--	5.73	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-08
Client ID: SSVP-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:55
Date Received: 02/11/22
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	6.18	0.400	--	26.8	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	1.95	0.200	--	8.47	0.869	--		1
4-Ethyltoluene	0.814	0.200	--	4.00	0.983	--		1
1,3,5-Trimethylbenzene	0.490	0.200	--	2.41	0.983	--		1
1,2,4-Trimethylbenzene	2.32	0.200	--	11.4	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-09
Client ID: IA-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:53
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 19:58
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.525	0.200	--	2.60	0.989	--		1
Chloromethane	0.567	0.200	--	1.17	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	33.0	5.00	--	62.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.0	1.00	--	35.6	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	6.93	0.500	--	17.0	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.540	0.500	--	1.88	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.624	0.200	--	1.94	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	13.2	0.500	--	38.9	1.47	--		1
Ethyl Acetate	1.60	0.500	--	5.77	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-09
Client ID: IA-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:53
Date Received: 02/11/22
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	0.692	0.200	--	2.80	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	14.2	0.200	--	53.5	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	1.59	0.200	--	6.91	0.869	--		1
p/m-Xylene	6.27	0.400	--	27.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.34	0.200	--	5.71	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.17	0.200	--	13.8	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-09
Client ID: IA-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:53
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-09
Client ID: IA-104
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:53
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 19:58
Analyst: TS

	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	0.130	0.020	--	0.515	0.079	--		1
1,1,1-Trichloroethane	0.034	0.020	--	0.186	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	2.03	0.020	--	10.9	0.107	--		1
Tetrachloroethene	0.300	0.020	--	2.03	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-10
Client ID: SSVP-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:49
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 02:39
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.200	--	2.48	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	298	5.00	--	562	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	68.0	1.00	--	162	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	7.01	0.500	--	17.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.26	0.500	--	6.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.797	0.200	--	2.48	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	2.36	0.500	--	6.96	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-10
Client ID: SSVP-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:49
Date Received: 02/11/22
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	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.17	0.500	--	6.40	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.559	0.200	--	1.97	0.705	--		1
1,1,1-Trichloroethane	1.96	0.200	--	10.7	1.09	--		1
Benzene	0.384	0.200	--	1.23	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	0.227	0.200	--	0.818	0.721	--		1
Trichloroethene	3.86	0.200	--	20.7	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.410	0.200	--	1.68	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	4.79	0.200	--	18.1	0.754	--		1
2-Hexanone	0.216	0.200	--	0.885	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	9.74	0.200	--	66.0	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.839	0.200	--	3.64	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-10
Client ID: SSVP-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:49
Date Received: 02/11/22
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	4.14	0.400	--	18.0	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	1.35	0.200	--	5.86	0.869	--		1
4-Ethyltoluene	0.774	0.200	--	3.81	0.983	--		1
1,3,5-Trimethylbenzene	0.376	0.200	--	1.85	0.983	--		1
1,2,4-Trimethylbenzene	1.73	0.200	--	8.50	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	102		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-11
Client ID: IA-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:50
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 21:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.536	0.200	--	2.65	0.989	--		1
Chloromethane	0.565	0.200	--	1.17	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	25.2	5.00	--	47.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.7	1.00	--	34.9	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	4.47	0.500	--	11.0	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	0.486	0.200	--	1.51	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	12.2	0.500	--	36.0	1.47	--		1
Ethyl Acetate	1.48	0.500	--	5.33	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-11
Client ID: IA-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:50
Date Received: 02/11/22
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	0.340	0.200	--	1.38	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	11.4	0.200	--	43.0	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	1.10	0.200	--	4.78	0.869	--		1
p/m-Xylene	4.82	0.400	--	20.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.12	0.200	--	4.77	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.44	0.200	--	10.6	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-11
Client ID: IA-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:50
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-11
Client ID: IA-105
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:50
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 21:16
Analyst: TS

	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	0.115	0.020	--	0.456	0.079	--		1
1,1,1-Trichloroethane	0.026	0.020	--	0.142	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	1.61	0.020	--	8.65	0.107	--		1
Tetrachloroethene	0.198	0.020	--	1.34	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-12 D
Client ID: SSVP-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:45
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 04:34
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	37.0	--	ND	183	--		185.2
Chloromethane	ND	37.0	--	ND	76.4	--		185.2
Freon-114	ND	37.0	--	ND	259	--		185.2
Vinyl chloride	ND	37.0	--	ND	94.6	--		185.2
1,3-Butadiene	ND	37.0	--	ND	81.9	--		185.2
Bromomethane	ND	37.0	--	ND	144	--		185.2
Chloroethane	ND	37.0	--	ND	97.6	--		185.2
Ethanol	ND	926	--	ND	1740	--		185.2
Vinyl bromide	ND	37.0	--	ND	162	--		185.2
Acetone	ND	185.	--	ND	439	--		185.2
Trichlorofluoromethane	ND	37.0	--	ND	208	--		185.2
Isopropanol	ND	92.6	--	ND	228	--		185.2
1,1-Dichloroethene	ND	37.0	--	ND	147	--		185.2
Tertiary butyl Alcohol	ND	92.6	--	ND	281	--		185.2
Methylene chloride	ND	92.6	--	ND	322	--		185.2
3-Chloropropene	ND	37.0	--	ND	116	--		185.2
Carbon disulfide	ND	37.0	--	ND	115	--		185.2
Freon-113	ND	37.0	--	ND	284	--		185.2
trans-1,2-Dichloroethene	ND	37.0	--	ND	147	--		185.2
1,1-Dichloroethane	ND	37.0	--	ND	150	--		185.2
Methyl tert butyl ether	ND	37.0	--	ND	133	--		185.2
2-Butanone	ND	92.6	--	ND	273	--		185.2
cis-1,2-Dichloroethene	ND	37.0	--	ND	147	--		185.2

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-12 D
Client ID: SSVP-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:45
Date Received: 02/11/22
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	92.6	--	ND	334	--		185.2
Chloroform	ND	37.0	--	ND	181	--		185.2
Tetrahydrofuran	ND	92.6	--	ND	273	--		185.2
1,2-Dichloroethane	ND	37.0	--	ND	150	--		185.2
n-Hexane	1140	37.0	--	4020	130	--		185.2
1,1,1-Trichloroethane	84.4	37.0	--	460	202	--		185.2
Benzene	ND	37.0	--	ND	118	--		185.2
Carbon tetrachloride	ND	37.0	--	ND	233	--		185.2
Cyclohexane	240	37.0	--	826	127	--		185.2
1,2-Dichloropropane	ND	37.0	--	ND	171	--		185.2
Bromodichloromethane	ND	37.0	--	ND	248	--		185.2
1,4-Dioxane	ND	37.0	--	ND	133	--		185.2
Trichloroethene	3090	37.0	--	16600	199	--		185.2
2,2,4-Trimethylpentane	1180	37.0	--	5510	173	--		185.2
Heptane	179	37.0	--	734	152	--		185.2
cis-1,3-Dichloropropene	ND	37.0	--	ND	168	--		185.2
4-Methyl-2-pentanone	ND	92.6	--	ND	379	--		185.2
trans-1,3-Dichloropropene	ND	37.0	--	ND	168	--		185.2
1,1,2-Trichloroethane	ND	37.0	--	ND	202	--		185.2
Toluene	ND	37.0	--	ND	139	--		185.2
2-Hexanone	ND	37.0	--	ND	152	--		185.2
Dibromochloromethane	ND	37.0	--	ND	315	--		185.2
1,2-Dibromoethane	ND	37.0	--	ND	284	--		185.2
Tetrachloroethene	25600	37.0	--	174000	251	--	E	185.2
Chlorobenzene	ND	37.0	--	ND	170	--		185.2
Ethylbenzene	ND	37.0	--	ND	161	--		185.2

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-12 D
Client ID: SSVP-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:45
Date Received: 02/11/22
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	ND	74.1	--	ND	322	--		185.2
Bromoform	ND	37.0	--	ND	383	--		185.2
Styrene	ND	37.0	--	ND	158	--		185.2
1,1,2,2-Tetrachloroethane	ND	37.0	--	ND	254	--		185.2
o-Xylene	ND	37.0	--	ND	161	--		185.2
4-Ethyltoluene	ND	37.0	--	ND	182	--		185.2
1,3,5-Trimethylbenzene	ND	37.0	--	ND	182	--		185.2
1,2,4-Trimethylbenzene	ND	37.0	--	ND	182	--		185.2
Benzyl chloride	ND	37.0	--	ND	192	--		185.2
1,3-Dichlorobenzene	ND	37.0	--	ND	222	--		185.2
1,4-Dichlorobenzene	ND	37.0	--	ND	222	--		185.2
1,2-Dichlorobenzene	ND	37.0	--	ND	222	--		185.2
1,2,4-Trichlorobenzene	ND	37.0	--	ND	275	--		185.2
Hexachlorobutadiene	ND	37.0	--	ND	395	--		185.2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	109		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-12 D2
Client ID: SSVP-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:45
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 08:25
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	31100	92.6	--	211000	628	--		463

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	106		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-13
Client ID: IA-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:46
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 21:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--		1
Chloromethane	0.569	0.200	--	1.18	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	25.7	5.00	--	48.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.7	1.00	--	39.7	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	6.27	0.500	--	15.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.550	0.500	--	1.91	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.362	0.200	--	1.13	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	12.2	0.500	--	36.0	1.47	--		1
Ethyl Acetate	1.50	0.500	--	5.41	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-13
Client ID: IA-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:46
Date Received: 02/11/22
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	0.457	0.200	--	1.85	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	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	11.2	0.200	--	42.2	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	1.30	0.200	--	5.65	0.869	--		1
p/m-Xylene	5.64	0.400	--	24.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.07	0.200	--	4.56	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.95	0.200	--	12.8	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-13
Client ID: IA-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:46
Date Received: 02/11/22
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	0.234	0.200	--	1.15	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-13
Client ID: IA-106
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:46
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 21:55
Analyst: TS

	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	0.143	0.020	--	0.567	0.079	--		1
1,1,1-Trichloroethane	0.042	0.020	--	0.229	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	2.39	0.020	--	12.8	0.107	--		1
Tetrachloroethene	0.486	0.020	--	3.30	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-14
Client ID: SSVP-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:20
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 03:17
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.495	0.200	--	2.45	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	11.8	5.00	--	22.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.94	1.00	--	11.7	2.38	--		1
Trichlorofluoromethane	0.319	0.200	--	1.79	1.12	--		1
Isopropanol	1.31	0.500	--	3.22	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	0.572	0.500	--	1.69	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-14
Client ID: SSVP-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:20
Date Received: 02/11/22
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	ND	0.200	--	ND	0.977	--		1
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	47.2	0.200	--	258	1.09	--		1
Benzene	0.200	0.200	--	0.639	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	3.43	0.200	--	12.9	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	8.34	0.200	--	56.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.531	0.200	--	2.31	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-14
Client ID: SSVP-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:20
Date Received: 02/11/22
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	2.73	0.400	--	11.9	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	0.859	0.200	--	3.73	0.869	--		1
4-Ethyltoluene	0.269	0.200	--	1.32	0.983	--		1
1,3,5-Trimethylbenzene	0.204	0.200	--	1.00	0.983	--		1
1,2,4-Trimethylbenzene	1.11	0.200	--	5.46	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-15
Client ID: IA-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:21
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/25/22 22:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	0.373	0.200	--	0.770	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	7.90	5.00	--	14.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.50	1.00	--	5.94	2.38	--		1
Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--		1
Isopropanol	0.657	0.500	--	1.61	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-15
Client ID: IA-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:21
Date Received: 02/11/22
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	ND	0.200	--	ND	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	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
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-15
Client ID: IA-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:21
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-15
Client ID: IA-107
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:21
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 22:33
Analyst: TS

	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	0.469	0.020	--	2.56	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	0.060	0.020	--	0.322	0.107	--		1
Tetrachloroethene	0.380	0.020	--	2.58	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-16
Client ID: AA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:45
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 22:03
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.539	0.200	--	1.11	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	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.07	1.00	--	4.92	2.38	--		1
Trichlorofluoromethane	0.251	0.200	--	1.41	1.12	--		1
Isopropanol	ND	0.500	--	ND	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-16
Client ID: AA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:45
Date Received: 02/11/22
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	ND	0.200	--	ND	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	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
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-16
Client ID: AA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:45
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-16
Client ID: AA-101
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 15:45
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/01/22 22:03
Analyst: TS

	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	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-17
Client ID: SSVP-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:35
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 03:56
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.516	0.200	--	2.55	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	13.6	5.00	--	25.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.1	1.00	--	28.7	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	0.956	0.500	--	2.35	1.23	--		1
1,1-Dichloroethene	7.26	0.200	--	28.8	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	0.565	0.200	--	1.76	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	1.33	0.200	--	5.27	0.793	--		1
1,1-Dichloroethane	6.14	0.200	--	24.9	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	168	0.200	--	666	0.793	--	E	1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-17
Client ID: SSVP-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:35
Date Received: 02/11/22
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	24.7	0.200	--	121	0.977	--		1
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	4.14	0.200	--	22.6	1.09	--		1
Benzene	0.476	0.200	--	1.52	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	731	0.200	--	3930	1.07	--	E	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	2.84	0.200	--	10.7	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	54.6	0.200	--	370	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.513	0.200	--	2.23	0.869	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-17
Client ID: SSVP-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:35
Date Received: 02/11/22
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	2.74	0.400	--	11.9	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	0.789	0.200	--	3.43	0.869	--		1
4-Ethyltoluene	0.282	0.200	--	1.39	0.983	--		1
1,3,5-Trimethylbenzene	0.226	0.200	--	1.11	0.983	--		1
1,2,4-Trimethylbenzene	1.20	0.200	--	5.90	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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	106		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-17 D
Client ID: SSVP-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:35
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 11:29
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	97.6	5.00	--	387	19.8	--		25
Trichloroethene	1050	5.00	--	5640	26.9	--		25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-18
Client ID: IA-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:36
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/02/22 00:38
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.539	0.200	--	2.67	0.989	--		1
Chloromethane	0.561	0.200	--	1.16	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	16.4	5.00	--	30.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.0	1.00	--	33.3	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	1.89	0.500	--	4.65	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	4.84	0.500	--	14.3	1.47	--		1
Ethyl Acetate	0.824	0.500	--	2.97	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-18
Client ID: IA-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:36
Date Received: 02/11/22
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	ND	0.200	--	ND	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	4.47	0.200	--	16.8	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	0.635	0.200	--	2.76	0.869	--		1
p/m-Xylene	2.67	0.400	--	11.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.625	0.200	--	2.66	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.40	0.200	--	6.08	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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-18
Client ID: IA-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:36
Date Received: 02/11/22
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

SAMPLE RESULTS

Lab ID: L2207379-18
Client ID: IA-108
Sample Location: MOUNTAINVILLE, NY

Date Collected: 02/10/22 16:36
Date Received: 02/11/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/02/22 00:38
Analyst: TS

	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	0.061	0.020	--	0.242	0.079	--		1
1,1,1-Trichloroethane	0.028	0.020	--	0.153	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.844	0.020	--	4.54	0.107	--		1
Tetrachloroethene	0.082	0.020	--	0.556	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/25/22 13:15

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): 02,04-05,07,09,11,13,15 Batch: WG1609214-4								
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	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/25/22 13:15

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): 02,04-05,07,09,11,13,15 Batch: WG1609215-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/25/22 13:15

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): 02,04-05,07,09,11,13,15 Batch: WG1609215-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/25/22 13:15

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): 02,04-05,07,09,11,13,15 Batch: WG1609215-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/28/22 20:59

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): 01,03,06,08,10,12,14,17 Batch: WG1609893-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/28/22 20:59

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): 01,03,06,08,10,12,14,17 Batch: WG1609893-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/28/22 20:59

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): 01,03,06,08,10,12,14,17 Batch: WG1609893-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/01/22 18:25

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): 16,18 Batch: WG1610458-4								
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	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/01/22 17:47

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): 16,18 Batch: WG1610459-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/01/22 17:47

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): 16,18 Batch: WG1610459-4								
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: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/01/22 17:47

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): 16,18 Batch: WG1610459-4								
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
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 Batch: WG1609214-3								
Vinyl chloride	73		-		70-130	-		25
1,1-Dichloroethene	80		-		70-130	-		25
cis-1,2-Dichloroethene	87		-		70-130	-		25
1,1,1-Trichloroethane	95		-		70-130	-		25
Carbon tetrachloride	93		-		70-130	-		25
Trichloroethene	82		-		70-130	-		25
Tetrachloroethene	87		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 Batch: WG1609215-3								
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	86		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	77		-		70-130	-		
1,3-Butadiene	80		-		70-130	-		
Bromomethane	79		-		70-130	-		
Chloroethane	78		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	118		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	110		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	96		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	111		-		70-130	-		
Carbon disulfide	112		-		70-130	-		
Freon-113	109		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 Batch: WG1609215-3								
Ethyl Acetate	91		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	77		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	79		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	75		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	88		-		70-130	-		
1,4-Dioxane	80		-		70-130	-		
Trichloroethene	85		-		70-130	-		
2,2,4-Trimethylpentane	80		-		70-130	-		
Heptane	91		-		70-130	-		
cis-1,3-Dichloropropene	96		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 Batch: WG1609215-3								
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	108		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	92		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	110		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2,4-Trichlorobenzene	104		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 Batch: WG1609893-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	78		-		70-130	-		
1,3-Butadiene	82		-		70-130	-		
Bromomethane	81		-		70-130	-		
Chloroethane	80		-		70-130	-		
Ethanol	97		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	120		-		40-160	-		
Trichlorofluoromethane	95		-		70-130	-		
Isopropanol	112		-		40-160	-		
1,1-Dichloroethene	83		-		70-130	-		
Tertiary butyl Alcohol	77		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	116		-		70-130	-		
Carbon disulfide	115		-		70-130	-		
Freon-113	112		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022
Lab Number: L2207379
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 Batch: WG1609893-3								
Ethyl Acetate	94		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	76		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	79		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	75		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	87		-		70-130	-		
1,4-Dioxane	80		-		70-130	-		
Trichloroethene	85		-		70-130	-		
2,2,4-Trimethylpentane	79		-		70-130	-		
Heptane	91		-		70-130	-		
cis-1,3-Dichloropropene	95		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	86		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	107		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 Batch: WG1609893-3								
Tetrachloroethene	95		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	94		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	113		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	112		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 16,18 Batch: WG1610458-3								
Vinyl chloride	74		-		70-130	-		25
1,1-Dichloroethene	80		-		70-130	-		25
cis-1,2-Dichloroethene	87		-		70-130	-		25
1,1,1-Trichloroethane	94		-		70-130	-		25
Carbon tetrachloride	92		-		70-130	-		25
Trichloroethene	81		-		70-130	-		25
Tetrachloroethene	86		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 Batch: WG1610459-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	87		-		70-130	-		
Freon-114	92		-		70-130	-		
Vinyl chloride	76		-		70-130	-		
1,3-Butadiene	81		-		70-130	-		
Bromomethane	79		-		70-130	-		
Chloroethane	80		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	120		-		40-160	-		
Trichlorofluoromethane	95		-		70-130	-		
Isopropanol	114		-		40-160	-		
1,1-Dichloroethene	84		-		70-130	-		
Tertiary butyl Alcohol	88		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	113		-		70-130	-		
Carbon disulfide	113		-		70-130	-		
Freon-113	112		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS

Project Number: 336744.2022

Lab Number: L2207379

Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 Batch: WG1610459-3								
Ethyl Acetate	95		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	77		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	79		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	75		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	88		-		70-130	-		
1,4-Dioxane	81		-		70-130	-		
Trichloroethene	86		-		70-130	-		
2,2,4-Trimethylpentane	80		-		70-130	-		
Heptane	92		-		70-130	-		
cis-1,3-Dichloropropene	95		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 Batch: WG1610459-3								
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	103		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	116		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	111		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Hexachlorobutadiene	102		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 QC Batch ID: WG1609214-5 QC Sample: L2207379-09 Client ID: IA-104						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	0.130	0.129	ppbV	1		25
1,1,1-Trichloroethane	0.034	0.036	ppbV	6		25
Carbon tetrachloride	0.073	0.077	ppbV	5		25
Trichloroethene	2.03	2.03	ppbV	0		25
Tetrachloroethene	0.300	0.290	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 QC Batch ID: WG1609215-5 QC Sample: L2207379-09 Client ID: IA-104						
Dichlorodifluoromethane	0.525	0.538	ppbV	2		25
Chloromethane	0.567	0.583	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	33.0	33.0	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.0	15.2	ppbV	1		25
Trichlorofluoromethane	0.235	0.238	ppbV	1		25
Isopropanol	6.93	7.09	ppbV	2		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.540	0.557	ppbV	3		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.624	0.569	ppbV	9		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	13.2	13.4	ppbV	2		25
Ethyl Acetate	1.60	1.67	ppbV	4		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 QC Batch ID: WG1609215-5 QC Sample: L2207379-09 Client ID: IA-104						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	0.692	0.686	ppbV	1		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	0.350	ppbV	NC		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	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	14.2	14.2	ppbV	0		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	1.59	1.54	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04-05,07,09,11,13,15 QC Batch ID: WG1609215-5 QC Sample: L2207379-09 Client ID: IA-104						
p/m-Xylene	6.27	6.29	ppbV	0		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	1.34	1.37	ppbV	2		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	3.17	3.14	ppbV	1		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		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
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 QC Batch ID: WG1609893-5 QC Sample: L2207379-12 Client ID: SSVP-106						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		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

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 QC Batch ID: WG1609893-5 QC Sample: L2207379-12 Client ID: SSVP-106						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1140	1120	ppbV	2		25
1,1,1-Trichloroethane	84.4	81.5	ppbV	3		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	240	234	ppbV	3		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	3090	3010	ppbV	3		25
2,2,4-Trimethylpentane	1180	1180	ppbV	0		25
Heptane	179	178	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 QC Batch ID: WG1609893-5 QC Sample: L2207379-12 Client ID: SSVP-106						
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	25600E	25600E	ppbV	0		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		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
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,06,08,10,12,14,17 QC Batch ID: WG1609893-5 QC Sample: L2207379-12 Client ID: SSVP-106						
Tetrachloroethene	31100	31500	ppbV	1		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 16,18 QC Batch ID: WG1610458-5 QC Sample: L2207379-16 Client ID: AA-101						
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	0.080	0.077	ppbV	4		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 QC Batch ID: WG1610459-5 QC Sample: L2207379-16 Client ID: AA-101						
Dichlorodifluoromethane	0.541	0.539	ppbV	0		25
Chloromethane	0.539	0.529	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.07	2.00	ppbV	3		25
Trichlorofluoromethane	0.251	0.241	ppbV	4		25
Isopropanol	ND	ND	ppbV	NC		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	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 QC Batch ID: WG1610459-5 QC Sample: L2207379-16 Client ID: AA-101						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		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	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	ND	ND	ppbV	NC		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	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 16,18 QC Batch ID: WG1610459-5 QC Sample: L2207379-16 Client ID: AA-101						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		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
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: STAR ANCHORS + FASTENERS

Lab Number: L2207379

Project Number: 336744.2022

Report Date: 03/02/22

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
L2207379-01	SSVP-101	0273	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	10.2	2
L2207379-01	SSVP-101	2702	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.4	-8.2	-	-	-	-
L2207379-02	IA-101	01695	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.8	2
L2207379-02	IA-101	2440	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-8.3	-	-	-	-
L2207379-03	SSVP-102	01449	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.4	6
L2207379-03	SSVP-102	1667	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-7.5	-	-	-	-
L2207379-04	IA-102	0038	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.5	5
L2207379-04	IA-102	772	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-7.3	-	-	-	-
L2207379-05	IA-DUP	01578	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	7.5	29
L2207379-05	IA-DUP	3366	6.0L Can	02/03/22	377829	L2203877-04	Pass	-29.7	-12.5	-	-	-	-
L2207379-06	SSVP-103	01485	Flow 5	02/03/22	377829		-	-	-	Pass	10.0	10.1	1
L2207379-06	SSVP-103	2060	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-6.7	-	-	-	-
L2207379-07	IA-103	02060	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	7.1	34
L2207379-07	IA-103	3643	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-6.7	-	-	-	-
L2207379-08	SSVP-104	0323	Flow 5	02/03/22	377829		-	-	-	Pass	10.0	8.6	15

Project Name: STAR ANCHORS + FASTENERS

Lab Number: L2207379

Project Number: 336744.2022

Report Date: 03/02/22

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
L2207379-08	SSVP-104	771	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-7.6	-	-	-	-
L2207379-09	IA-104	0918	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	4.6	74
L2207379-09	IA-104	3575	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-8.2	-	-	-	-
L2207379-10	SSVP-105	01212	Flow 5	02/03/22	377829		-	-	-	Pass	10.0	9.8	2
L2207379-10	SSVP-105	3475	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-7.9	-	-	-	-
L2207379-11	IA-105	0722	Flow 5	02/03/22	377829		-	-	-	Pass	10.0	8.9	12
L2207379-11	IA-105	806	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-7.2	-	-	-	-
L2207379-12	SSVP-106	0634	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	10.3	3
L2207379-12	SSVP-106	2939	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-7.9	-	-	-	-
L2207379-13	IA-106	01553	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	10.1	1
L2207379-13	IA-106	3572	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-8.9	-	-	-	-
L2207379-14	SSVP-107	01478	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.8	2
L2207379-14	SSVP-107	2682	6.0L Can	02/03/22	377829	L2203877-04	Pass	-29.7	-6.6	-	-	-	-
L2207379-15	IA-107	0088	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.8	2
L2207379-15	IA-107	1808	6.0L Can	02/03/22	377829	L2203877-04	Pass	-29.8	-5.6	-	-	-	-

Project Name: STAR ANCHORS + FASTENERS

Lab Number: L2207379

Project Number: 336744.2022

Report Date: 03/02/22

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
L2207379-16	AA-101	0731	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	10.1	1
L2207379-16	AA-101	2883	6.0L Can	02/03/22	377829	L2203877-04	Pass	-29.7	-4.5	-	-	-	-
L2207379-17	SSVP-108	01566	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	10.5	5
L2207379-17	SSVP-108	630	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.8	-5.6	-	-	-	-
L2207379-18	IA-108	01667	Flow 4	02/03/22	377829		-	-	-	Pass	10.0	9.6	4
L2207379-18	IA-108	3563	6.0L Can	02/03/22	377829	L2204414-05	Pass	-29.7	-6.3	-	-	-	-
L2207379-19	UNUSED_CAN3291	01192	Flow 5	02/03/22	377829		-	-	-	Pass	10.0	9.8	2
L2207379-19	UNUSED_CAN3291	3291	6.0L Can	02/03/22	377829	L2204414-04	Pass	-29.7	-29.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/26/22 00:25
Analyst: TS

	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: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2203877
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/26/22 00:25
Analyst: TS

	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 **Lab Number:** L2203877

Project Number: CANISTER QC BAT **Report Date:** 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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:** L2203877

Project Number: CANISTER QC BAT **Report Date:** 03/02/22

Air Canister Certification Results

Lab ID: L2203877-04
Client ID: CAN 946 SHELF 45
Sample Location:

Date Collected: 01/24/22 18:00
Date Received: 01/25/22
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	78		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/27/22 21:15
Analyst: RY

	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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/27/22 21:15
Analyst: RY

	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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-04
Client ID: CAN 3657 SHELF 57
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/27/22 21:54
Analyst: RY

	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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/27/22 21:54
Analyst: RY

	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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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: L2204414
Report Date: 03/02/22

Air Canister Certification Results

Lab ID: L2204414-05
Client ID: CAN 2722 SHELF 58
Sample Location:

Date Collected: 01/26/22 14:00
Date Received: 01/27/22
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	101		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	100		60-140

Project Name: STAR ANCHORS + FASTENERS
Project Number: 336744.2022

Lab Number: L2207379
Report Date: 03/02/22

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(*)
L2207379-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2207379-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2207379-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2207379-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2207379-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-15A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-16A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-17A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2207379-18A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2207379-19A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

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:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

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.

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'.

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.

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.)

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.

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

Report Format: Data Usability Report

Project Name:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	STAR ANCHORS + FASTENERS	**Lab Number:**	L2207379
Project Number:	336744.2022	**Report Date:**	03/02/22

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 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/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 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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 332: Perchlorate; **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), **EPA 600/4-81-045**: PCB-Oil.
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: 2-12-22

ALPHA Job #: L2207379

Client Information

Client: TRC companies
Address: 810 Maxwell Dr, Suite 200
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: STAR Anchors + Fasteners
Project Location: Mountainville, NY
Project #: 336744.2022
Project Manager: Justin King
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)

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 #329V Reg# 0612
-Reg# 01192 was sent with no isolation cap and was not used
-Unused, ordered as backup

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	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
07379-01	SSVP-101	2/10/22	0759	1600	-30.03	-9.06	SV	AF	6L	2702	0273	X					
02	IA-101	2/10/22	0800	1601	-30.02	-8.78	AA/I	AF	6L	2440	01695	X					
03	SSVP-102	2/10/22	0754	1555	-31.11	-8.65	SV	AF	6L	1667	01449	X					
04	IA-102	2/10/22	0755	1556	-30.32	-7.72	AA/I	AF	6L	772	0038	X					
05	IA-DUP	2/10/22	0756	1557	-30.44	-8.98	AA/I	AF	6L	3366	01578	X					
06	SSVP-103	2/10/22	0830	1631	-30.62	-7.53	SV	AF	6L	2060	01485	X					
07	IA-103	2/10/22	0831	1632	-29.31	-7.36	AA/I	AF	6L	3643	02060	X					
08	SSVP-104	2/10/22	0854	1655	-30.14	-8.45	SV	AF	6L	771	0323	X					
09	IA-104	2/10/22	0853	1653	-30.09	-8.50	AA/I	AF	6L	3575	0918	X					
10	SSVP-105	2/10/22	0848	1649	-30.42	-9.10	SV	AF	6L	3478	01212	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:
	2-11-22/10:30		2-11-22 10:30
	2-11-22 10:48		2/12/22 0000
	2/12/22 0150		2/14/22 0300

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2-12-22

ALPHA Job #: L2207379

Client Information

Client: TRC Companies
Address: 10 Maxwell Dr, Suite 200
Clifton Park, NY 12065
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Fax:
Email: JKing@TRCcompanies.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: STAR Anchors + Fasteners
Project Location: Mountainville, NY
Project #: 336744.2022
Project Manager: Justin King
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)

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 #3291 / Reg# 0642
- Reg# 01192 was sent with no insertion cap and was not used
- unused ordered as backup

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	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
11	IA-105	2-10-22	0849	1650	-30.67	-7.97	AA/I	AF	6L	806	0772	X					
12	SSVP-106	2-10-22	0844	1645	-30.12	-8.74	SV	AF	6L	2939	0634	X					
13	IA-106	2-10-22	0845	1646	-30.38	-4.50	AA/I	AF	6L	3572	01553	X					
14	SSVP-107	2-10-22	0819	1620	-30.36	-8.13	SV	AF	6L	2682	01478	X					
15	IA-107	2-10-22	0820	1621	-30.24	-6.46	AA/I	AF	6L	[illegible]	0088	X					
16	AA-101	2-10-22	0745	1545	-30.6	-5.63	AA/O	AF	6L	2883	0731	X					
17	SSVP-108	2-10-22	0834	1635	-30.45	-6.91	SV	AF	6L	[illegible]	01566	X					
18	IA-108	2-10-22	0835	1636	-30.25	-7.09	AA/I	AF	6L	3563	01667	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:
[signature]	2-11-22 / 1050	[signature] AAL	2-11-22 10150
[signature]	2-11-22 10:55	[signature] AAL	2/12/22 0000
[signature]	2/12/22 0150	[signature]	2/12/22 0300
[signature]	2/12/22 0445	[signature]	2/12/22 0445

ATTACHMENT 5

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
Alpha Analytical, SDG: No: L2207379

17 Soil Vapor/Air Samples and 1 Field Duplicate
Collected February 10, 2022

Prepared by: Donald Anné
March 11, 2022

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 17 soil vapor samples and 1 field duplicate analyzed for TO-15 volatiles, and 9 indoor air 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 method.

The data are acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile results for acetone and isopropanol in sample SSVP-103 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for acetone and isopropanol marked "E" in the undiluted sample were qualified as estimated (J).

- The volatile results for cis-1,2-dichloroethene and trichloroethene in sample SSVP-108 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for cis-1,2-dichloroethene and trichloroethene marked "E" in the undiluted sample were qualified as estimated (J).

- The volatile results for tetrachloroethene in sample SSVP-106 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for tetrachloroethene marked "E" in the undiluted sample was qualified as estimated (J).

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.

z:\projects\2022\22600-22620\22610-star anchors and fasteners\task 1-dusr\temp review\l2207379.dus.docx

Qualified Data Section

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-01	Date Collected	: 02/10/22 16:00
Client ID	: SSVP-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 10:15
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531286	Instrument ID	: AIRLAB15
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	0.512	0.200	--	2.53	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	17.6	5.00	--	33.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.6	1.00	--	29.9	2.38	--	
75-69-4	Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--	
67-63-0	Isopropanol	0.904	0.500	--	2.22	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	0.561	0.500	--	1.70	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	0.344	0.200	--	1.07	0.623	--	
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	0.851	0.500	--	2.51	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	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

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-01	Date Collected	: 02/10/22 16:00
Client ID	: SSVP-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 10:15
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531286	Instrument ID	: AIRLAB15
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	0.328	0.200	--	1.16	0.705	--	
71-55-6	1,1,1-Trichloroethane	1.63	0.200	--	8.89	1.09	--	
71-43-2	Benzene	0.256	0.200	--	0.818	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.248	0.200	--	0.854	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	4.93	0.200	--	26.5	1.07	--	
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	3.09	0.200	--	11.6	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
127-18-4	Tetrachloroethene	1.32	0.200	--	8.95	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.569	0.200	--	2.47	0.869	--	
179601-23-1	p/m-Xylene	2.93	0.400	--	12.7	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-01	Date Collected	: 02/10/22 16:00
Client ID	: SSVP-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 10:15
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531286	Instrument ID	: AIRLAB15
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	0.988	0.200	--	4.29	0.869	--	
622-96-8	4-Ethyltoluene	0.205	0.200	--	1.01	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.955	0.200	--	4.69	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-02	Date Collected	: 02/10/22 16:01
Client ID	: IA-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 17:20
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531244	Instrument ID	: AIRLAB15
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	0.555	0.200	--	2.74	0.989	--	
74-87-3	Chloromethane	0.564	0.200	--	1.16	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	10.1	5.00	--	19.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	7.62	1.00	--	18.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	0.915	0.500	--	2.25	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	1.55	0.500	--	4.57	1.47	--	
141-78-6	Ethyl Acetate	0.682	0.500	--	2.46	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-02	Date Collected	: 02/10/22 16:01
Client ID	: IA-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 17:20
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531244	Instrument ID	: AIRLAB15
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	1.81	0.200	--	6.82	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	0.594	0.200	--	2.58	0.869	--	
179601-23-1	p/m-Xylene	3.04	0.400	--	13.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.726	0.200	--	3.09	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.72	0.200	--	7.47	0.869	--	
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	0.274	0.200	--	1.35	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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-02	**Date Collected**	: 02/10/22 16:01
Client ID	: IA-101	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 17:20
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531244	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-03	Date Collected	: 02/10/22 15:55
Client ID	: SSVP-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 00:43
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531274	Instrument ID	: AIRLAB15
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	0.539	0.200	--	2.67	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	14.5	5.00	--	27.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.99	1.00	--	14.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--	
67-63-0	Isopropanol	0.805	0.500	--	1.98	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
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	2.29	0.500	--	6.75	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	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	0.904	0.500	--	2.67	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-03	Date Collected	: 02/10/22 15:55
Client ID	: SSVP-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 00:43
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531274	Instrument ID	: AIRLAB15
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	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	0.287	0.200	--	1.57	1.09	--	
71-43-2	Benzene	0.275	0.200	--	0.879	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
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
79-01-6	Trichloroethene	2.18	0.200	--	11.7	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.229	0.200	--	0.938	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	4.15	0.200	--	15.6	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
127-18-4	Tetrachloroethene	1.66	0.200	--	11.3	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.828	0.200	--	3.60	0.869	--	
179601-23-1	p/m-Xylene	4.41	0.400	--	19.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-03	Date Collected	: 02/10/22 15:55
Client ID	: SSVP-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 00:43
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531274	Instrument ID	: AIRLAB15
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	1.40	0.200	--	6.08	0.869	--	
622-96-8	4-Ethyltoluene	0.385	0.200	--	1.89	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.331	0.200	--	1.63	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.46	0.200	--	7.18	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-04	Date Collected	: 02/10/22 15:56
Client ID	: IA-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 17:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531245	Instrument ID	: AIRLAB15
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	0.521	0.200	--	2.58	0.989	--	
74-87-3	Chloromethane	0.559	0.200	--	1.15	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	11.0	5.00	--	20.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	7.49	1.00	--	17.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--	
67-63-0	Isopropanol	0.987	0.500	--	2.43	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	1.58	0.500	--	4.66	1.47	--	
141-78-6	Ethyl Acetate	0.624	0.500	--	2.25	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-04	Date Collected	: 02/10/22 15:56
Client ID	: IA-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 17:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531245	Instrument ID	: AIRLAB15
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	3.03	0.200	--	11.4	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	0.505	0.200	--	2.19	0.869	--	
179601-23-1	p/m-Xylene	2.55	0.400	--	11.1	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.629	0.200	--	2.68	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.41	0.200	--	6.12	0.869	--	
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	0.247	0.200	--	1.21	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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-04	**Date Collected**	: 02/10/22 15:56
Client ID	: IA-102	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 17:59
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531245	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-05	Date Collected	: 02/10/22 15:57
Client ID	: IA-DUP	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531246	Instrument ID	: AIRLAB15
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	0.531	0.200	--	2.63	0.989	--	
74-87-3	Chloromethane	0.568	0.200	--	1.17	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	11.4	5.00	--	21.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.39	1.00	--	19.9	2.38	--	
75-69-4	Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	0.935	0.500	--	2.30	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	1.68	0.500	--	4.95	1.47	--	
141-78-6	Ethyl Acetate	0.693	0.500	--	2.50	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-05	Date Collected	: 02/10/22 15:57
Client ID	: IA-DUP	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531246	Instrument ID	: AIRLAB15
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	2.66	0.200	--	10.0	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	0.550	0.200	--	2.39	0.869	--	
179601-23-1	p/m-Xylene	2.65	0.400	--	11.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.622	0.200	--	2.65	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.52	0.200	--	6.60	0.869	--	
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	0.246	0.200	--	1.21	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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-05	**Date Collected**	: 02/10/22 15:57
Client ID	: IA-DUP	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 18:40
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531246	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-06	Date Collected	: 02/10/22 16:31
Client ID	: SSVP-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 01:21
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531275	Instrument ID	: AIRLAB15
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	0.460	0.200	--	2.27	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	95.3	5.00	--	180	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	1600	1.00	--	3800	2.38	--	E	J
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U	
67-63-0	Isopropanol	926	0.500	--	2280	1.23	--	E	J
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U	
75-65-0	Tertiary butyl Alcohol	0.821	0.500	--	2.49	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	0.234	0.200	--	0.729	0.623	--		
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	1.93	0.500	--	5.69	1.47	--		
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	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	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-06	Date Collected	: 02/10/22 16:31
Client ID	: SSVP-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 01:21
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531275	Instrument ID	: AIRLAB15
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	0.229	0.200	--	0.807	0.705	--	
71-55-6	1,1,1-Trichloroethane	1.54	0.200	--	8.40	1.09	--	
71-43-2	Benzene	0.373	0.200	--	1.19	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
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
79-01-6	Trichloroethene	4.53	0.200	--	24.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.270	0.200	--	1.11	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	5.04	0.200	--	19.0	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
127-18-4	Tetrachloroethene	1.07	0.200	--	7.26	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.993	0.200	--	4.31	0.869	--	
179601-23-1	p/m-Xylene	4.74	0.400	--	20.6	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-06	Date Collected	: 02/10/22 16:31
Client ID	: SSVP-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 01:21
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531275	Instrument ID	: AIRLAB15
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	2.99	0.200	--	13.0	0.869	--	
622-96-8	4-Ethyltoluene	0.418	0.200	--	2.05	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.392	0.200	--	1.93	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.69	0.200	--	8.31	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-06D	Date Collected	: 02/10/22 16:31
Client ID	: SSVP-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 09:37
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.5
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531285	Instrument ID	: AIRLAB15
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	2340	12.5	--	5560	29.7	--	
67-63-0	Isopropanol	941	6.25	--	2310	15.4	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-07	Date Collected	: 02/10/22 16:32
Client ID	: IA-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 19:19
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531247	Instrument ID	: AIRLAB15
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	0.546	0.200	--	2.70	0.989	--	
74-87-3	Chloromethane	0.559	0.200	--	1.15	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	14.4	5.00	--	27.1	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.54	1.00	--	22.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--	
67-63-0	Isopropanol	1.81	0.500	--	4.45	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	4.66	0.500	--	13.7	1.47	--	
141-78-6	Ethyl Acetate	0.696	0.500	--	2.51	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-07	Date Collected	: 02/10/22 16:32
Client ID	: IA-103	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 19:19
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531247	Instrument ID	: AIRLAB15
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	4.64	0.200	--	17.5	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	0.544	0.200	--	2.36	0.869	--	
179601-23-1	p/m-Xylene	2.46	0.400	--	10.7	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.504	0.200	--	2.15	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.29	0.200	--	5.60	0.869	--	
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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-07	**Date Collected**	: 02/10/22 16:32
Client ID	: IA-103	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 19:19
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531247	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-08	Date Collected	: 02/10/22 16:55
Client ID	: SSVP-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:00
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531276	Instrument ID	: AIRLAB15
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	0.514	0.200	--	2.54	0.989	--	
74-87-3	Chloromethane	0.265	0.200	--	0.547	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	0.273	0.200	--	0.698	0.511	--	
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	40.8	5.00	--	76.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	25.2	1.00	--	59.9	2.38	--	
75-69-4	Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--	
67-63-0	Isopropanol	3.19	0.500	--	7.84	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
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	0.370	0.200	--	1.15	0.623	--	
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	1.20	0.500	--	3.54	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	1.05	0.200	--	5.13	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	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-08	Date Collected	: 02/10/22 16:55
Client ID	: SSVP-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:00
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531276	Instrument ID	: AIRLAB15
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	0.659	0.200	--	2.32	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.208	0.200	--	1.13	1.09	--	
71-43-2	Benzene	0.685	0.200	--	2.19	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
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
79-01-6	Trichloroethene	1.16	0.200	--	6.23	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.519	0.200	--	2.13	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	10.0	0.200	--	37.7	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
127-18-4	Tetrachloroethene	1.72	0.200	--	11.7	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.32	0.200	--	5.73	0.869	--	
179601-23-1	p/m-Xylene	6.18	0.400	--	26.8	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-08	Date Collected	: 02/10/22 16:55
Client ID	: SSVP-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:00
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531276	Instrument ID	: AIRLAB15
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	1.95	0.200	--	8.47	0.869	--	
622-96-8	4-Ethyltoluene	0.814	0.200	--	4.00	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.490	0.200	--	2.41	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.32	0.200	--	11.4	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-09	Date Collected	: 02/10/22 16:53
Client ID	: IA-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 19:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531248	Instrument ID	: AIRLAB15
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	0.525	0.200	--	2.60	0.989	--	
74-87-3	Chloromethane	0.567	0.200	--	1.17	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	33.0	5.00	--	62.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	15.0	1.00	--	35.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--	
67-63-0	Isopropanol	6.93	0.500	--	17.0	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.540	0.500	--	1.88	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.624	0.200	--	1.94	0.623	--	
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	13.2	0.500	--	38.9	1.47	--	
141-78-6	Ethyl Acetate	1.60	0.500	--	5.77	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	0.692	0.200	--	2.80	0.809	--	
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-09	Date Collected	: 02/10/22 16:53
Client ID	: IA-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 19:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531248	Instrument ID	: AIRLAB15
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	14.2	0.200	--	53.5	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	1.59	0.200	--	6.91	0.869	--	
179601-23-1	p/m-Xylene	6.27	0.400	--	27.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.34	0.200	--	5.71	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	3.17	0.200	--	13.8	0.869	--	
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	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-09	Date Collected	: 02/10/22 16:53
Client ID	: IA-104	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 19:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531248	Instrument ID	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-10	Date Collected	: 02/10/22 16:49
Client ID	: SSVP-105	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531277	Instrument ID	: AIRLAB15
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	0.501	0.200	--	2.48	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	298	5.00	--	562	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	68.0	1.00	--	162	2.38	--	
75-69-4	Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--	
67-63-0	Isopropanol	7.01	0.500	--	17.2	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	2.26	0.500	--	6.85	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	0.797	0.200	--	2.48	0.623	--	
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	2.36	0.500	--	6.96	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	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	2.17	0.500	--	6.40	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-10	Date Collected	: 02/10/22 16:49
Client ID	: SSVP-105	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531277	Instrument ID	: AIRLAB15
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	0.559	0.200	--	1.97	0.705	--	
71-55-6	1,1,1-Trichloroethane	1.96	0.200	--	10.7	1.09	--	
71-43-2	Benzene	0.384	0.200	--	1.23	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
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	0.227	0.200	--	0.818	0.721	--	
79-01-6	Trichloroethene	3.86	0.200	--	20.7	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.410	0.200	--	1.68	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	4.79	0.200	--	18.1	0.754	--	
591-78-6	2-Hexanone	0.216	0.200	--	0.885	0.820	--	
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	9.74	0.200	--	66.0	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.839	0.200	--	3.64	0.869	--	
179601-23-1	p/m-Xylene	4.14	0.400	--	18.0	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-10	Date Collected	: 02/10/22 16:49
Client ID	: SSVP-105	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 02:39
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531277	Instrument ID	: AIRLAB15
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	1.35	0.200	--	5.86	0.869	--	
622-96-8	4-Ethyltoluene	0.774	0.200	--	3.81	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.376	0.200	--	1.85	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.73	0.200	--	8.50	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-11	Date Collected	: 02/10/22 16:50
Client ID	: IA-105	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 21:16
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531250	Instrument ID	: AIRLAB15
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	0.536	0.200	--	2.65	0.989	--	
74-87-3	Chloromethane	0.565	0.200	--	1.17	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	25.2	5.00	--	47.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.7	1.00	--	34.9	2.38	--	
75-69-4	Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--	
67-63-0	Isopropanol	4.47	0.500	--	11.0	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	0.486	0.200	--	1.51	0.623	--	
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	12.2	0.500	--	36.0	1.47	--	
141-78-6	Ethyl Acetate	1.48	0.500	--	5.33	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	0.340	0.200	--	1.38	0.809	--	
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-11	Date Collected	: 02/10/22 16:50
Client ID	: IA-105	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 21:16
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531250	Instrument ID	: AIRLAB15
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	11.4	0.200	--	43.0	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	1.10	0.200	--	4.78	0.869	--	
179601-23-1	p/m-Xylene	4.82	0.400	--	20.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.12	0.200	--	4.77	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.44	0.200	--	10.6	0.869	--	
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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-11	**Date Collected**	: 02/10/22 16:50
Client ID	: IA-105	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 21:16
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531250	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-12D	Date Collected	: 02/10/22 16:45
Client ID	: SSVP-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 04:34
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 185.2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531280	Instrument ID	: AIRLAB15
Sample Amount	: 1.35 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	37.0	--	ND	183	--	U
74-87-3	Chloromethane	ND	37.0	--	ND	76.4	--	U
76-14-2	Freon-114	ND	37.0	--	ND	259.	--	U
75-01-4	Vinyl chloride	ND	37.0	--	ND	94.6	--	U
106-99-0	1,3-Butadiene	ND	37.0	--	ND	81.9	--	U
74-83-9	Bromomethane	ND	37.0	--	ND	144.	--	U
75-00-3	Chloroethane	ND	37.0	--	ND	97.6	--	U
64-17-5	Ethanol	ND	926	--	ND	1740	--	U
593-60-2	Vinyl bromide	ND	37.0	--	ND	162.	--	U
67-64-1	Acetone	ND	185	--	ND	439.	--	U
75-69-4	Trichlorofluoromethane	ND	37.0	--	ND	208.	--	U
67-63-0	Isopropanol	ND	92.6	--	ND	228.	--	U
75-35-4	1,1-Dichloroethene	ND	37.0	--	ND	147.	--	U
75-65-0	Tertiary butyl Alcohol	ND	92.6	--	ND	281.	--	U
75-09-2	Methylene chloride	ND	92.6	--	ND	322	--	U
107-05-1	3-Chloropropene	ND	37.0	--	ND	116.	--	U
75-15-0	Carbon disulfide	ND	37.0	--	ND	115.	--	U
76-13-1	Freon-113	ND	37.0	--	ND	284.	--	U
156-60-5	trans-1,2-Dichloroethene	ND	37.0	--	ND	147.	--	U
75-34-3	1,1-Dichloroethane	ND	37.0	--	ND	150.	--	U
1634-04-4	Methyl tert butyl ether	ND	37.0	--	ND	133.	--	U
78-93-3	2-Butanone	ND	92.6	--	ND	273.	--	U
156-59-2	cis-1,2-Dichloroethene	ND	37.0	--	ND	147	--	U
141-78-6	Ethyl Acetate	ND	92.6	--	ND	334.	--	U
67-66-3	Chloroform	ND	37.0	--	ND	181	--	U
109-99-9	Tetrahydrofuran	ND	92.6	--	ND	273.	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-12D	Date Collected	: 02/10/22 16:45
Client ID	: SSVP-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 04:34
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 185.2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531280	Instrument ID	: AIRLAB15
Sample Amount	: 1.35 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	37.0	--	ND	150.	--	U	
110-54-3	n-Hexane	1140	37.0	--	4020	130	--		
71-55-6	1,1,1-Trichloroethane	84.4	37.0	--	460	202	--		
71-43-2	Benzene	ND	37.0	--	ND	118.	--	U	
56-23-5	Carbon tetrachloride	ND	37.0	--	ND	233.	--	U	
110-82-7	Cyclohexane	240	37.0	--	826	127	--		
78-87-5	1,2-Dichloropropane	ND	37.0	--	ND	171.	--	U	
75-27-4	Bromodichloromethane	ND	37.0	--	ND	248.	--	U	
123-91-1	1,4-Dioxane	ND	37.0	--	ND	133.	--	U	
79-01-6	Trichloroethene	3090	37.0	--	16600	199	--		
540-84-1	2,2,4-Trimethylpentane	1180	37.0	--	5510	173	--		
142-82-5	Heptane	179	37.0	--	734	152	--		
10061-01-5	cis-1,3-Dichloropropene	ND	37.0	--	ND	168.	--	U	
108-10-1	4-Methyl-2-pentanone	ND	92.6	--	ND	379.	--	U	
10061-02-6	trans-1,3-Dichloropropene	ND	37.0	--	ND	168.	--	U	
79-00-5	1,1,2-Trichloroethane	ND	37.0	--	ND	202.	--	U	
108-88-3	Toluene	ND	37.0	--	ND	139	--	U	
591-78-6	2-Hexanone	ND	37.0	--	ND	152.	--	U	
124-48-1	Dibromochloromethane	ND	37.0	--	ND	315.	--	U	
106-93-4	1,2-Dibromoethane	ND	37.0	--	ND	284.	--	U	
127-18-4	Tetrachloroethene	25600	37.0	--	174000	251	--	E	J
108-90-7	Chlorobenzene	ND	37.0	--	ND	170.	--	U	
100-41-4	Ethylbenzene	ND	37.0	--	ND	161.	--	U	
179601-23-1	p/m-Xylene	ND	74.1	--	ND	322.	--	U	
75-25-2	Bromoform	ND	37.0	--	ND	383.	--	U	
100-42-5	Styrene	ND	37.0	--	ND	158.	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-12D	Date Collected	: 02/10/22 16:45
Client ID	: SSVP-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 04:34
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 185.2
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531280	Instrument ID	: AIRLAB15
Sample Amount	: 1.35 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	37.0	--	ND	254.	--	U
95-47-6	o-Xylene	ND	37.0	--	ND	161.	--	U
622-96-8	4-Ethyltoluene	ND	37.0	--	ND	182.	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	37.0	--	ND	182.	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	37.0	--	ND	182.	--	U
100-44-7	Benzyl chloride	ND	37.0	--	ND	192.	--	U
541-73-1	1,3-Dichlorobenzene	ND	37.0	--	ND	222.	--	U
106-46-7	1,4-Dichlorobenzene	ND	37.0	--	ND	222.	--	U
95-50-1	1,2-Dichlorobenzene	ND	37.0	--	ND	222.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	37.0	--	ND	275.	--	U
87-68-3	Hexachlorobutadiene	ND	37.0	--	ND	395.	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-12D2	Date Collected	: 02/10/22 16:45
Client ID	: SSVP-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 08:25
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 463
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531283	Instrument ID	: AIRLAB15
Sample Amount	: 0.540 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
127-18-4	Tetrachloroethene	31100	92.6	--	211000	628	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-13	Date Collected	: 02/10/22 16:46
Client ID	: IA-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 21:55
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531251	Instrument ID	: AIRLAB15
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	0.545	0.200	--	2.69	0.989	--	
74-87-3	Chloromethane	0.569	0.200	--	1.18	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	25.7	5.00	--	48.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	16.7	1.00	--	39.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--	
67-63-0	Isopropanol	6.27	0.500	--	15.4	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.550	0.500	--	1.91	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.362	0.200	--	1.13	0.623	--	
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	12.2	0.500	--	36.0	1.47	--	
141-78-6	Ethyl Acetate	1.50	0.500	--	5.41	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	0.457	0.200	--	1.85	0.809	--	
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-13	Date Collected	: 02/10/22 16:46
Client ID	: IA-106	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 21:55
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531251	Instrument ID	: AIRLAB15
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	11.2	0.200	--	42.2	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	1.30	0.200	--	5.65	0.869	--	
179601-23-1	p/m-Xylene	5.64	0.400	--	24.5	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.07	0.200	--	4.56	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	2.95	0.200	--	12.8	0.869	--	
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	0.234	0.200	--	1.15	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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-13	**Date Collected**	: 02/10/22 16:46
Client ID	: IA-106	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 21:55
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531251	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-14	Date Collected	: 02/10/22 16:20
Client ID	: SSVP-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531278	Instrument ID	: AIRLAB15
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	0.495	0.200	--	2.45	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	11.8	5.00	--	22.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.94	1.00	--	11.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.319	0.200	--	1.79	1.12	--	
67-63-0	Isopropanol	1.31	0.500	--	3.22	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
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	0.572	0.500	--	1.69	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	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

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-14	Date Collected	: 02/10/22 16:20
Client ID	: SSVP-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531278	Instrument ID	: AIRLAB15
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	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	47.2	0.200	--	258	1.09	--	
71-43-2	Benzene	0.200	0.200	--	0.639	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
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
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	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	3.43	0.200	--	12.9	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
127-18-4	Tetrachloroethene	8.34	0.200	--	56.6	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.531	0.200	--	2.31	0.869	--	
179601-23-1	p/m-Xylene	2.73	0.400	--	11.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-14	Date Collected	: 02/10/22 16:20
Client ID	: SSVP-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531278	Instrument ID	: AIRLAB15
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	0.859	0.200	--	3.73	0.869	--	
622-96-8	4-Ethyltoluene	0.269	0.200	--	1.32	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.204	0.200	--	1.00	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.11	0.200	--	5.46	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-15	Date Collected	: 02/10/22 16:21
Client ID	: IA-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 22:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531252	Instrument ID	: AIRLAB15
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	0.531	0.200	--	2.63	0.989	--	
74-87-3	Chloromethane	0.373	0.200	--	0.770	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	7.90	5.00	--	14.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.50	1.00	--	5.94	2.38	--	
75-69-4	Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--	
67-63-0	Isopropanol	0.657	0.500	--	1.61	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	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-15	Date Collected	: 02/10/22 16:21
Client ID	: IA-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 22:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531252	Instrument ID	: AIRLAB15
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	ND	0.200	--	ND	0.754	--	U
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	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-15	Date Collected	: 02/10/22 16:21
Client ID	: IA-107	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 22:33
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531252	Instrument ID	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-16	Date Collected	: 02/10/22 15:45
Client ID	: AA-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 22:03
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531298	Instrument ID	: AIRLAB15
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	0.541	0.200	--	2.68	0.989	--	
74-87-3	Chloromethane	0.539	0.200	--	1.11	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	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.07	1.00	--	4.92	2.38	--	
75-69-4	Trichlorofluoromethane	0.251	0.200	--	1.41	1.12	--	
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
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	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-16	Date Collected	: 02/10/22 15:45
Client ID	: AA-101	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 22:03
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531298	Instrument ID	: AIRLAB15
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	ND	0.200	--	ND	0.754	--	U
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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-16	**Date Collected**	: 02/10/22 15:45
Client ID	: AA-101	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 03/01/22 22:03
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TS
Lab File ID	: R1531298	**Instrument ID**	: AIRLAB15
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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-17	Date Collected	: 02/10/22 16:35
Client ID	: SSVP-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531279	Instrument ID	: AIRLAB15
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	0.516	0.200	--	2.55	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	13.6	5.00	--	25.6	9.42	--		
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U	
67-64-1	Acetone	12.1	1.00	--	28.7	2.38	--		
75-69-4	Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		
67-63-0	Isopropanol	0.956	0.500	--	2.35	1.23	--		
75-35-4	1,1-Dichloroethene	7.26	0.200	--	28.8	0.793	--		
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	0.565	0.200	--	1.76	0.623	--		
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U	
156-60-5	trans-1,2-Dichloroethene	1.33	0.200	--	5.27	0.793	--		
75-34-3	1,1-Dichloroethane	6.14	0.200	--	24.9	0.809	--		
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	
156-59-2	cis-1,2-Dichloroethene	168	0.200	--	666	0.793	--	E	J
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U	
67-66-3	Chloroform	24.7	0.200	--	121	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	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-17	Date Collected	: 02/10/22 16:35
Client ID	: SSVP-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531279	Instrument ID	: AIRLAB15
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	ND	0.200	--	ND	0.705	--	U	
71-55-6	1,1,1-Trichloroethane	4.14	0.200	--	22.6	1.09	--		
71-43-2	Benzene	0.476	0.200	--	1.52	0.639	--		
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U	
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	
79-01-6	Trichloroethene	731	0.200	--	3930	1.07	--	E	J
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	2.84	0.200	--	10.7	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	
127-18-4	Tetrachloroethene	54.6	0.200	--	370	1.36	--		
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U	
100-41-4	Ethylbenzene	0.513	0.200	--	2.23	0.869	--		
179601-23-1	p/m-Xylene	2.74	0.400	--	11.9	1.74	--		
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U	
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-17	Date Collected	: 02/10/22 16:35
Client ID	: SSVP-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/01/22 03:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: RY
Lab File ID	: R1531279	Instrument ID	: AIRLAB15
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	0.789	0.200	--	3.43	0.869	--	
622-96-8	4-Ethyltoluene	0.282	0.200	--	1.39	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.226	0.200	--	1.11	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.20	0.200	--	5.90	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
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-17D	**Date Collected**	: 02/10/22 16:35
Client ID	: SSVP-108	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 03/01/22 11:29
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 25
Analytical Method	: 48,TO-15	**Analyst**	: RY
Lab File ID	: R1531288	**Instrument ID**	: AIRLAB15
Sample Amount	: 10.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
156-59-2	cis-1,2-Dichloroethene	97.6	5.00	--	387	19.8	--	
79-01-6	Trichloroethene	1050	5.00	--	5640	26.9	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-18	Date Collected	: 02/10/22 16:36
Client ID	: IA-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/02/22 00:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531302	Instrument ID	: AIRLAB15
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	0.539	0.200	--	2.67	0.989	--	
74-87-3	Chloromethane	0.561	0.200	--	1.16	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	16.4	5.00	--	30.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.0	1.00	--	33.3	2.38	--	
75-69-4	Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--	
67-63-0	Isopropanol	1.89	0.500	--	4.65	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	4.84	0.500	--	14.3	1.47	--	
141-78-6	Ethyl Acetate	0.824	0.500	--	2.97	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-18	Date Collected	: 02/10/22 16:36
Client ID	: IA-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/02/22 00:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531302	Instrument ID	: AIRLAB15
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	4.47	0.200	--	16.8	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	0.635	0.200	--	2.76	0.869	--	
179601-23-1	p/m-Xylene	2.67	0.400	--	11.6	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.625	0.200	--	2.66	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.40	0.200	--	6.08	0.869	--	
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	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-18	Date Collected	: 02/10/22 16:36
Client ID	: IA-108	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 03/02/22 00:38
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TS
Lab File ID	: R1531302	Instrument ID	: AIRLAB15
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
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**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-02	**Date Collected**	: 02/10/22 16:01
Client ID	: IA-101	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 17:20
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531244_EV2	**Instrument ID**	: AIRLAB15
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	--	
79-01-6	Trichloroethene	0.167	0.020	--	0.897	0.107	--	
127-18-4	Tetrachloroethene	0.048	0.020	--	0.325	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-04	Date Collected	: 02/10/22 15:56
Client ID	: IA-102	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 17:59
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TS
Lab File ID	: R1531245_EV2	Instrument ID	: AIRLAB15
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	0.020	0.020	--	0.079	0.079	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--	
79-01-6	Trichloroethene	0.152	0.020	--	0.817	0.107	--	
127-18-4	Tetrachloroethene	0.046	0.020	--	0.312	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	Lab Number	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	Project Number	: 336744.2022
Lab ID	: L2207379-05	Date Collected	: 02/10/22 15:57
Client ID	: IA-DUP	Date Received	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	Date Analyzed	: 02/25/22 18:40
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TS
Lab File ID	: R1531246_EV2	Instrument ID	: AIRLAB15
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	--	
79-01-6	Trichloroethene	0.171	0.020	--	0.919	0.107	--	
127-18-4	Tetrachloroethene	0.048	0.020	--	0.325	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-07	**Date Collected**	: 02/10/22 16:32
Client ID	: IA-103	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 19:19
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531247_EV2	**Instrument ID**	: AIRLAB15
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	0.080	0.020	--	0.317	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.020	0.020	--	0.109	0.109	--	
56-23-5	Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--	
79-01-6	Trichloroethene	0.730	0.020	--	3.92	0.107	--	
127-18-4	Tetrachloroethene	0.073	0.020	--	0.495	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-09	**Date Collected**	: 02/10/22 16:53
Client ID	: IA-104	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 19:58
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531248_EV2	**Instrument ID**	: AIRLAB15
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	0.130	0.020	--	0.515	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.034	0.020	--	0.186	0.109	--	
56-23-5	Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--	
79-01-6	Trichloroethene	2.03	0.020	--	10.9	0.107	--	
127-18-4	Tetrachloroethene	0.300	0.020	--	2.03	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-11	**Date Collected**	: 02/10/22 16:50
Client ID	: IA-105	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 21:16
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531250_EV2	**Instrument ID**	: AIRLAB15
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	0.115	0.020	--	0.456	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.026	0.020	--	0.142	0.109	--	
56-23-5	Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--	
79-01-6	Trichloroethene	1.61	0.020	--	8.65	0.107	--	
127-18-4	Tetrachloroethene	0.198	0.020	--	1.34	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-13	**Date Collected**	: 02/10/22 16:46
Client ID	: IA-106	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 21:55
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531251_EV2	**Instrument ID**	: AIRLAB15
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	0.143	0.020	--	0.567	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.042	0.020	--	0.229	0.109	--	
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
79-01-6	Trichloroethene	2.39	0.020	--	12.8	0.107	--	
127-18-4	Tetrachloroethene	0.486	0.020	--	3.30	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-15	**Date Collected**	: 02/10/22 16:21
Client ID	: IA-107	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 02/25/22 22:33
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531252_EV2	**Instrument ID**	: AIRLAB15
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	0.469	0.020	--	2.56	0.109	--	
56-23-5	Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--	
79-01-6	Trichloroethene	0.060	0.020	--	0.322	0.107	--	
127-18-4	Tetrachloroethene	0.380	0.020	--	2.58	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-16	**Date Collected**	: 02/10/22 15:45
Client ID	: AA-101	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 03/01/22 22:03
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531298_EV2	**Instrument ID**	: AIRLAB15
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	0.080	0.020	--	0.503	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: TRC Solutions	**Lab Number**	: L2207379
Project Name	: STAR ANCHORS + FASTENERS	**Project Number**	: 336744.2022
Lab ID	: L2207379-18	**Date Collected**	: 02/10/22 16:36
Client ID	: IA-108	**Date Received**	: 02/11/22
Sample Location	: MOUNTAINVILLE, NY	**Date Analyzed**	: 03/02/22 00:38
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TS
Lab File ID	: R1531302_EV2	**Instrument ID**	: AIRLAB15
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	0.061	0.020	--	0.242	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.028	0.020	--	0.153	0.109	--	
56-23-5	Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--	
79-01-6	Trichloroethene	0.844	0.020	--	4.54	0.107	--	
127-18-4	Tetrachloroethene	0.082	0.020	--	0.556	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: L2207379

17 Soil Vapor/Air Samples and 1 Field Duplicate
Collected February 10, 2022

Prepared by: Donald Anné
March 11, 2022

Holding Times: The sample was analyzed within the EPA recommended holding times.

Cannister Pressure: The laboratory reported residual vacuum (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) and the %Ds were below the allowable maximum (30%), as required.

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 samples IA-104, SSVP-106, and AA-101, as required.

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds were within QC limits for vapor/air samples WG1609215-3, WG1609893-3, and WG1610459-3.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (25%) for indoor air field duplicate pair IA-102/IA-DUP (attached table), as required.

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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 acetone and isopropanol in sample SSVP-103; the result for tetrachloroethene in sample SSVP-106; and the results for cis-1,2-dichloroethene and trichloroethene in SSVP-108 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 these compounds is recommended for the samples. It is recommended that the undiluted results be used for all other compounds.

TO-15 SIM
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method TO15 SIM-Volatiles Data for Alpha Analytical, SDG: No: L2207379

9 Air Samples and 1 Field Duplicate Collected February 10, 2022

Prepared by: Donald Anné
March 11, 2022

Holding Times: The sample was analyzed within the EPA recommended holding times.

Cannister Pressure: The laboratory reported residual vacuum (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) and the %Ds were below the allowable maximum (30%), as required.

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 samples IA-104 and AA-101, as required.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for vapor/air samples WG1609214-3 and WG1610458-3.

Field Duplicates: The relative percent differences for applicable SIM compounds were below the allowable maximum (25%) for indoor air field duplicate pair IA-102/IA-DUP (attached table), as required.

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.

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Field Duplicate Calculation Section

Volatiles TO-15

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2207379

S1= IA-102 **S2=** IA-DUP

Analyte	S1	S2	RPD (%)
Dichlorodifluoromethane	0.521	0.531	2%
Chloromethane	0.559	0.568	2%
Ethanol	11.0	11.4	4%
Acetone	7.49	8.39	11%
Trichlorofluoromethane	0.226	0.236	4%
Isopropanol	0.987	0.935	5%
2-Butanone	1.58	1.68	6%
Ethyl Acetate	0.624	0.693	10%
Toluene	3.03	2.66	13%
Ethylbenzene	0.505	0.55	9%
p/m-Xylene	2.55	2.65	4%
Styrene	0.629	0.622	1%
o-Xylene	1.41	1.52	8%
1,2,4-Trimethylbenzene	0.247	0.246	0%
cis-1,2-Dichloroethene (SIM)	0.02	ND	NC
Carbon tetrachloride (SIM)	0.078	0.084	7%
Trichloroethene (SIM)	0.152	0.171	12%
Tetrachloroethene (SIM)	0.046	0.048	4%

* RPD is above the allowable maximum (25%).

All results are in ppv v/v.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

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.