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April 6, 2023

Division of Environmental Remediation
Remedial Bureau E, 12th Floor
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7017

Attention: Charles Gregory, Project Manager

Subject: **January 2023 Soil Vapor Sampling Report; Revision 1**
Scobell Chemical – NYSDOT Site (NYSDEC #828076) Remedial Design WA D009809-26
MACTEC Engineering and Geology, P.C. Project No. 3616216143

Dear Mr. Gregory:

This Soil Vapor Intrusion (SVI) Sampling report has been prepared by MACTEC Engineering and Consulting, P.C. (MACTEC) in response to Work Assignment No. D009809-26 issued by the New York State Department of Environmental Conservation (NYSDEC) for the Scobell Chemical - New York State Department of Transportation (NYSDOT) site (Site) (Figure 1). MACTEC conducted this evaluation on January 10 and 11, 2023 at a commercial facility at 80 Rockwood Place, located adjacent to the Site, to attempt to identify potential sources of trichloroethylene (TCE) in indoor air. Work was conducted on behalf of the NYSDEC under the state superfund program, and in accordance with the April 2020 Superfund Standby Engineering Contract No. D009809 between the NYSDEC and MACTEC and following the "December 2022 Soil Vapor Sampling Work Plan" (MACTEC, 2022).

MACTEC Engineering and Geology, P.C.
511 Congress Street • Portland, Maine 04101 • Phone: 207-775-5401 • Fax: 207-772-4762

SITE HISTORY

The Scobell Chemical –NYSDOT Site is currently owned by the NYSDOT and is located at 1 Rockwood Place in a mixed commercial, industrial, and residential area in the northern section of the Town of Brighton and immediately east of the City of Rochester boundary. The Site occupies approximately 2 acres, contains no structures, is covered with grass and scrub growth, and is surrounded by a chain link fence. The Site located just west of the New York State (NYS) Highway 590 and 490 exchange, with Highway 590 bordering the east and south sides of the Site. Commercial properties border the Site to the west, with 80 Rockwood Place, a mixed commercial facility, located immediately adjacent to the Site (Figure 2). A small surface water drainage ditch parallels the New York Central Railroad Line that is present immediately north of the property. Grass Creek is located north of the Site beyond the railroad line. The nearest residential area is located along Blossom Road approximately 600 feet north of the Site.

The Site is the location of a former chemical repackaging company that operated at this location from the 1920s until 1986. During this time, assorted chemicals were purchased by the company in bulk and repackaged into smaller containers for resale. During operations, the Site had one main building, two smaller structures and four above ground storage tanks. The overall quantities and type of materials handled is unclear; however, subsurface soil and groundwater contamination has resulted from past operations.

In 1988 as part of a NYSDOT highway reconstruction project the site buildings were removed. During this project, the NYSDOT discovered contamination at the Scobell site including abandoned drums and contaminated structures, as well as soil and bedrock contamination. Drums, containing chlorinated volatile organic compounds (VOCs), pesticides/herbicides, and toluene, were found in one of the warehouses. In addition, deteriorated containers, discolored soils, and stained asphalt were found across the Site. As a result of the contamination, the NYSDOT excavated both soil and bedrock for off-site disposal from half of the property for the ability to finish the highway interchange reconstruction. The remainder of the Site was placed on the NYS Registry of Inactive Hazardous Waste Disposal Sites.

VOCs, including chlorinated solvents, can partition from soil and groundwater to soil vapor and

then migrate through the soil column. Soil vapor intrusion (SVI) occurs when soil vapor is drawn into buildings through openings and cracks in foundations and floor slabs. Based on previous soil vapor and indoor air sampling results for TCE at 80 Rockwood Place, located adjacent to the west side of the Site, sub-slab depressurization systems (SSDSs) were installed along the eastern half of the main commercial building and in the former boiler plant at the property to address SVI concerns.

Follow up SVI sampling conducted at the facility in 2016 and 2019 identified potential additional areas of SVI concerns in locations on the west side of the building. However, due to commercial uses of those building locations at the time of sampling, including a bicycle repair shop and print shop, the actual source of the observed indoor air VOC detections was not clear. The New York State Department of Health (NYSDOH) and NYSDEC have offered to upgrade the SSDS at the property; however, it was determined that current VOC concentrations within the building should be verified and the areas of the building with potential SVI concerns be refined.

INVESTIGATION SCOPE OF WORK

This investigation focused on evaluating potential TCE indoor air sources and potential SVI pathways. The investigation was completed using a HAPSITE® portable gas chromatograph/mass spectrometer real-time VOC analyzer following the MACTEC work plan (MACTEC, 2022).

The HAPSITE® ran a selective ion monitoring method which was pre-programmed to detect the contaminant of concern (TCE) for this investigation. The HAPSITE® was run either portable mode, to analyze indoor air samples in real-time, or fixed mode to analyze grab samples collected in tedlar bags. The work conducted for this investigation is described below. Soil vapor and indoor air locations are shown on Figure 2. Field Data Records are included in Attachment 1. The photographic log for select sampling locations, building configuration, and chemical inventory are provided as Attachment 2.

Indoor Air Evaluation

The instrument was used to analyze samples from some of the previous 2016 and 2019 investigation locations. Although some of the samples were analyzed in real-time, due to the limited battery life, most of the samples were collected in tedlar bags using a peristaltic sampling pump and brought to the HAPSITE®, which was located in a heated van parked adjacent to the building.

Samples were collected for analysis by the HAPSITE® at most of the previously sampled indoor air sample locations as outlined in Table 1. Additional samples were then collected from areas of interest identified during the initial sample round. The decision on where to collect the additional grab samples was determined in the field after consultation with the MACTEC project team. Sample locations are shown on Figure 2.

In addition to the HAPSITE samples, eight air samples from previously sampled locations (including one duplicate, and one outdoor ambient air sample), and two soil vapor samples (one previously sampled location and one new location) were collected in Summa type canisters with laboratory calibrated 8-hour (six canisters) and 15-minute (four canisters) flow regulators for off-site analysis by Method TO-15 for comparison purposes (see Table 1 for locations).

Sub-Slab Vapor Evaluation

HAPSITE® sub-slab vapor samples were collected from previous sample locations and new locations, as described in Table 1 and shown on Figure 2. Samples were collected to evaluate areal distribution of sub-slab VOC concentrations across the western half of the building. The floor was evaluated for signs of trenching and other indications of sub-slab utilities (e.g. pipe penetrations, etc.) prior to drilling test holes. Samples were collected using temporary sample points installed through the concrete floor using a hammer drill (as described in the SVI work plan [MACTEC, 2022]).

At each sub-slab soil vapor sampling point, a sample was collected within two-inches of the bottom of the concrete slab using teflon tubing, a peristaltic pump and a tedlar bag. A multi-gas meter was used on some sample locations to evaluate soil vapor and indoor air concentrations of oxygen and carbon dioxide to ensure that there was a good surface seal and that the sub-slab

samples are representative of soil vapor (carbon dioxide concentrations in soil vapor are typically an order of magnitude greater than concentrations in the indoor air). Temporary sample points were sealed with hydraulic cement following sample collection.

SSDS Evaluation

The SSDS installed in 2012 in the former boiler house on the north side of the property was enhanced and checked for radius of influence in 2015 to ensure it depressurized the entire former boiler house. The SSDS installed in 2012 on the eastern half of the main building was designed to depressurize the eastern half of the main building.

The purpose of the 2023 SSDS evaluation was to determine the approximate extent of influence under the main building concrete slab by the SSDS installed in the eastern half of the building in 2012. It is not known if the main building consists of one slab on grade (other than the basement area), or if there are foundation footers that divide sections of foundation. If footers are present, they present an obstruction that would likely limit the influence of the SSDS. The SSDS evaluation was performed by measuring the pressure differential between the indoor air and the sub-slab air using a micromanometer. Although any negative pressure (i.e., vacuum) is considered an effect of the SSDS, pressures readings of -0.004 inches water column (WC) or less (i.e., or more negative), are desired for an optimally functioning system.

Select sub-slab soil vapor sample points were measured for vacuum upon completion of the sampling. This was conducted by removing the tubing and measuring the pressure differential directly in the sample hole, using plastilina modeling clay for a seal. Based on the results in the main building at Common-01, Common-02 and Central, it is assumed that the previous vacuum measurements from 2012 would continue to show a vacuum. Magnehelic results were as follows:

Sample Location Name	**Magnehelic Pressure Differential Reading**
SS-001-Common-01	-0.060 inches WC
SS-001-Common-02	-0.056 inches WC
SS-001-Central	-0.009 inches WC
SS-001-Tryon-01	+0.010 inches WC
SS-004-T7	+0.005 inches WC

RESULTS

Soil Vapor and Indoor Air Results: The HAPSITE® and off-site laboratory results were reviewed by a project chemist. The chemist review for the HAPSITE® data is included in Attachment 3 and the Data Usability Summary Report (DUSR) for the off-site data is included in Attachment 4. HAPSITE® results for TCE, as well as co-located off-site laboratory results for TCE are presented in Table 1. The TCE concentrations obtained from the HAPSITE® are compared to those of the off-site laboratory in the table below.

Media	Sample ID	TCE HAPSITE (ug/m^3)	TCE TO-15 (ug/m^3)	Relative Percent difference
Soil Vapor	SS-001-Central	956	480	66%
Soil Vapor	SS-001-Tryon-01	3759	6300	-51%
Air	IA-001-Tryon	33	25	28%
Air	IA-001-Central	1.9	1.3	38%
Air	IA-001-Boxman	0.54	0.52	4%
Air	IA-001-Print	1.9	1.3	38%
Air	IA-001-NCS	ND	0.2	NA
Air	IA-001-Basement	10.2	11	-8%

The relative percent difference (RPD) for the indoor air samples was within +/- 50%, which is considered good/usable. Although the RPD for the soil vapor results were greater than 50%, they are also considered usable, since results were within the same order of magnitude and soil vapor concentrations under a slab can vary and the samples were taken in sequence. Both the off-site data and HAPSITE® data were determined to be usable as presented based on the chemistry review. The off-site laboratory results for all detected compounds are shown in Table 2 (complete results are presented in the DUSR in Attachment 4 and the validated laboratory data sheets and chain of custody are presented in Attachment 5).

The soil vapor and indoor air results collected across the building indicate that the TCE detected in the indoor air continues to exceed the NYSDOH guidance value of 2 µg/m^3 (TCE was detected at a high concentration of 34 micrograms per cubic meter (µg/m^3) by the HAPSITE® and 26 µg/m^3 by the off-site laboratory). These results are consistent with those collected within the facility in 2019 (maximum detection of 30 µg/ m^3 in February 2019 in the Tryon Bike Shop) when the Tryon Bike Shop and the print shop were active businesses and the presence of chemicals in the facility could not be ruled out as a contributing source of TCE to indoor air. The maximum soil vapor concentration for TCE below the former Tryon Bicycle space was 6,300 µg/m^3 detected by the off-site laboratory. The current results with these businesses no longer active indicate that SVI is likely occurring and is the source of TCE in indoor air in the central and western portion of the main building.

Pressure differential readings and indoor air concentrations indicate that the SSDS system continues to provide mitigation for the eastern section of the building (i.e., former Doggy-Woggy Day Care, current Omni Escape Room), but its influence does not reach the western portion of the building. The southern portion of the building with the current first floor office space (Boxman and former NCS) appears to have low soil vapor concentrations and indoor air concentrations below NYSDOH guidance values, which is consistent with 2015 and 2019 sampling results.

Although a vacuum was not measured in the one vapor point location tested in the former glass blowing studio (currently an antique shop), the indoor air concentrations indicate that the SSDS is functional as designed for the former boiler house. However, the former glass blowing studio gallery which is located between the former boiler house/glass blowing studio and the main building does not appear to be affected by either SSDS system. TCE was detected in the indoor air at this location (IA-004-Gallery) at a concentration of 16 µg/m^3 with the HAPSITE®, exceeding the NYSOH indoor air guidance value.

Based on the results of the investigation, it is recommended that the SSDS at the building be expanded to cover the central and northwestern portion of the site building (i.e., below the former Tryon Bike Shop, print shop, and central/common area), as well as the former glass studio gallery

located between the main building and former boiler house. TCE in the indoor air in these locations of the building currently exceed the NYSDOH guidance value of 2 µg/m^3.

If you have questions or concerns, please contact Charles Staples at 207-775-5401.

Sincerely,

MACTEC Engineering and Geology, P.C.

Charles Staples, PG
Project Manager

Nathan Vogan, PG
Technical Reviewer

Enclosures:

Figure 1	Site Location
Figure 2	Sample Locations
Table 1	HAPSITE® and Off-Site Duplicate Results
Table 2	Off-Site Laboratory Results
Attachment 1	Field Data Records
Attachment 2	Air Sampling Photographic Log
Attachment 3	Off-Site Laboratory Data Usability Summary Report
Attachment 4	HAPSITE® Data Validation Report
Attachment 5	Validated Laboratory Data Sheets and Chain of Custody

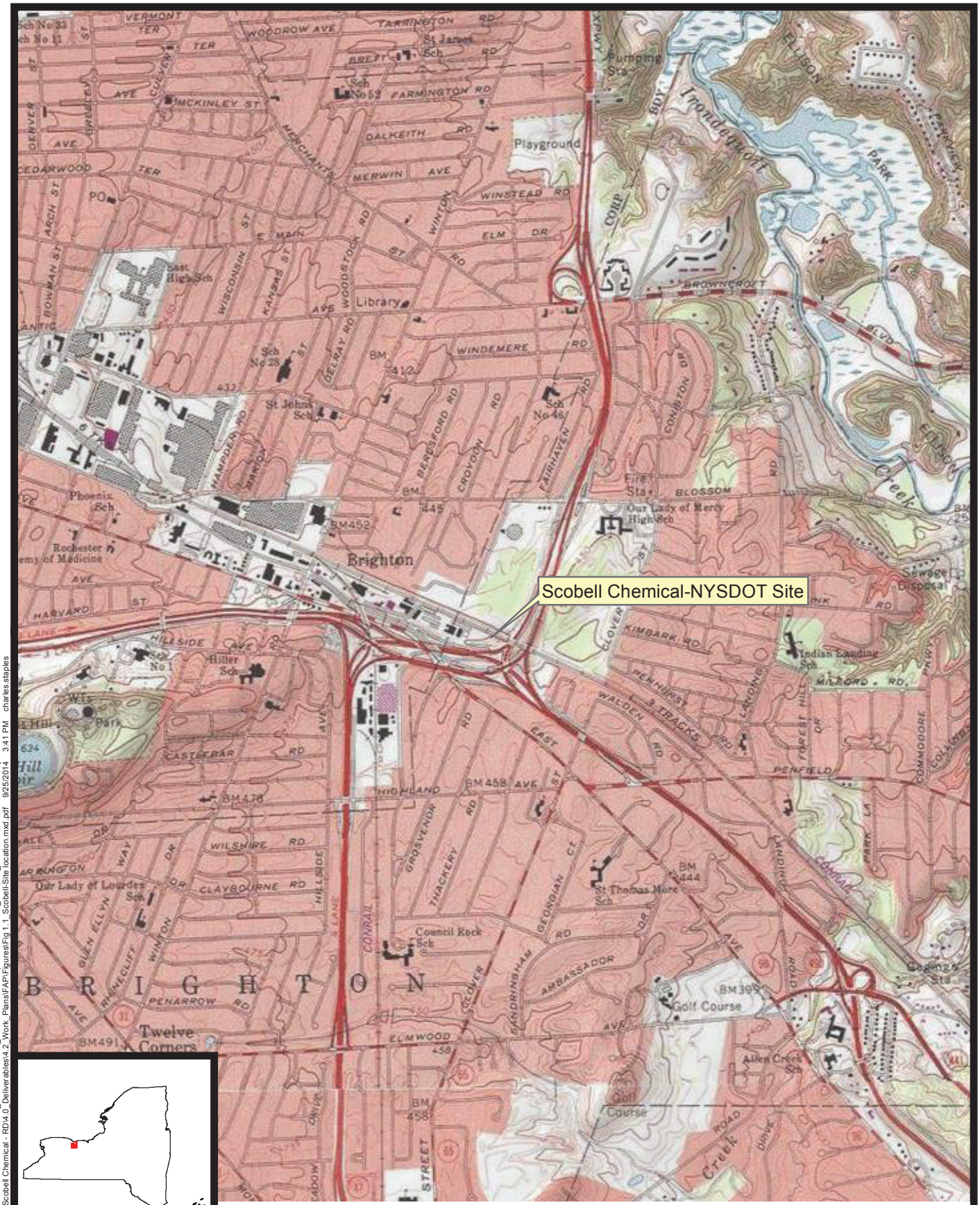
REFERENCES

MACTEC, 2022. December 2022 Soil Vapor Sampling Work Plan. Prepared for the New York State Department of Environmental Conservation, Albany, New York. November 16, 2023.

LIST OF ACRONYMS AND ABBREVIATIONS

DUSR	Data Usability Summary Report
FAP	Field Activities Plan
MACTEC	MACTEC Engineering and Geology, P.C.
$\mu g/m^3$	micrograms per cubic meter
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
RPG	relative percent difference
Site	Scobell Chemical-NYSDOT
SSDS	Sub-Slab Depressurization System
SVI	Soil Vapor Intrusion
TCE	Trichloroethylene
VOCs	volatile organic compounds
WC	Water Column

FIGURES



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Prepared/Date: CRS 09/25/14
Checked/Date: BPN 09/25/14

SCOBELL CHEMICAL-NYSDOT
SITE # 828076
BRIGHTON, NEW YORK

MACTEC

Site Location

Project 3616216143 Figure 1

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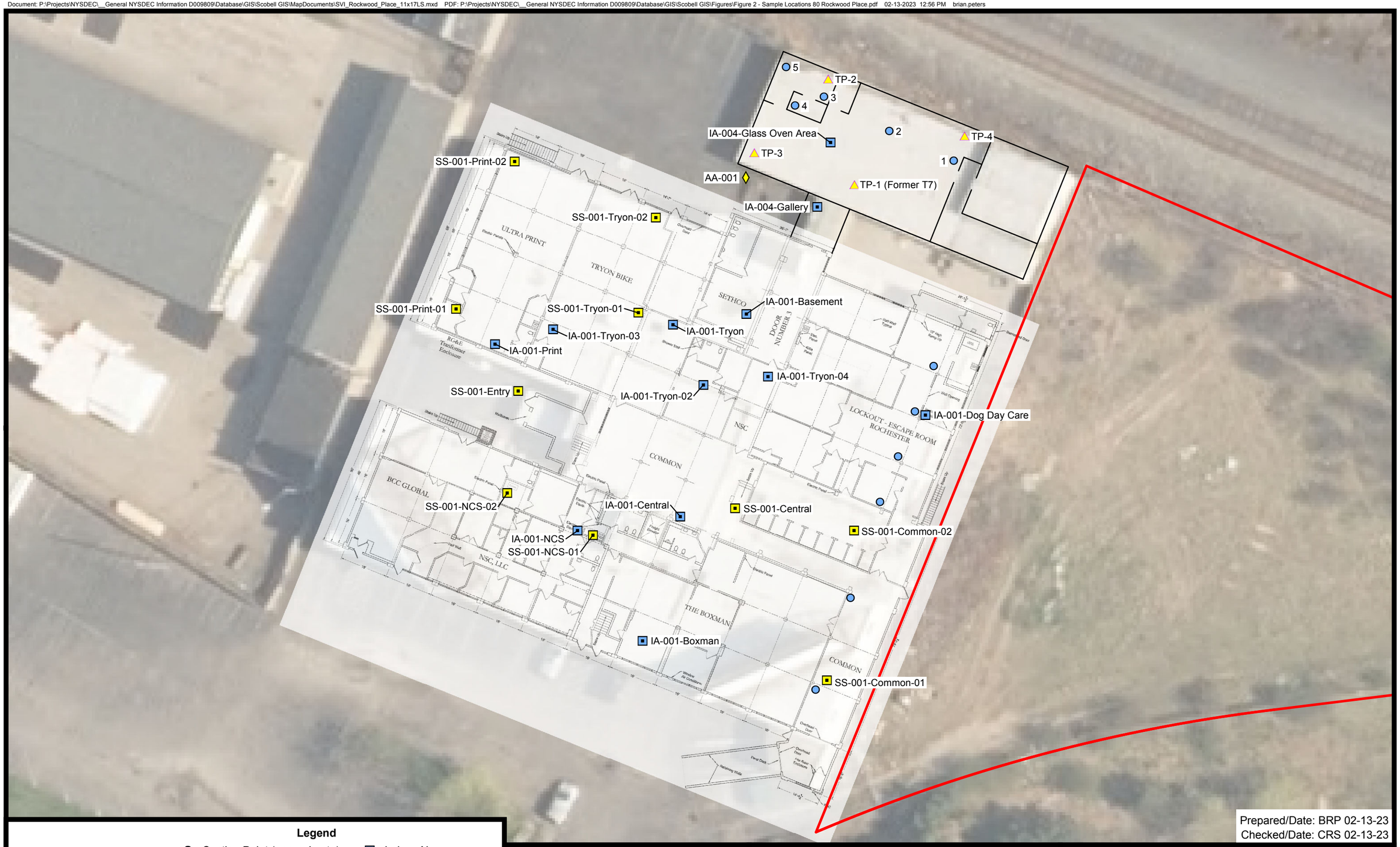


Legend

- Suction Point (approximate)
- Permanent Vacuum Test Point
- Soil Vapor
- Indoor Air
- Ambient Air
- Site Boundary

N

0 15 30 Feet

SCOBELL CHEMICAL-
NYSDOT SITE # 828076
BRIGHTON, NEW YORK

MACTEC

Sample Locations
80 Rockwood Place
Project 3616216143 Figure 2

Prepared/Date: BRP 02-13-23
Checked/Date: CRS 02-13-23

TABLES

Table 1: Hapsite® and Off-Site Duplicate Results

Site Type	Media	Property	Sampling Interval (feet BGS)	Sample ID	TCE HAPSITE (ug/m^3)	TCE TO-15 (grab,ug/m^3)	TCE TO-15 (8 hour, ug/m^3)	Location Type	Comments
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-004-T7	69	-	-	Existing Sample Location	Antique Shop (former glass studio)
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-Central	956	480	-	Previous Sample Location	Center of building
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-COMMON-01	0.8	-	-	New Sample Location	Escape Room
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-COMMON-02	2.5	-	-	New Sample Location	Escape Room
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-NCS-01	3.7	-	-	New Sample Location	Current Bare element closet
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-NCS-02	1.8	-	-	New Sample Location	Current Bare element closet
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-Entry	7.2	-	-	New Sample Location	Exterior boring in bavement
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-01-Print-01	5.3	-	-	New Sample Location	Former Print Shop
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-Print-02	585 E	-	-	New Sample Location	Former Print Shop
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-Tryon-01	3,759	6,300	-	New Sample Location	Former Tryon Bike Shop
Sub-Slab Vapor	Soil Vapor	80 Rockwood	1	SS-001-Tryon-02	1,396	-	-	New Sample Location	Former Tryon Bike Shop
Indoor Air	Air	80 Rockwood	-5	IA-001-Tryon	34	-	25	Previous Sample Location	Former Tryon Bike Shop
Indoor Air (duplicate)	Air	80 Rockwood	-5	IA-001-Tryon-DUP	-	-	26	Previous Sample Location	Former Tryon Bike Shop
Indoor Air	Air	80 Rockwood	-5	IA-001-Central	1.9	-	1.3	Previous Sample Location	Center of building
Indoor Air	Air	80 Rockwood	-5	IA-001-Boxman	0.54	-	0.52	Previous Sample Location	Boxman Space (currantly vacant)
Indoor Air	Air	80 Rockwood	-5	IA-001-DogDaycare	0.7	-	-	Previous Sample Location	Escape Room
Indoor Air	Air	80 Rockwood	-5	IA-001-Print	1.9	1.3	-	Previous Sample Location	Former Print Shop
Indoor Air	Air	80 Rockwood	-5	IA-004-Glass Oven Area	0.54 U	-	-	Previous Sample Location	Antique Shop (former glass studio)
Indoor Air	Air	80 Rockwood	-5	IA-004-Gallery	16	-	-	Previous Sample Location	Antique Shop (former glass gallery)
Indoor Air	Air	80 Rockwood	-5	IA-001-Tryon-02	24.5	-	-	New Sample Location	Former Tryon Bike Shop
Indoor Air	Air	80 Rockwood	-5	IA-001-Tryon-03	14	-	-	New Sample Location	Former Tryon Bike Shop
Indoor Air	Air	80 Rockwood	-5	IA-001-Tryon-04	15	-	-	New Sample Location	Former Tryon Bike Shop
Indoor Air	Air	80 Rockwood	-5	IA-001-NCS	0.54 U	-	0.2	Previous Sample Location	Current Bare element space
Indoor Air	Air	80 Rockwood	-5	IA-001-Basement	10	11	-	Previous Sample Location	Basement
Ambient Air	Air	80 Rockwood	-5	828076-AA-001-01	-	-	0.71 U	Previous Sample Location	Outdoor ambient

NOTES:

For the interior location IDs, the first three digits indicate the building number: 001 = 80 Rockwood Place and 004 = former boiler house;

BGS = below ground surface; "-" indicates above ground sample;

Sample ID for off-site samples included 828076 (NYSDEC Site No.) at beginning of ID

HAPSITE = on-site trichloroethene (TCE) analysis with portable GC/MS

TO-15 = fixed laboratory sample results

ug/m^3 = trichloroethene results in micrograms per cubic meter

- = not analyzed

U in result = not detected; E = result above calibration range and concentration estimated

Prepared by: JKF 1/18/2023
Checked by: CRS 1/24/2023

Table 2: Off-Site Laboratory Results

	Location Name	AA-001		Main Building-Basement		Main Building-Boxman		Main Building-Center		Main Building-Center	
	Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023		1/11/2023	
	Field Sample Id	AA-001-01		IA-001-Basement		IA-001-Boxman		SS-001-Central		IA-001-Central	
	QC Code	FS		FS		FS		FS		FS	
Parameter		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane		0.15	U	**0.32**		0.14	U	**4.8**		0.15	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)		**0.51**	J	**0.51**	J	**0.52**	J	**0.48**	J	**0.52**	J
1,2,4-Trimethylbenzene		0.71	U	**0.65**	J	**0.16**	J	**29**		**0.12**	J
1,2-Dichloro-1,1,2,2-tetrafluoroethane		**0.12**	J	0.78	U	**0.13**	J	3	U	**0.11**	J
1,2-Dichloroethane		0.15	U	0.16	U	0.14	U	0.6	U	0.15	U
1,3,5-Trimethylbenzene		0.71	U	**0.18**	J	0.67	U	**15**		0.69	U
1,3-Butadiene		0.29	U	0.3	U	0.27	U	**1.5**		0.28	U
2-Butanone		**0.36**	J	**1.4**	J	**0.87**	J	**27**		**0.42**	J
2-Hexanone		1.5	U	**0.16**	J	**0.19**	J	**15**		1.5	U
2-Propanol		**0.83**	J	**7.4**		**400**		**63**		**91**	
4-Ethyltoluene		0.73	U	**0.2**	J	0.68	U	**1.1**	J	0.7	U
4-Methyl-2-pentanone		1.5	U	**1.1**	J+	**0.32**	J+	**5.1**	J+	**0.21**	J+
Acetone		**3.3**	J	**38**		**210**		**340**		**66**	
Benzene		**0.48**		**1.7**		**0.6**		**9.4**		**0.51**	
Bromodichloromethane		0.15	U	**0.33**		0.14	U	0.6	U	0.15	U
Bromoform		0.71	U	**0.95**		0.67	U	2.8	U	0.69	U
Carbon disulfide		1.5	U	1.6	U	**0.48**	J	**1.1**	J	1.5	U
Carbon tetrachloride		**0.46**		**0.51**		**0.64**		**1.3**		**0.53**	
Chloroform		0.15	U	**0.74**		**0.57**		**0.96**		**0.26**	
Chloromethane		**0.44**		**0.39**		**0.42**		1.2	U	**0.39**	
cis-1,2-Dichloroethene		0.15	U	0.16	U	0.14	U	**0.7**		0.15	U
Cyclohexane		1.5	U	**0.58**	J	1.4	U	**12**		1.5	U
Dibromochloromethane		0.15	U	**0.41**		0.14	U	0.6	U	0.15	U
Dichlorodifluoromethane		**2.5**		**2.4**		**2.5**		**2.4**	J	**2.4**	
Ethyl acetate		**8.3**	J	**100**	J	**35**	J	12	U	**13**	J
Ethylbenzene		0.71	U	**0.65**	J	**0.15**	J	**2.1**	J	**0.14**	J
Heptane		0.73	U	**0.79**		**0.24**	J	**25**		**0.21**	J
Hexane		**0.3**	J	**3**		**0.5**	J	**32**		**0.5**	J
Isopropylbenzene		0.71	U	0.75	U	0.67	U	**0.44**	J	0.69	U
Methylene chloride		**0.3**	J	**0.57**	J	**0.6**	J	2.8	U	**0.47**	J
Naphthalene		0.71	U	**0.45**	J	0.67	U	**2.2**	J	**0.19**	J
Propylene		0.71	U	**3.8**		**93**		**14**	J	**31**	
Styrene		0.71	U	**0.29**	J	0.67	U	**0.6**	J	0.69	U
Tetrachloroethene		0.15	U	**2.5**		**0.19**		**20**		**0.24**	
Tetrahydrofuran		1.4	U	1.5	U	1.3	U	5.5	U	1.3	U
Toluene		**0.54**	J	**5.7**		**1.3**		**19**		**0.87**	
trans-1,2-Dichloroethene		0.15	U	0.16	U	**0.28**		0.6	U	0.15	U
Trichloroethene		0.15	U	**11**		**0.52**		**480**		**1.3**	
Trichlorofluoromethane		**1.2**		**1.2**		**1.3**		**1.4**	J	**1.4**	
Vinyl chloride		0.15	U	0.16	U	0.14	U	0.6	U	0.15	U
Xylene, o		0.71	U	**0.86**		**0.18**	J	**4.1**		**0.17**	J
Xylenes (m&p)		1.5	U	**2.3**		**0.46**	J	**14**		**0.38**	J

Notes:
Volatile Organic Compounds by Method TO15.
Results in micrograms per cubic meter (µg/m3).
Only detected compounds shown
Detected compounds in bold.
Qualifier
U = not detected at the reporting limit
J = estimated value (+ = potentially biased high)
Location ID:
IA = indoor air sample
SS = Soil Vapor
AA = outdoor ambient air sample
QC Code: FS = Field Sample; FD = Field Duplicate

Table 2: Off-Site Laboratory Results

Location Name	Main Building-NSC		Main Building-Print		Main Building-Tryon		Main Building-Tryon		Main Building-Tryon	
Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023		1/11/2023	
Field Sample Id	IA-001-NCS		IA-001-Print		SS-001-Tryon		IA-001-Tryon		IA-001-Tryon-Dup	
QC Code	FS		FS		FS		FS		FD	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane	0.17	U	0.17	U	**99**		**0.68**		**0.66**	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	**0.53**	J	**0.54**	J	34	U	**0.52**	J	**0.53**	J
1,2,4-Trimethylbenzene	**0.12**	J	**0.27**	J	33	U	**0.3**	J	**0.37**	J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.13**	J	0.86	U	34	U	**0.11**	J	0.73	U
1,2-Dichloroethane	**0.12**	J	0.17	U	7	U	0.14	U	0.15	U
1,3,5-Trimethylbenzene	0.78	U	0.83	U	33	U	0.65	U	**0.11**	J
1,3-Butadiene	0.32	U	0.33	U	13	U	0.26	U	0.28	U
2-Butanone	**0.51**	J	**2**		64	U	**1.6**		**1.1**	J
2-Hexanone	1.7	U	1.7	U	70	U	**0.19**	J	1.5	U
2-Propanol	**3900**		**7.5**		**94**		**13**		**12**	
4-Ethyltoluene	0.8	U	0.84	U	34	U	0.66	U	0.72	U
4-Methyl-2-pentanone	**0.23**	J+	1.7	U	70	U	**0.62**	J+	**0.56**	J+
Acetone	**690**		**9.3**		330	U	**26**		**24**	
Benzene	**0.57**		**0.39**		**15**		**0.95**		**0.95**	
Bromodichloromethane	**0.17**		0.17	U	7	U	0.14	U	0.15	U
Bromoform	0.78	U	0.83	U	33	U	0.65	U	0.7	U
Carbon disulfide	**0.42**	J	1.7	U	70	U	1.4	U	1.5	U
Carbon tetrachloride	**0.86**		**0.47**		**20**		**0.47**		**0.5**	
Chloroform	**1.9**		**0.15**	J	**21**		**0.38**		**0.39**	
Chloromethane	**0.33**		**0.44**		13	U	**0.46**		**0.41**	
cis-1,2-Dichloroethene	0.17	U	0.17	U	**22**		**0.096**	J	0.15	U
Cyclohexane	**0.26**	J	1.7	U	**19**	J	**0.26**	J	**0.26**	J
Dibromochloromethane	0.17	U	0.17	U	7	U	0.14	U	0.15	U
Dichlorodifluoromethane	**2**		**2.6**		34	U	**2.4**		**2.4**	
Ethyl acetate	**13**	J	**2.2**	J	130	U	**7.7**	J	**6.4**	J
Ethylbenzene	**0.26**	J	0.83	U	33	U	**0.29**	J	**0.32**	J
Heptane	**0.55**	J	**0.16**	J	**44**		**0.39**	J	**0.38**	J
Hexane	**0.5**	J	**0.31**	J	**83**		**1.2**		**1.2**	
Isopropylbenzene	0.78	U	0.83	U	33	U	0.65	U	0.7	U
Methylene chloride	**3.1**		**0.35**	J	33	U	**0.48**	J	**0.49**	J
Naphthalene	**0.44**	J	0.83	U	33	U	0.65	U	0.7	U
Propylene	**23**		**3.5**		33	U	**6.3**		**6.3**	
Styrene	**0.29**	J	0.83	U	33	U	0.65	U	**0.12**	J
Tetrachloroethene	**0.57**		0.17	U	**62**		**2.3**		**2.4**	
Tetrahydrofuran	1.5	U	1.6	U	64	U	**0.14**	J	1.4	U
Toluene	**0.8**		**0.89**		**26**	J	**1.6**		**1.7**	
trans-1,2-Dichloroethene	**1.6**		0.17	U	7	U	0.14	U	0.15	U
Trichloroethene	**0.2**		**1.3**		**6300**		**25**		**26**	
Trichlorofluoromethane	**1.2**		**1.2**		33	U	**1.2**		**1.2**	
Vinyl chloride	**0.11**	J	0.17	U	7	U	0.14	U	0.15	U
Xylene, o	**0.32**	J	0.83	U	33	U	**0.37**	J	**0.4**	J
Xylenes (m&p)	**0.86**	J	**0.24**	J	**9.9**	J	**0.94**	J	**1.1**	J

Notes:
Volatile Organic Compounds by Method TO15.
Results in micrograms per cubic meter (µg/m3).
Only detected compounds shown
Detected compounds in bold.
Qualifier
U = not detected at the reporting limit
J = estimated value (+ = potentially biased high)
Location ID:
IA = indoor air sample
SS = Soil Vapor
AA = outdoor ambient air sample
QC Code: FS = Field Sample; FD = Field Duplicate

ATTACHMENT 1

FIELD DATA RECORDS

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: SS-004-T7

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): (INDOOR AIR) (SUBSTRUCTURE SOIL VAPOR) AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID _____ JF 1/11/23

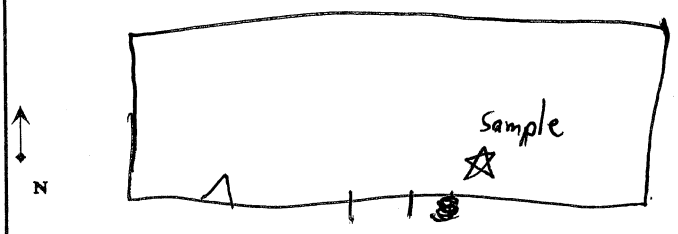
Canister ID: _____

Flow Controller ID: _____

Sample Duration: _____

Sampling Rate (mL/min): _____

LOCATION SKETCH:



Sample ID: SS-004-T7

Date/Time Start: 1/11/23 15:50

Date/Time End: 1/11/23 15:59

Magnehelic Start Pressure: .005

Magnehelic End Pressure: .005

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): NA

PID Meter ID: 050749

O_2/CO_2 Analyzer ID: 051668

Ambient	Before	After
CO_2	400 ppm	400 ppm
O_2	20.9 %	20.9 %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	400 ppm	400 ppm
O_2	20.9 %	20.9 %
PID	1755 ppb	1952 ppb

Feet of Tubing Used: 2'

Tubing Type Used: Silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 8"

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: antique shop

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: permanent vacuum test point

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

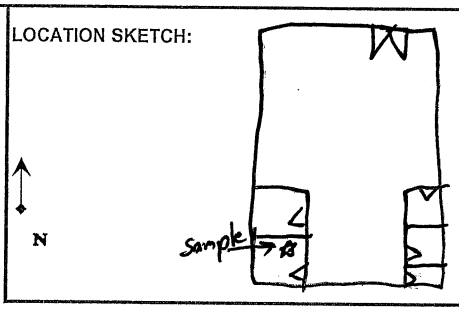
Project Name: Scobell Chemical
Project Number: 3616216143.02.****
Client: NYSDEC

Location ID: SS-001-Pmnt-01
Date: 1/10/23
Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803
Canister ID: NA
Flow Controller ID: NA
Sample Duration: 3 minutes
Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828070-SS-001-Pmnt-01
Date/Time Start: 1/10/23 10:17
Date/Time End: 1/10/23 10:20

Magnehelic Start Pressure: NR
Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR
Barometric Pressure: NR
Hapsite Reading (ppbv): 0.987 ppmv

PID Meter ID: NA
O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	2232 ppm	387 ppm

Feet of Tubing Used: 2'
Tubing Type Used: Silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None
Floor Slab Depth: NA
Intake Height Above Floor (ft): NA
Intake Height Below Floor (ft): 1
Floor Type: (concrete) / dirt / other (specify)
Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other
Room Type: Closet
Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/10/23

Noticable Odor:
Location GPS'ed: Yes No
Distance to Road:
Direction to Closest Building (Degrees):
Distance to Closest Building:
Intake Height Above Ground Level (ft):
Intake Height Below Ground Surface (ft):
Ground Surface: lawn asphalt

Comments: SS

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: AA-001-01

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | SUBSTRUCTURE SOIL VAPOR | (AMBIENT AIR) | VAPOR IMPLANT

Hapsite Inficon ID: NA

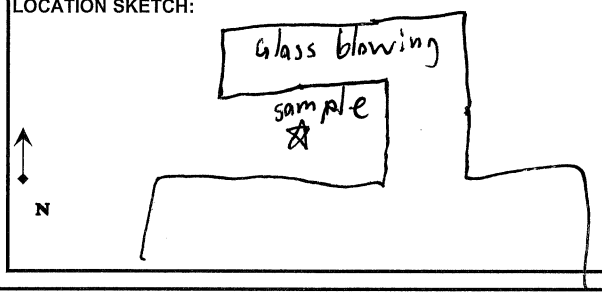
Canister ID: AS00111

Flow Controller ID: SFC00533

Sample Duration: ~~8hr~~ JF 7hr 28min

Sampling Rate (mL/min): 12.05

LOCATION SKETCH:



Sample ID: 828076-AA-001-01

Date/Time Start: 1/11/23 7:39

Date/Time End: 1/11/23 15:07

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

Hapsite Reading (ppbv):

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

JF

For Indoor Sampling Locations:

Noticable Odor: Non-

Floor Slab Depth:

Intake Height Above Floor (ft): 5 Ft

Intake Height Below Floor (ft):

Floor Type: concrete / dirt / (other (specify)) asphalt

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: outdoors

Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations:

Noticable Odor: None

Location GPS'ed: ____ Yes ____ No ✓

Distance to Road: NR

Direction to Closest Building (Degrees): NR

Distance to Closest Building: ~~50 Ft~~ JF 15 Ft

Intake Height Above Ground Level (ft): 5 Ft

Intake Height Below Ground Surface (ft): NA

Ground Surface: lawn (asphalt)

Comments: PI -29

PF -3

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: NYSDEC

Location ID: IA-001-Basement

Date: 1/11/23

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID: H2803

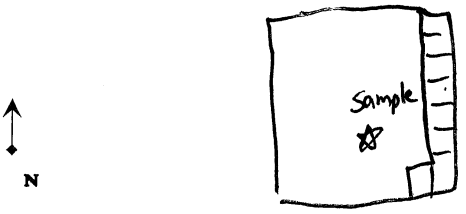
Canister ID: ASO1654

Flow Controller ID: AVG05293

Sample Duration: 15 minutes

Sampling Rate (mL/min): 344

LOCATION SKETCH:



Sample ID: IA-001-Basement

Date/Time Start: 1/11/23 10:27

Date/Time End: 1/11/23 10:42

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

3F 1/11/23

Air Temperature:

Barometric Pressure:

Hapsite Reading (ppbv):

PID Meter ID:

O_2/CO_2 Analyzer ID:

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 1'

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: basement

Story/Level: sub basement / (basement) / 1st Floor / 2nd Floor

SC 1/18/23

For Outdoor Locations:

SC 1/18/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: -28 PI

-4 PE

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

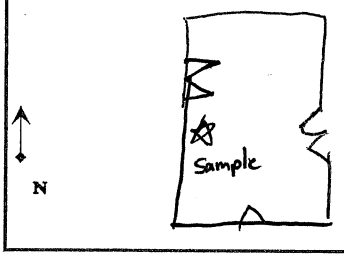
Project Name: Scobell Chemical
Project Number: 3616216143.02.****
Client: NYSDEC

Location ID: SS-001-COMMON-01
Date: 1/10/23
Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803
Canister ID: NA
Flow Controller ID: NA
Sample Duration: ~~NA~~ JF 5 minutes
Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-SS-001-COMMON-01
Date/Time Start: 1/10/23 14:55
Date/Time End: 1/10/23 15:00

Magnehelic Start Pressure: ~~0.000~~ JF
Magnehelic End Pressure: -.060

INFORMATION:

Air Temperature: NR
Barometric Pressure: NR
Hapsite Reading (ppbv): 0.148 ppbv

PID Meter ID: 050749
O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	307 ppb	0 JF ppb

Feet of Tubing Used: 2'
Tubing Type Used: Silicon & HDPE

JF 1/10/23

For Indoor Sampling Locations:

Noticable Odor: None
Floor Slab Depth: NA
Intake Height Above Floor (ft): NA
Intake Height Below Floor (ft): 1
Floor Type: (concrete) / dirt / other (specify)
Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other
Room Type: Common room
Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

Noticable Odor:
Location GPS'ed: Yes No
Distance to Road:
Direction to Closest Building (Degrees):
Distance to Closest Building:
Intake Height Above Ground Level (ft):
Intake Height Below Ground Surface (ft):
Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

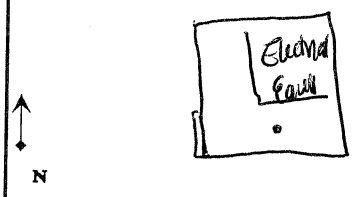
Project Name: Scobell Chemical
Project Number: 3616216143.02.****
Client: NYSDEC

Location ID: SS-001-NCS-01
Date: 1/10/23
Collector: VP JT

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803
Canister ID: NA
Flow Controller ID: NA
Sample Duration: NA
Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-SS-001-NCS-01
Date/Time Start: 1/10/23 0820
Date/Time End: 1/10/23 0826

Magnehelic Start Pressure: NR
Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR
Barometric Pressure: NR
Hapsite Reading (ppbv): 0.090 ppbv

PID Meter ID: NA
O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	NR ppb	0 ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	NR ppb	NR ppb

Feet of Tubing Used: 2'
Tubing Type Used: Silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None
Floor Slab Depth: NR JF NA
Intake Height Above Floor (ft): NA
Intake Height Below Floor (ft): 1
Floor Type: (concrete) / dirt / other (specify)
Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / (other)
Room Type: electrical room
Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/10/23

Noticable Odor:
Location GPS'ed: Yes No
Distance to Road:
Direction to Closest Building (Degrees):
Distance to Closest Building:
Intake Height Above Ground Level (ft):
Intake Height Below Ground Surface (ft):
Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: IA-001-NCS

Date: 1/10/23

Collector: KP JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

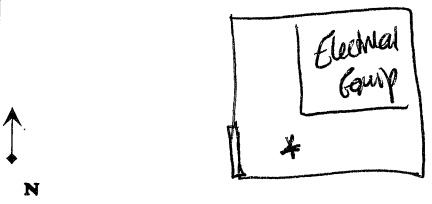
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 10 min

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA001-NCS

Date/Time Start: 1/10/23 0800

Date/Time End: 1/10/23 0802

Magnehelic Start Pressure: N/A

Magnehelic End Pressure: N/A

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): ND

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: ~~NR~~ JF NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: electrical room

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/23

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: SS-001-NLS-02

Date: 1/10/23

Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID H2803

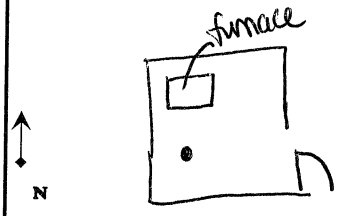
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 4 minutes

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 8280710-SS-001-NLS-02

Date/Time Start: 1/10/23 0836

Date/Time End: 1/10/23 0840

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 0.339 ppbv

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

NR JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: furnace room

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: IA-001-Tyan-02

Date: 1/11/23

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID 412803

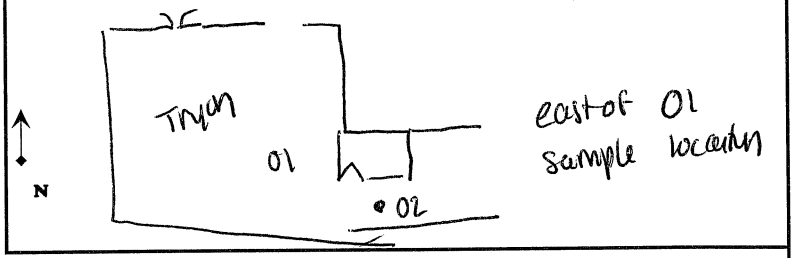
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 1 min

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tyan-02

Date/Time Start: 1/11/23 1145

Date/Time End: 1/11/23 1146

Magnehelic Start Pressure: N/A

Magnehelic End Pressure: N/A

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 4,555 ppbv

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

JF 1/11/23

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None (SC) 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: IA-001-Tryon-03

Date: 1/11/23

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

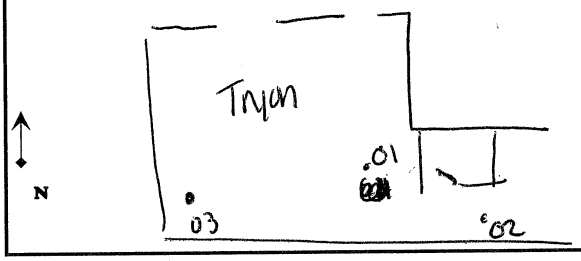
Canister ID: NA

Flow Controller ID: NA

Sample Duration: NA

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tryon-03

Date/Time Start: 1/11/23 12:05

Date/Time End: 1/11/23 12:05

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 2.6ppmv

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

JF 1/11/23

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty/commercial

Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations:

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: IA-001-Tyan-04

Date: 1/11/23

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

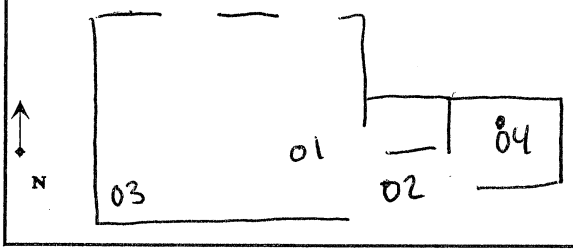
Canister ID: NA

Flow Controller ID: NA

Sample Duration: NA

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tyan-04

Date/Time Start: 1/11/23 12:25

Date/Time End: 1/11/23 12:25

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

Hapsite Reading (ppbv): 2.8 ppbv

JF

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

JF

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used: _____

Tubing Type Used: _____

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/11/23

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: None (SC) 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: IA-004 - Galley

Date: 1/11/23

Collector: VA

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID #2803

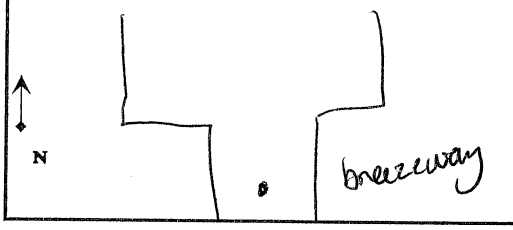
Canister ID: NA

Flow Controller ID: NA

Sample Duration: NA

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-004-Galley

Date/Time Start: 1/11/23 13:46

Date/Time End: 1/11/23 13:47

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION:

Air Temperature: very warm 80°Ft

Barometric Pressure: NA

Hapsite Reading (ppbv): 13 ppbv

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: NA

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: office

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: former galley/office space in breezeway between main building + former glass blowing

Checked By/Date: Stephen Cochrane 1/18/2023

8807 6

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

1/18/23 SC IA-004-Glass Own Area

Location ID: 004-Glass Own Area

Date: 1/11/23

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

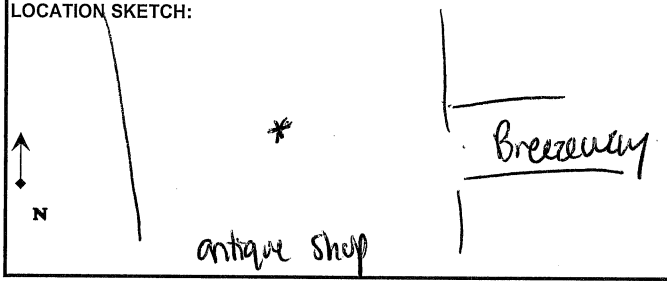
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 6 minutes

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-004-Glass Own Area

Date/Time Start: 1/11/23 0824

Date/Time End: 1/11/23 0830

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 0.050 ppbv

PID Meter ID: NR

O_2/CO_2 Analyzer ID: NR

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: antique room

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: NYSDEC

Location ID: IA-001-Print

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID ~~H20285~~ H2803

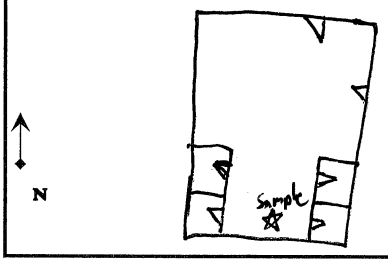
Canister ID: AD02513

Flow Controller ID: QAD01439

Sample Duration: 15 minutes

Sampling Rate (mL/min): 292

LOCATION SKETCH:



828076

Sample ID: IA-001-Print

Date/Time Start: 1/11/23 8:49

Date/Time End: 1/11/23 9:04

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION:

Air Temperature: 58.2 F

Barometric Pressure: NR

Hapsite Reading (ppbv): ~~0.346~~ 0.346 ppbv

PID Meter ID: ~~0~~ JF NA

O_2/CO_2 Analyzer ID: ~~NR~~ JF NA

JF

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

JF 1/11/22

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5'

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

RC 1/18/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: Final psi -8
PI = -30

Checked By/Date: Stephen Cochrane 1/18/23

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: 1A-001-Dog Daycare

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

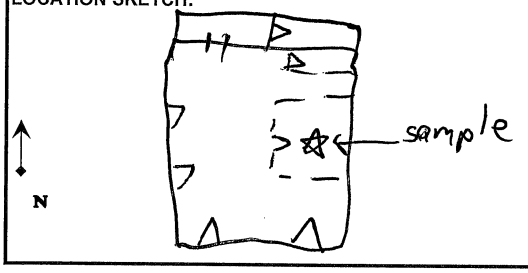
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 8 minutes

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-1A-001-Dog Daycare

Date/Time Start: 1/11/23 9:14

Date/Time End: 1/11/23 9:22

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 0, 123

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5'

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: commercial / office

Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations:

SC 1/18/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: NYSDEC

Location ID: 1A-001-Bxmen

Date: 1/11/23

Collector: KP JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803

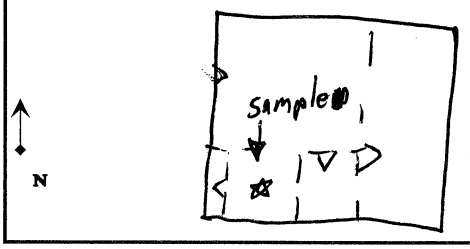
Canister ID: AC01178

Flow Controller ID: SFC00598

Sample Duration: 8 min

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-1A-001-Boxmen

Date/Time Start: 1/11/23 9.46

Date/Time End: 1/11/23 9.55

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

Hapsite Reading (ppbv): 0.101 ppbv

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: commercial/office

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: None SC 1/18/23

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: SS-001-COMMON-02

Date: 1/10/23

Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803

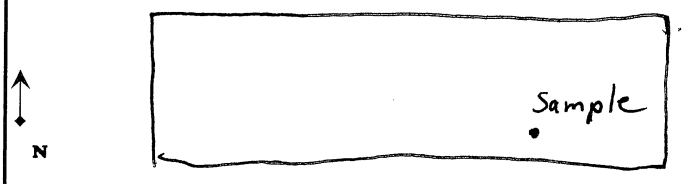
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 3 minutes

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828074-SS-001-COMMON-02

Date/Time Start: 1/10/23 11:42

Date/Time End: 1/10/23 11:45

Magnehelic Start Pressure: NR

Magnehelic End Pressure: -.056

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 0.470 ppm

PID Meter ID: NA JF 050749

O_2/CO_2 Analyzer ID: NA

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	136 ppm	3 ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: common hallway

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: SS

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: SQ JF 1/11/23 IA-001-Tryon

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID N/A SC 1/18/23

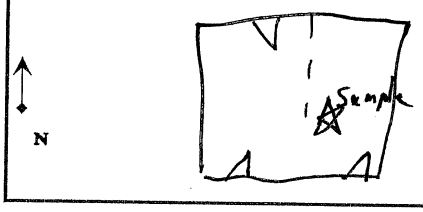
Canister ID: SC00702

Flow Controller ID: SFC00659

Sample Duration: 6hr 18min

Sampling Rate (mL/min): 15.87

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tryon

Date/Time Start: 1/11/23 7:41

Date/Time End: 1/11/23 13:59

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION: JF 1/11/23

Air Temperature:

Barometric Pressure:

Hapsite Reading (ppbv):

PID Meter ID:

O_2/CO_2 Analyzer ID:

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5'

Intake Height Below Floor (ft): NA

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty/commercial

Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: PF -29.5

PF -.1

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: IA-001-Central

Date: 1/11/2023

Collector: KP

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID: H2803

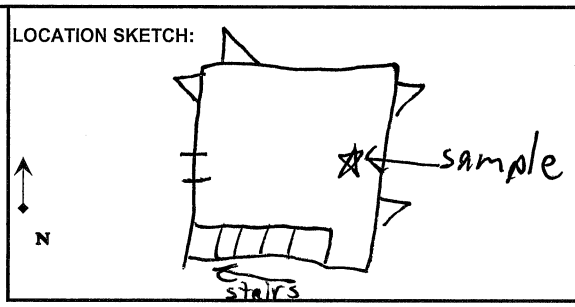
Canister ID: AS01727

Flow Controller ID: SFC00667

Sample Duration: 8hr JF

Sampling Rate (mL/min): 24.39

LOCATION SKETCH:



Sample ID: 828076-001-IA-Central

Date/Time Start: 1/11/23 9:59

Date/Time End: 1/11/23 10:06 HAP 14:06 summa

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION:

Air Temperature: NA

Barometric Pressure: NA

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

Hapsite Reading (ppbv): 0.346

JF 1/11/23

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

JF 1/11/23

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used: _____

Tubing Type Used: _____

For Indoor Sampling Locations:

Noticable Odor: ~~NA~~ JF None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 1'

Intake Height Below Floor (ft): NA

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No ___

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: PJ - 29.5

PF 0

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: SS-001-Tyan-02

Date: 1/10/23

Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803

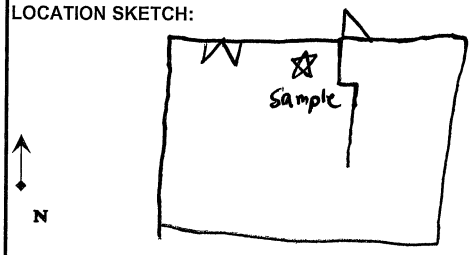
Canister ID: NA

Flow Controller ID: NA

Sample Duration: ~~NA~~ JF NR

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828074-SS-001-Tyan-02

Date/Time Start: 1/10/23 0921

Date/Time End: 1/10/23 0925

Magnehelic Start Pressure: NR

Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NA

Barometric Pressure: NA

Hapsite Reading (ppbv): 2060 ppbv

PID Meter ID: 050749

O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	4611 ppb	3652 ppb

Feet of Tubing Used: 2'

Tubing Type Used: Silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/10/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: S3

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: **Scobell Chemical**

Project Number: **3616216143.02.****

Client: **NYSDEC**

Location ID: SS-001-Tryon-01

Date: 1/11/23

Collector: KP JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID H2803

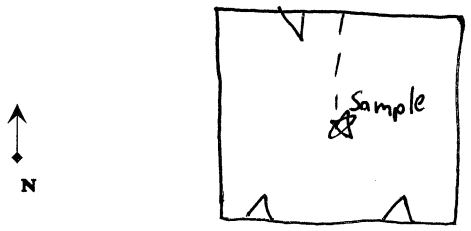
Canister ID: NA

Flow Controller ID: NA

Sample Duration: NR

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: SS-001-Tryon-01

Date/Time Start: 1/11/23

Date/Time End: 1/11/23

Magnehelic Start Pressure: .009

Magnehelic End Pressure: .010

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 70 ppbv

PID Meter ID: 050749

O_2/CO_2 Analyzer ID: 051668

Ambient	Before	After
CO_2	~~600 ppm~~ ~~20.9 %~~	600 ppm %
O_2	~~600~~ 20.9 %	20.9 %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	5400 ppm %	1100 ppm %
O_2	20.2 %	20.9 %
PID	2340 ppm	7466 ppm

Feet of Tubing Used: 2'

Tubing Type Used: silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1'

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/17/23

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: None (SG)

Checked By/Date: Stephen Cochrane / 1-18-2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

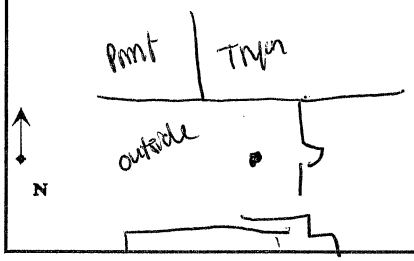
Project Name: Scobell Chemical
Project Number: 3616216143.02.****
Client: NYSDEC

Location ID: SS-001-Entry
Date: 1/11/23
Collector: JF, KP

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803
Canister ID: NA
Flow Controller ID: NA
Sample Duration: 5 minute
Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-SS-001-Entry
Date/Time Start: 1/11/23 13:35
Date/Time End: 1/11/23 13:40

Magnehelic Start Pressure: NR
Magnehelic End Pressure: NR

INFORMATION:

Air Temperature: NR
Barometric Pressure: NR
Hapsite Reading (ppbv): 1,346 ppbv

PID Meter ID: NA
O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	NR ppb	NR ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	NR ppb	NR ppb

Feet of Tubing Used: 2'
Tubing Type Used: Silicon & HDPE

JF 1/11/23

For Indoor Sampling Locations:

Noticable Odor: None
Floor Slab Depth: NA
Intake Height Above Floor (ft): NA
Intake Height Below Floor (ft): 1
Floor Type: concrete / dirt / other (specify) asphault
Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other
Room Type:
Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations:

Noticable Odor: None
Location GPS'ed: Yes No ✓
Distance to Road: NR
Direction to Closest Building (Degrees): NR
Distance to Closest Building: NR
Intake Height Above Ground Level (ft): NA
Intake Height Below Ground Surface (ft): 1
Ground Surface: lawn (asphalt)

Comments: outside building, repaved pavement between buildings

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: IA-001-Tryon-DUP

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID NR

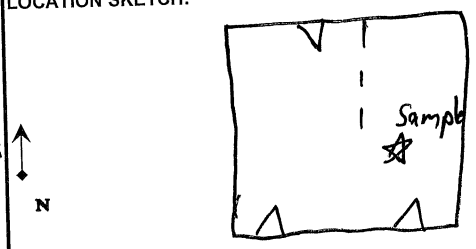
Canister ID: SC02338

Flow Controller ID: SFC00452

Sample Duration: ~~8hr~~ JF 1/11/23 6hr 17mins

Sampling Rate (mL/min): ~~6hr 17~~ JF 1/11/23 14.32 mL/min

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tryon-DUP

Date/Time Start: 1/11/23 7:42

Date/Time End: 1/11/23 13.59

Magnehelic Start Pressure: NA

Magnehelic End Pressure: NA

INFORMATION: JF 1/11/23

Air Temperature:

Barometric Pressure:

Hapsite Reading (ppbv):

PID Meter ID:

O_2/CO_2 Analyzer ID:

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:

Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): 5'

Intake Height Below Floor (ft):

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty/commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:

Location GPS'ed: Yes No

Distance to Road:

Direction to Closest Building (Degrees):

Distance to Closest Building:

Intake Height Above Ground Level (ft):

Intake Height Below Ground Surface (ft):

Ground Surface: lawn asphalt

Comments: PI-30
PF-3

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC
511 Congress Street, Suite 200, Portland, ME 04101

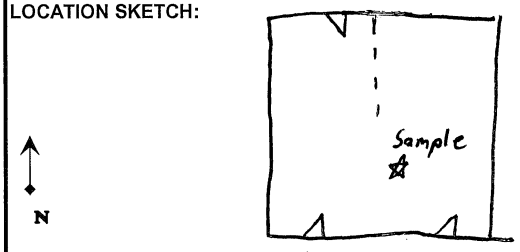
Project Name: **Scobell Chemical**
Project Number: **3616216143.02.****
Client: **NYSDEC**

(SC) Location ID: IA-001-Tryon
Date: 1/11/23
Collector: KP JF

SAMPLE TYPE (Check One): (INDOOR AIR) SUBSTRUCTURE SOIL VAPOR AMBIENT AIR VAPOR IMPLANT

Hapsite Inficon ID H2803
Canister ID: NA
Flow Controller ID: NA
Sample Duration: 6 min
Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 828076-IA-001-Tryon
Date/Time Start: 1/11/23 0902
Date/Time End: 1/11/23 09:08
Magnehelic Start Pressure: NA
Magnehelic End Pressure: NA

INFORMATION: 1/11/23 JF

Air Temperature:
Barometric Pressure:
Hapsite Reading (ppbv):
PID Meter ID:
O_2/CO_2 Analyzer ID:

Ambient	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Leak Test	Before	After
CO_2	%	%
O_2	%	%
PID	ppb	ppb

Feet of Tubing Used:
Tubing Type Used:

For Indoor Sampling Locations:

Noticable Odor: NA
Floor Slab Depth: NA
Intake Height Above Floor (ft): 5
Intake Height Below Floor (ft): NA
Floor Type: (concrete) / dirt / other (specify)
Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other
Room Type: empty/commercial
Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations: JF 1/11/23

Noticable Odor:
Location GPS'ed: Yes No
Distance to Road:
Direction to Closest Building (Degrees):
Distance to Closest Building:
Intake Height Above Ground Level (ft):
Intake Height Below Ground Surface (ft):
Ground Surface: lawn asphalt

Comments: None (SC)

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: SS-001-Pmnt-02

Date: 1/10/23

Collector: JF

SAMPLE TYPE (Check One): INDOOR AIR | (SUBSTRUCTURE SOIL VAPOR) | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803

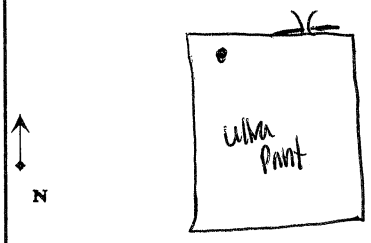
Canister ID: NA

Flow Controller ID: NA

Sample Duration: 3 minutes

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: 8280712-SS-001-Pmnt-02

Date/Time Start: 1/10/23 10:43

Date/Time End: 1/10/23 10:46

Magnehelic Start Pressure: N/A

Magnehelic End Pressure: N/A

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 109 ppbv

PID Meter ID: NA

O_2/CO_2 Analyzer ID: NA

Ambient	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	NR %	NR %
O_2	NR %	NR %
PID	13.07 ppb	345 ppbm

Feet of Tubing Used: 2'

Tubing Type Used: Silicon & HDPE

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1

Floor Type: (concrete) / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / (1st Floor) / 2nd Floor

For Outdoor Locations:

JF 1/10/23

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: SG

Checked By/Date: Stephen Cochrane 1/18/2023

Indoor Air and Soil Vapor Sampling Form

MACTEC

511 Congress Street, Suite 200, Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 3616216143.02.****

Client: NYSDEC

Location ID: SS-001-Central

Date: 1/11/23

Collector: JF

SAMPLE TYPE (Check One): ~~INDOOR AIR~~ JF | SUBSTRUCTURE SOIL VAPOR | AMBIENT AIR | VAPOR IMPLANT

Hapsite Inficon ID: H2803

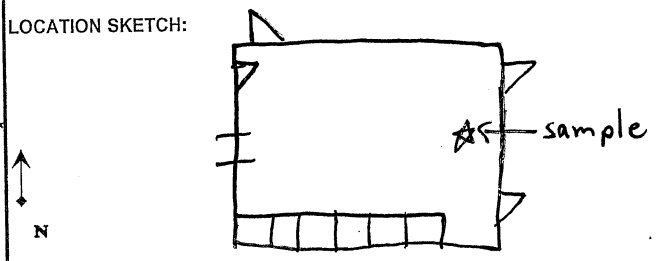
Canister ID: ~~AS01740~~ JF NA

Flow Controller ID: ~~AB-AV60530~~ JF NA

Sample Duration: NR

Sampling Rate (mL/min): NA

LOCATION SKETCH:



Sample ID: SS-001-Central

Date/Time Start: 1/11/23

Date/Time End: 1/11/23

Magnehelic Start Pressure: -.011

Magnehelic End Pressure: -.009

INFORMATION:

Air Temperature: NR

Barometric Pressure: NR

Hapsite Reading (ppbv): 133 ppbv

PID Meter ID: 050749

O_2/CO_2 Analyzer ID: 051668

Ambient	Before	After
CO_2	400 ppm	400 ppm
O_2	20.9 %	20.9 %
PID	0 ppb	0 ppb

Leak Test	Before	After
CO_2	100 ppm	100 ppm
O_2	20.9 %	20.9 %
PID	3758 ppb	2222 ppb

Feet of Tubing Used: 2'

Tubing Type Used: silicon & HDPE

JF 1/11/23

For Indoor Sampling Locations:

Noticable Odor: None

Floor Slab Depth: NA

Intake Height Above Floor (ft): NA

Intake Height Below Floor (ft): 1'

Floor Type: concrete / dirt / other (specify)

Vapor Entry Points: sump / utility entry / cracks / HVAC Diffuser / other

Room Type: empty / commercial

Story/Level: sub basement / basement / 1st Floor / 2nd Floor

For Outdoor Locations:

Noticable Odor: _____

Location GPS'ed: _____ Yes _____ No

Distance to Road: _____

Direction to Closest Building (Degrees): _____

Distance to Closest Building: _____

Intake Height Above Ground Level (ft): _____

Intake Height Below Ground Surface (ft): _____

Ground Surface: lawn asphalt

Comments: PI-29
PF-4

Checked By/Date: Stephen Cochrane 1/18/2023

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: _____ Address: 80 Rockwood Place Rochester, NY 14610

Sampling Information

Sampler Name(s): Josh Fletcher

Sampler Company Code: MACTEC

Sample Collection Date: 11/01/2023

Date Samples Sent To Lab: 1/12/23

Sample Chain of Custody Number: _____

Outdoor Air Sample Location ID: AA-001-01

SUMMA Canister Information

Sample ID:	IA-001-Basement	IA-001-Print	SS-001-Tryon	SS-001-Central	IA-001-NCS
Location Code:					
Location Type:					
Canister ID:	AS01654	A002513	AC02416	A501440	AC02015
Regulator ID:	AVG05293	0A01439	0A00515	0A00800	SFC00553
Matrix:	Indoor Air	Indoor Air	Soil Vapor	Soil Vapor	Indoor Air
Sampling Method:					

Sampling Area Info

JF 2/10/23

Slab Thickness (inches):			8-inches	8-inches	
Sub-Slab Material:			Sand	Sand	
Sub-Slab Moisture:					
Seal Type:			Clay	Clay	
Seal Adequate?:	☐	☐	☒	☒	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	11/01/23 10:27	11/01/2023 8:49	11/01/2023 14:24	11/01/2023 15:01	11/01/2023 8:07
Vacuum Gauge Start:	-28	-30	-30	-29	-30
Sample End Date/Time:	11/01/23 10:42	11/01/2023 9:04	11/01/2023 14:39	11/01/2023 15:16	NR
Vacuum Gauge End:	-4	-8	-8	-4	-5
Sample Duration (hrs):	15 mins	15 mins	15 mins	15 mins	NR
Vacuum Gauge Unit:	in Hg	in Hg	in Hg	in Hg	in Hg

Sample QA/QC Readings

JF 2/10/23

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
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: _____ Address: 80 Rockwood Place Rochester, NY 14610

Sampling Information

Sampler Name(s): Josh Fletcher

Sampler Company Code: MACTEC

Sample Collection Date: 11/01/2023

Date Samples Sent To Lab: 1/12/23

Sample Chain of Custody Number: _____

Outdoor Air Sample Location ID: AA-001-01

SUMMA Canister Information

Sample ID:	1A-001-Tryon-DUP	1A-001-Tryon	1A-001-Central	1A-001-Boxmen	AA-001-01
Location Code:					
Location Type:					
Canister ID:	SC02338	SC00702	AS01727	AC01178	AS00111
Regulator ID:	SFC00452	SFC00659	SFC00667	SFC00598	SFC00533
Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
Sampling Method:					

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

2/10/23 JF

Sample Times and Vacuum Readings

Sample Start Date/Time:	~~11/01/2023~~ 11/1/23* 7:42	~~11/01/2023~~ 11/1/23* 7:41	11/01/2023 ~~07:48~~ 04:59*	11/01/2023 ~~07:51~~ 09:46*	11/01/2023 7:39
Vacuum Gauge Start:	-30.0	-29.5	-29.5	-30	-29
Sample End Date/Time:	~~11/01/23~~ 11/1/23* 13:59	~~11/01/23~~ 11/1/23* 13:59	11/01/2023 14:06	NR	11/01/2023 15:07
Vacuum Gauge End:	-3	-.1	0	-1	-3
Sample Duration (hrs):	6 hrs 17 mins	6hr 18mins	6hr 22 mins	NR	7hr 28mins
Vacuum Gauge Unit:	in Hg	in Hg	in Hg	in Hg	inHg

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☑
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

JF 2/10/23

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

ATTACHMENT 2

AIR SAMPLING PHOTOGRAPHIC LOG

Attachment 1 – Air Sampling Photographic Log

Client: NYSDEC	***Project Number:*** 3616216143.02.****
Site Name: Scobell Chemical	***Site Location:*** Rochester, New York

Photographer:
Joshua Fletcher

Date:
January 10-11, 2023

Photograph: 1

Direction:
Northeast

Description:
Sample IA-001-Basement being taken with a SUMMA canister.

Photographer:
Joshua Fletcher

Date:
January 10-11, 2023

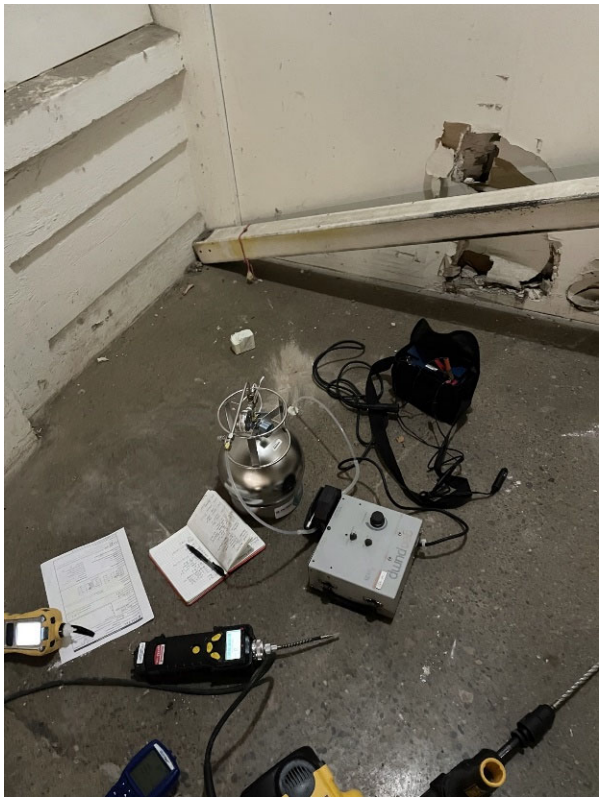
Photograph: 2

Direction:
South

Description:
Basement piping system

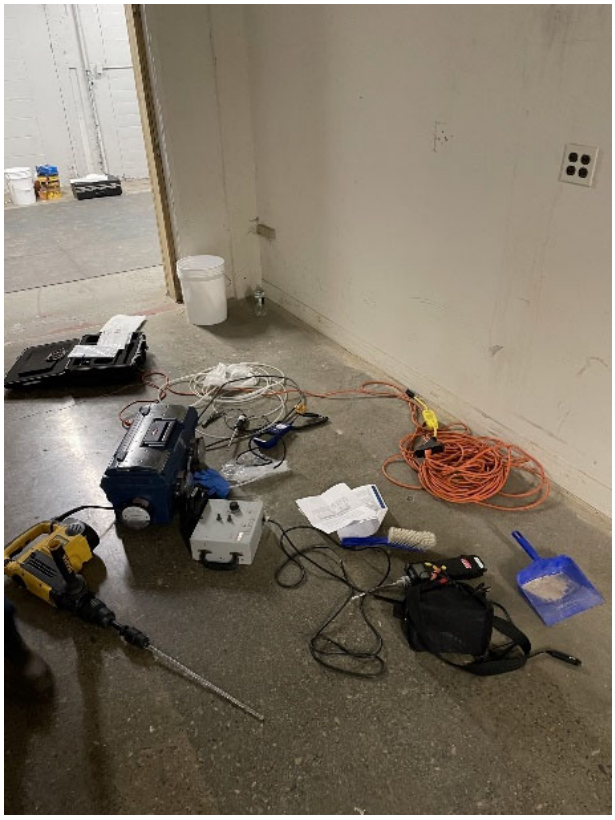
Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 3 ***Direction:*** South ***Description:*** Basement sump pump.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 4 ***Direction:*** Southeast ***Description:*** Sample SS-001-Central being collected with a 15 minute SUMMA canister.	

Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 5 ***Direction:*** West ***Description:*** Sample SS-001 Common-02 being set for collection with a SUMMA canister.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 6 ***Direction:*** Southwest ***Description:*** Sample IA-001-Boxman being collected with the HAPSITE.	

Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 7 ***Direction:*** East ***Description:*** Sample IA-001-DogDayCare being collected with the HAPSITE.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 8 ***Direction:*** West ***Description:*** Supply room chemicals in the current escape room unit.	

Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 9 ***Direction:*** East ***Description:*** Sample IA-004-Glass Oven Area being collected with the HAPSITE.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 10 ***Direction:*** North ***Description:*** Supply room chemicals in the current antique shop.	

Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 11 ***Direction:*** East ***Description:*** Supply room chemicals in the current antique shop.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 12 ***Direction:*** East ***Description:*** Sample IA-001-NCS being taken with a SUMMA canister.	

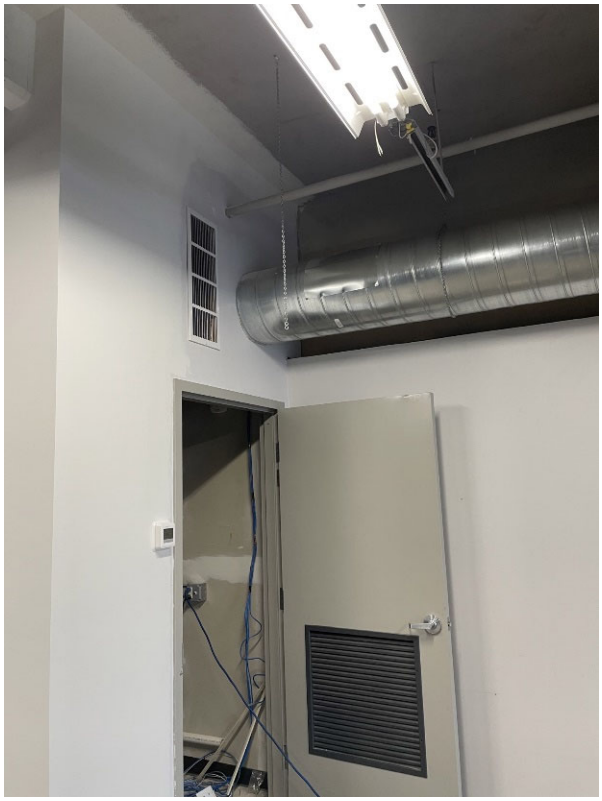
Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 13 ***Direction:*** East ***Description:*** Bathroom chemicals in the former print shop.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 14 ***Direction:*** Northeast ***Description:*** Sample IA-001-Tryon being taken with the HAPSITE.	

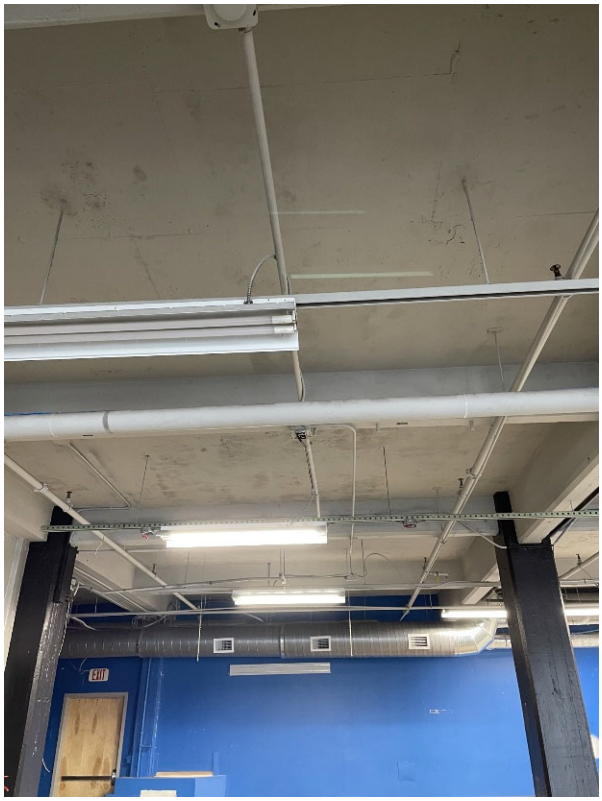
Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 15 ***Direction:*** East ***Description:*** Sample location of IA-001-Tryon-02.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 16 ***Direction:*** West ***Description:*** Sample location of IA-001-Tryon-03.	

Attachment 1 – Air Sampling Photographic Log

Client:	NYSDEC	***Project Number:***	3616216143.02.****
Site Name:	Scobell Chemical	***Site Location:***	Rochester, New York

Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 17 ***Direction:*** East ***Description:*** Floor crack near sample location IA-001-Tryon-01.	
Photographer: Joshua Fletcher ***Date:*** January 10-11, 2023 ***Photograph:*** 18 ***Direction:*** North ***Description:*** Overhead at sample location SS-001-Tryon-01.	

ATTACHMENT 3

HAPSITE® VALIDATION REPORT

DATA VALIDATION SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

1.0 INTRODUCTION

Data validation was completed on indoor air and sub-slab air samples collected by MACTEC Engineering and Geology, PC. (MACTEC) during sampling completed in January 2023 at the Scobell Chemical Site. Samples were analyzed using a HAPSITE® portable gas chromatograph/mass spectrometer (GC/MS) using procedures described in the New York State Department of Environmental Conservation (NYSDEC) Field Activities Plan (FAP) Memo (November 2022) and the Wood Standard Operating Procedure (SOP) for Hapsite GC/MS Field Instrument Operation and On-site Sample Analysis of VOC Grab Samples (Wood, 2019). A summary of samples included in this report is presented on Table 1.

Data validation was completed using procedures described in the field activities plan memo. Data qualifications were completed using the professional judgment of the validation chemist and general procedures specified in USEPA national data validation guidelines (USEPA, 2017).

During the data validation the following data quality indicators were reviewed:

- Data Completeness
- Sample Collection and Holding Times
- QC Blanks
- Initial and Continuing Calibration
- Internal Standard Response
- Field Duplicates
- Project Reporting Limits
- Electronic Data Verification

Data qualifications are completed if necessary in accordance with the guidelines using the following qualifiers:

U = The target compound was not detected at a concentration greater than, or equal to, the quantitation limit.
E = The reported concentration exceeded the calibration range and is considered an estimated value.

A summary of final results is presented in Table 2. There were no data quality issues or data qualification actions during the data validation review. Sample results are interpreted to be usable as reported by the field chemist.

2.0 DATA VALIDATION ACTIONS AND OBSERVATIONS

Quality control (QC) parameters and measurements checked during validation met requirements in the analytical method and/or validation guidelines. Unless specified below, results are interpreted to be usable as reported by the laboratory.

2.1 HAPSITE® TCE

Data were evaluated based on the following parameters:

* Data Completeness
* Collection and Preservation
* Holding Times
* QC Blanks
* Initial Calibration
* Continuing Calibration
* Internal Standard Response
* Field Duplicates
* Reporting Limits
* Electronic Data Verification

* - QC criteria were met for this parameter.

Calibration Range Exceeded

The results for sample SS-001-Print-02 sampled on January 10, 2023 was qualified estimated E due to concentration exceeding the calibration range of the method.

Field Duplicate Results

Field duplicate samples were not collected.

References:

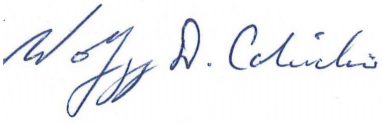
MACTEC Engineering and Consulting (MACTEC), 2022. "December 2022 Soil Vapor Sampling Workplan, Scobell Chemical-NYSDOT Site (NYSDEC #828076) Remedial Design WA D009809-26", MACTEC Engioneering and Geology, P.C. Project No. 36116216143, November 16, 2022.

U.S. Environmental Protection Agency (USEPA), 2017. "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Data Review"; Office of Emergency and Remedial Response; EPA-540-/R-2017-002; January 2017.

HAPSITE® Chemist: Kassidy Patoine

February 13, 2023

Data Validator: Wolfgang D. Calicchio



February 13, 2023

TABLE 1 - SAMPLE SUMMARY
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

SDG	Location	Field Sample ID	Field Sample Date	Media	Lab Sample ID	Method QC Code	HPD Count	TB Count
HP_01_2023	Basement	IA-001-Basement	1/11/2023	AIR	IA-001-Basement	FS		1
HP_01_2023	Boxman	IA-001-Boxman	1/11/2023	AIR	IA-001-Boxman	FS	1	
HP_01_2023	Central	IA-001-Central	1/11/2023	AIR	IA-001-Central	FS	1	
HP_01_2023	Central	SS-001-Central	1/11/2023	SV	SS-001-Central	FS		1
HP_01_2023	Central	SS-001-Central	1/11/2023	SV	SS-001-Central_a	FS		1
HP_01_2023	Common-01	SS-001-Common-01	1/10/2023	SV	SS-001-Common-01	FS		1
HP_01_2023	Common-02	SS-001-Common-02	1/10/2023	SV	SS-001-Common-02	FS		1
HP_01_2023	Dog Day Care	IA-001-Dog Day Care	1/11/2023	AIR	IA-001-Dog Day Care	FS	1	
HP_01_2023	Entry	SS-001-Entry	1/11/2023	SV	SS-001-Entry	FS		1
HP_01_2023	Gallery	IA-004-Gallery	1/11/2023	AIR	IA-004-Gallery	FS		1
HP_01_2023	Glass Oven Area	IA-004-Glass Oven Area	1/11/2023	AIR	IA-004-Glass Oven Area	FS	1	
HP_01_2023	NCS	IA-001-NCS	1/10/2023	AIR	IA-001-NCS	FS		1
HP_01_2023	NCS-01	SS-001-NCS-01	1/10/2023	SV	SS-001-NCS-01	FS		1
HP_01_2023	NCS-02	SS-001-NCS-02	1/10/2023	SV	SS-001-NCS-02	FS		1
HP_01_2023	Print	IA-001-Print	1/11/2023	AIR	IA-001-Print	FS	1	
HP_01_2023	Print-01	SS-001-Print-01	1/10/2023	SV	SS-001-Print-01	FS		1
HP_01_2023	Print-02	SS-001-Print-02	1/10/2023	SV	SS-001-Print-02	FS		1
HP_01_2023	T7	SS-004-T7	1/11/2023	SV	SS-004-T7	FS		1
HP_01_2023	Tryon-01	IA-001-Tryon-01	1/11/2023	AIR	IA-001-Tryon-01	FS	1	
HP_01_2023	Tryon-01	SS-001-Tryon-01	1/11/2023	SV	SS-001-Tryon-01	FS		1
HP_01_2023	Tryon-02	IA-001-Tryon-02	1/11/2023	AIR	IA-001-Tryon-02	FS		1
HP_01_2023	Tryon-02	SS-001-Tryon-02	1/10/2023	SV	SS-001-Tryon-02	FS		1
HP_01_2023	Tryon-02	SS-001-Tryon-02	1/10/2023	SV	SS-001-Tryon-02_a	FS		1
HP_01_2023	Tryon-03	IA-001-Tryon-03	1/11/2023	AIR	IA-001-Tryon-03	FS		1
HP_01_2023	Tryon-04	IA-001-Tryon-04	1/11/2023	AIR	IA-001-Tryon-04	FS		1

Notes:
Air = indoor air
FS = field sample
HPD = Hapsite direct
SV = soil vapor
TB = tedlar bag

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023		HP_01_2023	
		Location	Basement		Boxman		Central		Central	
		Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023	
		Sample ID	IA-001-Basement		IA-001-Boxman		IA-001-Central		SS-001-Central	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3			0.54		1.9			
TB	Trichloroethene	UG/M3	10.2						913	

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023		HP_01_2023	
		Location	Common-01		Common-02		Dog Day Care		Entry	
		Sample Date	1/10/2023		1/10/2023		1/11/2023		1/11/2023	
		Sample ID	SS-001-Common-01		SS-001-Common-02		IA-001-Dog Day Care		SS-001-Entry	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3					0.66			
TB	Trichloroethene	UG/M3	0.80		2.5				7.3	

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023		HP_01_2023	
		Location	Gallery		Glass Oven Area		NCS		NCS-01	
		Sample Date	1/11/2023		1/11/2023		1/10/2023		1/10/2023	
		Sample ID	IA-004-Gallery		IA-004-Glass Oven Area		IA-001-NCS		SS-001-NCS-01	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3			0.54	U				
TB	Trichloroethene	UG/M3	16				0.54	U	3.7	

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023		HP_01_2023	
		Location	NCS-02		Print		Print-01		Print-02	
		Sample Date	1/10/2023		1/11/2023		1/10/2023		1/10/2023	
		Sample ID	SS-001-NCS-02		IA-001-Print		SS-001-Print-01		SS-001-Print-02	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3			1.9					
TB	Trichloroethene	UG/M3	1.8				5.3		585	E

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023		HP_01_2023	
		Location	T7		Tryon-01		Tryon-01		Tryon-02	
		Sample Date	1/11/2023		1/11/2023		1/11/2023		1/10/2023	
		Sample ID	SS-004-T7		IA-001-Tryon-01		SS-001-Tryon-01		SS-001-Tryon-02	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3			34					
TB	Trichloroethene	UG/M3	69				3,759		1,396	

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

TABLE 2 - SAMPLE RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 HAPSITE AIR SAMPLING EVENT
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

		SDG	HP_01_2023		HP_01_2023		HP_01_2023	
		Location	Tryon-02		Tryon-03		Tryon-04	
		Sample Date	1/11/2023		1/11/2023		1/11/2023	
		Sample ID	IA-001-Tryon-02		IA-001-Tryon-03		IA-001-Tryon-04	
		QC Code	FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
HPD	Trichloroethene	UG/M3						
TB	Trichloroethene	UG/M3	24		14		15	

Notes:

U = undetected

HPD = Hapsite direct

TB = tedlar bag

FS = field sample

UG/M3 = micrograms per cubic meter

VOCs

NYSDEC DUSR PROJECT CHEMIST REVIEW RECORD

Project: Scobell Chemical Site

Method: HAPSITE

Laboratory: MACTEC **SDG(s):** HP_01_20023

Date: 02/13/2023

Reviewer: Wolfgang Calicchio

Review Level [X] NYSDEC DUSR [ ] USEPA Region II Guideline

Check if Reviewed

1. [✔] **Case Narrative Review and COC/Data Package Completeness**
   Were problems noted? YES [✔] NO [ ]

   Are Field Sample IDs and Locations assigned correctly? YES [✔] NO [ ]

   Were all the samples on the COC analyzed for the requested analyses? YES [ ] NO [ ]

Field sampling event, no COC

2. [✔] **Holding time and Sample Collection**
   All samples were analyzed within the 14-day holding time. YES [✔] NO [ ]

3. [✔] **QC Blanks**
   Are method blanks free of contamination? YES [✔] NO [ ]

   Are Trip blanks free of contamination? YES [ ] NO [ ]

   Are Rinse blanks free of contamination? YES [ ] NO [ ] NA [✔]

No trip blanks, samples analyzed immediateley in the field

4. [✔] **Instrument Tuning – Data Package Narrative Review**
   Did the laboratory narrative identify any results that were not within method criteria?
   YES [ ] NO [✔]

   If yes, use professional judgment to evaluate data and qualify results if needed

5. [✔] **Instrument Calibration – Data Package Narrative Review**
   Did the laboratory narrative identify compounds that were not within criteria in the initial and/or continuing calibration standards? YES [ ] NO [✔]

   Continuing Calibration %D = 30%

   Did the laboratory qualify results based on initial or continuing calibration exceedances?
   YES NO

   [ ] [✔]

If yes to above, use professional judgment to evaluate data and qualify results if needed

6. **Internal Standards – Data Package Narrative Review**
(Area Limits = -50% to +100%, RTs within 30 seconds of daily CCAL standard (or ICAL mid-point if samples follow ICAL)

Did the laboratory narrative identify any sample internal standards that were not within criteria? YES ☐ NO ☑

Did the laboratory qualify results based on internal standard exceedances? YES ☐ NO ☑
If yes to above, use professional judgment to evaluate data and qualify results if needed

7. ☐ **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
Were all results within Region II limits? YES ☐ NO ☐

Surrogates are not available for the HAPSITE analysis method

8. ☐ **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
Were MS/MSDs submitted/analyzed? YES ☐ NO ☐

Were all results within the Region II limits? YES ☐ NO ☐ NA ☑

Matrix Spikes were not performed

9. ☐ **Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
Were Field Duplicates submitted/analyzed? YES ☐ NO ☐

Were all results within Region II limits? (soil RPD<100, water RPD<50) YES ☐ NO ☐ NA ☑

Duplicate samples were not performed

10. ☐ **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
Were all results within Region II control limits? YES ☐ NO ☐

LCS samples were not analyzed as per the SOP

11. ☑ **Reporting Limits:** Were samples analyzed at a dilution? YES ☑ NO ☐

All diluted samples had target analyte detections requiring dilution analysis

12. ☑ **Raw Data Review and Calculation Checks**

13. ☑ **Electronic Data Review and Edits**
Does the EDD match the Form Is? YES ☑ NO ☐

14. ☑ **Tables and TIC Review**
Table 1 (Samples and Analytical Methods)
Table 2 (Analytical Results)
Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES ☑ NO ☐

Table 4 (TICs) Did lab report TICs? YES ☐ NO ☑

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1/10/2023 INSTRUMENT: H2803 BOOK NUMBER: I

Cal Standard prep

Stock 10.2 ppm TCE ↔ 10,200 ppbv TCE
RESTEK Lot # 100-402339-75U

A) 1020 ppbv Std
100 mL Stock TCE + 900 mL UHP N_2 = 1000 mL 1020 ppbv TCE

B) 102 ppbv Std
100 mL A + 900 mL UHP N_2 = 1000 mL 102 ppbv TCE

C) 10.2 ppbv Std (3x)
100 mL B + 900 mL UHP N_2 = 1000 mL 10.2 ppbv TCE

1/10/23

1/10/23
Field Chemist - Signed

2/13/2023
Review Chemist - Signed

Sample Run Log
Scobell Chemical
Brighton, New York

I

DATE: 1 /10 /2023 **INSTRUMENT:** H2803 **BOOK NUMBER:** ________

ICAL Standard Prep

A) Stock 10.2 ppm TCE ↔ 10,200 ppbv TCE
Restek lot #: 1620-402339 4568-1

B) 1020 ppbv Std
100 mL A + 900 mL UHP N_2 = 1000 mL 1020 ppbv TCE

C) 102 ppbv Std
100 mL B + 900 mL UHP N_2 = 1000 mL 102 ppbv TCE

D) 51 ppbv Std
50 mL B + 950 mL UHP N_2 = 1000 mL 51 ppbv TCE

E) 20.4 ppbv Std
20 mL B + 980 mL UHP N_2 = 1000 mL 20.4 ppbv TCE

F) 10.2 ppbv Std
100 mL C + 900 mL UHP N_2 = 1000 mL 10.2 ppbv TCE

G) 5.1 ppbv Std
100 mL D + 900 mL UHP N_2 = 1000 mL 5.1 ppbv TCE

H) 1 ppbv Std 1.02 ppbv
100 mL F + 900 mL UHP N_2 = 1000 mL 1 ppbv TCE

I) 0.5 ppbv Std 0.51 ppbv
100 mL G + 900 mL UHP N_2 = 1000 mL 0.5 ppbv TCE

J) 0.1 ppbv Std 0.102 ppbv
100 mL H + 900 mL UHP N_2 = 1000 mL 0.1 ppbv TCE

[signature] 1/10/23

[signature] 1/10/23
Testing Chemist - Signed

[signature] 02/13/2023
Review Chemist - Signed

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1 /10 /2023 INSTRUMENT: #2803 BOOK NUMBER: I

SAMPLE ID	FILE #	INJECT VOL (mL)	DF	BPFB TIC	COMMENTS
Autotune					10:00 BPC: 0.49 total pressure: acceptable voltage: 1711 threshold: 516 baseline: 55 on time: 26:16:37
Conc Concat					TIC: 57352
Method: ER_SIM-Air-Tribed_PRO-TCE-Quant-~~05-17-2021_155can~~ 05_25_2020_155can.mth					KP 1/10/23
PI BLK	1	100	1	3144326	12:29 TCE: ND
CCal 10.2ppbv	2	100	1	7003421	12:41 TCE 6.655 ppbv 35% fail prepped 1/10/23 pg i bg 1of3 requires full calibration
Full Calibration		all prepped on 1/10/23 pg ii			
ICAL 0.1ppbv 0.102	4	100	1	3391875	13:21 TCE 0.127ppbv TIC 199801
ICAL 0.5ppbv 0.51	5	100	1	3495229	13:31 TCE 0.468 ppbv TCE TIC: 723770
ICAL 1.0ppbv 1.02	6	100	1	~~1550632~~ 3621448 KP 1/10/23	13:41 TCE 1.005ppbv TCE TIC: 1550632
ICAL 5.0ppbv 5.1	7	100	1	35406037	13:51 TCE 4.562 ppbv TCE TIC: 66662426
ICAL 10.2ppbv	8	100	1	36124407	14:02 TCE 9.037ppbv TCE TIC: 13504854
ICAL 20 20.4	9	100	1	36234499	14:12 TCE 18.53 ppbv TCE TIC 23025847

KP 1/10/23
Field Chemist - Signed

02/13/2023
Review Chemist - Signed

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1/10/2023 INSTRUMENT: H2803 BOOK NUMBER: I

SAMPLE ID	FILE #	INJECT VOL (mL)	DF	BPFB TIC	COMMENTS
ICAL 50 ppbv 51	10	100	1	36666645	14:22 TCE 42.89 ppbv TCE TIC: 4035109 4
ICAL 100 ppbv 102	11	100	1	36614029	14:32 TCE 89 ppbv TCE TIC 123563264
Calibration	using	files		4 - 11	Average RF: 0.514 RSD of RF's 16.391 RSD 5.050% R^2 = 1.0
Method:	ER-SIM-Air-Tribed-PPB-TCE-Quant-01-10-2023-15scan.mth				
CCal 10.2ppbv	1	100	1	3899612	14:51 TCE 10.57 ppbv prep: as previous 3.6% D OK
828076-SS-001-XCS-01	2	100	1	3935484	15:51 Collected 1/10/23 0820 TCE 0.6690ppbv x5.37 = 3.7 ug/m3
CCal 10.2 ppbv	3	100	1	38314469	16:02 TCE 10.61 ppbv prep: as previous 4% D OK

1/10/23
Field Chemist - Signed

2/13/2023
Review Chemist - Signed

Initial calibration criteria calculated by Hapsite ER-IQ software meets SOP requirements.

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1 / 11 /2023 INSTRUMENT: 12803 BOOK NUMBER: I

SAMPLE ID	FILE #	INJECT VOL (mL)	DF	BPFB TIC	COMMENTS
Autotune					
					BPG 0.50 voltage 1700 threshold 71 baseline 32 on time not able to see screen not working
Conc Cleaned					TIC 4466582
PI Blk	1	100	1	5779590	0627 TCE ND
CCal 10.2ppbv	2	100	1	25806663	0638 TCE 9.976ppbv -2% OV prepped on 1/10/23
MB	3	100	1	2302238	0705 TCE: ND
IA-004-Glass Oven Area	4	100	1	2124177	0729 TCE: 0.050ppbv; <0.14ppbv
828076-IA-001-Front	5	100	1	1977274	0757 TCE: 0.346 ppbv x5.37=1.9 ug/m³
828076-IA-001-Tavern	6	100	1	2034905	0809 TCE: 0.293 ppbv x5.37=3.4 ug/m³
828076-IA-001 Day Care	7	100	1	2071673	0821 TCE 0.123 ppbv x5.37=0.666 ug/m³
828076-IA-001-Boxman	8	100	1	2153213	0854 TCE: 0.101 ppbv x5.37=0.54 ug/m³
828076-IA-001-Central	9	100	1	2174048	0906 TCE: 0.346 ppbv x5.37=1.9 ug/m³
828076-IA-001 Tavern DUP	10	100	1		0917 TCE: — Hopsite died (brought tavern)
Autotune					0932 BPG 0.50 Pressure: acceptable voltage 1711 threshold: 67 baseline: 35

1/11/23
Field Chemist - Signed

Project Manager - Signed 2/13/2023

Calcs checked WDC

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1/11/2023 INSTRUMENT: H2803 BOOK NUMBER: I

SAMPLE ID	FILE #	INJECT VOL (mL)	DF	BPFB TIC	COMMENTS
Conc Cleancut					TIC 70045
CCal 10.2ppbv	14	100	1	2247105	10:13 TCE: 8.659ppbv -15% OK prep: as prevmt
MB	15	100	1	2256872	10:29 TCE ND
828076-1A-001-Basement	16	100	1	2367976	10:39 ;collected 1/11/23 10:27 TCE: 1.900ppbv x5.37= 10.2 ug/m³
828076-1A-001-MS	17	100	1	2411664	10:50 ;collected 1/10/23 0800 TCE: ND
~~828076-1A-Tyon-01~~ 828076-1A-001-Tyon-02	18	100	1	2417481	11:00 ;collected 1/11/23 11:45 TCE: 4.555ppbv x5.37= 24 ug/m³
828076-SS-001-Common-01	19	100	1	2438809	11:10 ;collected 1/10/23 14:55 TCE: 0.148ppbv x5.37= 0.80ug/m³
828076-1A-001-Tyon-03	20	100	1	2332395	11:21 ; collected 1/11/23 12:05 TCE: 2.6ppbv x5.37= 14 ug/m³
828076-SS-001-Tyon-02	21	100	1	2419632	11:31 ;collected 1/10/23 0921 TCE: 20.6ppbv x5.37= 110.6 ug/m³ E
828076-1A-001-Tyon-04	22	100	1	2355673	11:42 ; collected 1/11/23 12:25 TCE: 2.8ppbv x5.37= 15 ug/m³ E
828076-SS-001-Pmt-01	23	100	1	2598594	11:52 ;collected 1/10/23 10:17 TCE 0.987ppbv x5.37= 5.3 ug/m³
828076-SS-001-Common-02	24	100	1	2441766	12:03 ;collected 1/10/23 11:42 TCE 0.470ppbv x5.37= 2.5 ug/m³
828076-SS-001-MS-02	25	100	1	2561320	12:13 ;collected 1/10/23 0886 TCE 0.339ppbv x5.37= 1.8 ug/m³
CCal 10.2ppbv	26	100	1	2460120	12:23 TCE 8.971ppbv -12% OK prep: as prevmt

1/11/23
Field Chemist - Signed

Reviewed 2/13/2023

Calc checks WDC

Sample Run Log
Scobell Chemical
Brighton, New York

DATE: 1/11/2023 INSTRUMENT: H2803 BOOK NUMBER: I

SAMPLE ID	FILE #	INJECT VOL (mL)	DF	BPFB TIC	COMMENTS
MB	27	100	1	2126262	12:34 TCE ND
828076-SS-001-Tyan-02	28	100	10	2431067	12:47 TCE: 26 ppbv x5.37 x10 = 1396 ug/m3
828076-SS-001 Pmt-02	29	100	1	2513617	12:58 ;collected 1/10/23 10:43 TCE 109 ppbv x5.37= 585 ug/m3 E E
828076-SS-001 Entry	30	100	1	2312618	13:46 ;collected 1/11/23 13:35 TCE 1.34 ppbv x5.37= 7.3 ug/m3
828076-SS-001-Central	31	100	1	2430014	14:22 ;collected 1/11/23 15:00 TCE 178 ppbv x5.37= 955 ug/m3 E E
828076-SS-001 Tyan-01	32	100	10	2513633	14:36 ;collected 1/11/23 14:24 TCE 70 ppbv x 10 x5.37= 3759 ug/m3
828076-SS-001-Control	33	100	10	2314780	14:47 TCE 17 ppbv x5.37 x10 = 913 ug/m3
828076-1A-004-Galley	34	100	1	2217479	14:57 ;collected 1/11/23 15:46 TCE 2.980 ppbv x5.37= 16 ug/m3
828076-SS-004-T7	35	100	1	2103980	15:07 ;collected 1/11/23 TCE: 12.88 ppbv x5.37= 69 ug/m3
Cal 10.2ppb	36	100	1	2103496	15:18 TCE 9.84 ppbv -31.0% prep as previously

1/11/23
Field Chemist - Signed

02/13/2023
- Signed

ATTACHMENT 4

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

1.0 INTRODUCTION

Air samples were collected at the Scobell Chemical Site in January 2023 and submitted to ALS, located in Simi Valley, California, for analysis. Samples included in this review were analyzed by the following method:

- Volatile Organic Compounds (VOCs) by USEPA Method TO-15

Samples results were reported in the following sample delivery group (SDG):

- P2300194

A Data Usability Summary Report (DUSR) review was completed based on the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation guidance (NYSDEC, 2010). Sample event information included in this DUSR is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Methods
- Table 2 – Summary of Analytical Results
- Table 3 – Summary of Qualification Actions

A summary of table notes applicable to Tables 1, 2, and 3 is presented just before Table 1.

Laboratory deliverables included:

- Category B deliverables as defined in the NYSDEC Analytical Services Protocols (NYSDEC, 2005).

The DUSR review included the following evaluations for TO-15 air samples. A table of the project control limits is presented in Attachment A. Applicable laboratory quality control (QC) summary forms are included in Attachment B to document QC outliers associated with qualification actions.

- Lab Report Narrative Review
- Data Package Completeness and COC Records (Table 1 verification)
- Sample Collection and Holding Times
- Instrument Calibration (report narrative/lab-qualifier evaluation)
- QC Blanks
- Laboratory Control Samples (LCS)
- Surrogate Spikes (if applicable)
- Field/Lab Duplicates
- Target Analyte Identification and Quantitation

- Raw Data (chromatograms), Calculation Checks and Transcription Verifications
- Reporting Limits
- Electronic Data Qualification and Verification

Data qualification actions are applied when necessary based on general procedures in USEPA validation guidelines (USEPA, 2014) and the judgment of the project chemist. The following laboratory or data review qualifiers are used in the final data presentation:

U = target analyte is not detected above the reported detection limit or was qualified not detected
J = concentration is estimated
J+ = concentration is estimated, high bias

Results are interpreted to be usable as reported by the laboratory or as qualified in the following sections.

2.0 POTENTIAL DATA LIMITATIONS

Based on the DUSR review the majority of data meet the data quality objectives; however, the following potential limitations were identified:

Instrument Calibration (report narrative/lab-qualifier evaluation)

In the case narrative, the lab noted that ethyl acetate and 4-methyl-2-pentanone failed the CCV percent deviation, biased high. Results for ethyl acetate and 4-methyl-2-pentanone in a subset of samples were qualified as estimated (J) and are listed in Table 3 with reason code CCV%D.

Lab Control Samples (LCS)

The LCS/LCSD associated with all samples in SDG P2300194 had percent recoveries for 4-methyl-2-pentanone greater than QC limits. Detected values for a 4-methyl-2-pentanone in a subset of samples were qualified as estimated with high bias (J+) and are listed in Table 3 with reason code LCSH.

Laboratory Duplicate

The field sample, SS-001-Central, and its associated laboratory prepared duplicate had a relative percent difference for propene that was greater than lab limit. The result for propene in the field sample, SS-001-Central, was qualified as estimated (J) and is listed in Table 3 with reason code LD.

3.0 ADDITIONAL QC EXCEEDANCES AND OBSERVATIONS

There were no additional observations or quality control exceedances not specifically addressed above (Section 2.0) or included in Table 3.

Reference:

NYSDEC, 2005. "Analytical Services Protocols"; June 2005.

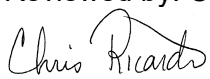
NYSDEC, 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

U.S. Environmental Protection Agency (USEPA), 2016. "Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15"; USEPA Region II; HW-31; Revision #6; September 2016.

Data Validator: Casey Cormier

January 31th, 2023

Reviewed by: Chris Ricardi, NRCC-EAC



February 8, 2023

Standard Table Notes:

Sample Type (QC Code)

FS – field sample

FD – field duplicate

TB – trip blank

EB – equipment blank

FB – field blank

Matrix

GW – ground water

BW – blank water

TW – tap water

SV – soil vapor

SED - sediment

Units

mg/L – milligrams per liter

ng/L – nanograms per liter

µg/L – micrograms per liter

mg/kg – milligrams per kilogram

µg/kg – micrograms per kilogram

µg/m^3 – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit

J – estimated quantity

J+ - estimated quantity, biased high

J- - estimated quantity, biased low

R – data unusable

Fraction

T – total

D – dissolved

N – normal

Qualification Reason Codes

BL1 – method blank qualifier

BL2 – field or trip blank qualifier

CCV – continuing calibration verification recovery outside limits

CCV%D – continuing calibration verification percent difference exceeds goal

CCVRRF – continuing calibration relative response factor low

CI – chromatographic interference present

DCPD – dual column percent difference exceeds limit

E – result exceeds calibration range

FD – field duplicate precision goal exceeded

FP – false positive interference

HT – holding time for prep or analysis exceeded

HTG – holding time for prep or analysis grossly exceeded

ICV – initial calibration verification recovery outside limit

ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit

ISL – internal standard response less than limit

LCSH – laboratory control sample recovery high

LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded

MSH – matrix spike and/or MS duplicate recovery high

MSL – matrix spike and/or MS duplicate recovery low

MSRPD – matrix spike/duplicate relative % difference precision goal exceeded

N – analyte identification is not certain

PEM – performance evaluation mixture exceeds limit

PM – sample percent moisture exceeds EPA guideline

SD – serial dilution result exceeds percent difference limit

SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high

SSL – surrogate recovery low

TD – dissolved concentration exceeds total

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

					Method Class	VOCs
					Analysis Method	TO15
					Fraction	N
SDG	**Media**	**Location**	**Field Sample ID**	**Sample Date**	**QC Code**	Count
P2300194	AIR	AA-001	AA-001-01	1/11/2023	FS	62
P2300194	AIR	Main Building-Basement	IA-001-Basement	1/11/2023	FS	62
P2300194	AIR	Main Building-Boxman	IA-001-Boxman	1/11/2023	FS	62
P2300194	AIR	Main Building-Center	IA-001-Central	1/11/2023	FS	62
P2300194	AIR	Main Building-NSC	IA-001-NCS	1/11/2023	FS	62
P2300194	AIR	Main Building-Print	IA-001-Print	1/11/2023	FS	62
P2300194	AIR	Main Building-Tryon	IA-001-Tryon	1/11/2023	FS	62
P2300194	AIR	Main Building-Tryon	IA-001-Tryon-Dup	1/11/2023	FD	62
P2300194	SV	Main Building-Center	SS-001-Central	1/11/2023	FS	62
P2300194	SV	Main Building-Tryon	SS-001-Tryon	1/11/2023	FS	62

Created by: KLD 2/1/23
Checked by: CLC 2/2/23

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

			Location	AA-001		Main Building-Basement		Main Building-Boxman		Main Building-Center	
			Lab Sample Delivery Group	P2300194		P2300194		P2300194		P2300194	
			Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023	
			Field Sample ID	AA-001-01		IA-001-Basement		IA-001-Boxman		IA-001-Central	
			QC Code	FS		FS		FS		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	1,1,1-Trichloroethane	UG/M3	0.15	U	0.32		0.14	U	0.15	U
VOCs	TO15	N	1,1,2,2-Tetrachloroethane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.51	J	0.51	J	0.52	J	0.52	J
VOCs	TO15	N	1,1,2-Trichloroethane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,1-Dichloroethane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,1-Dichloroethene	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,2,4-Trichlorobenzene	UG/M3	1.4	U	1.5	U	1.3	U	1.3	U
VOCs	TO15	N	1,2,4-Trimethylbenzene	UG/M3	0.71	U	0.65	J	0.16	J	0.12	J
VOCs	TO15	N	1,2-Dibromoethane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.12	J	0.78	U	0.13	J	0.11	J
VOCs	TO15	N	1,2-Dichlorobenzene	UG/M3	0.73	U	0.77	U	0.68	U	0.7	U
VOCs	TO15	N	1,2-Dichloroethane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,2-Dichloropropane	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	1,3,5-Trimethylbenzene	UG/M3	0.71	U	0.18	J	0.67	U	0.69	U
VOCs	TO15	N	1,3-Butadiene	UG/M3	0.29	U	0.3	U	0.27	U	0.28	U
VOCs	TO15	N	1,3-Dichlorobenzene	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	1,4-Dichlorobenzene	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	1,4-Dioxane	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	2-Butanone	UG/M3	0.36	J	1.4	J	0.87	J	0.42	J
VOCs	TO15	N	2-Hexanone	UG/M3	1.5	U	0.16	J	0.19	J	1.5	U
VOCs	TO15	N	2-Propanol	UG/M3	0.83	J	7.4		400		91	
VOCs	TO15	N	4-Ethyltoluene	UG/M3	0.73	U	0.2	J	0.68	U	0.7	U
VOCs	TO15	N	4-Methyl-2-pentanone	UG/M3	1.5	U	1.1	J+	0.32	J+	0.21	J+
VOCs	TO15	N	Acetone	UG/M3	3.3	J	38		210		66	
VOCs	TO15	N	Benzene	UG/M3	0.48		1.7		0.6		0.51	
VOCs	TO15	N	Benzyl chloride	UG/M3	1.5	U	1.6	U	1.4	U	1.5	U
VOCs	TO15	N	Bromodichloromethane	UG/M3	0.15	U	0.33		0.14	U	0.15	U
VOCs	TO15	N	Bromoform	UG/M3	0.71	U	0.95		0.67	U	0.69	U
VOCs	TO15	N	Bromomethane	UG/M3	0.29	U	0.3	U	0.27	U	0.28	U
VOCs	TO15	N	Carbon disulfide	UG/M3	1.5	U	1.6	U	0.48	J	1.5	U
VOCs	TO15	N	Carbon tetrachloride	UG/M3	0.46		0.51		0.64		0.53	
VOCs	TO15	N	Chlorobenzene	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	Chloroethane	UG/M3	0.29	U	0.3	U	0.27	U	0.28	U
VOCs	TO15	N	Chloroform	UG/M3	0.15	U	0.74		0.57		0.26	
VOCs	TO15	N	Chloromethane	UG/M3	0.44		0.39		0.42		0.39	
VOCs	TO15	N	cis-1,2-Dichloroethene	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	cis-1,3-Dichloropropene	UG/M3	0.73	U	0.77	U	0.68	U	0.7	U
VOCs	TO15	N	Cyclohexane	UG/M3	1.5	U	0.58	J	1.4	U	1.5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

				Location	AA-001		Main Building-Basement		Main Building-Boxman		Main Building-Center	
				Lab Sample Delivery Group	P2300194		P2300194		P2300194		P2300194	
				Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023	
				Field Sample ID	AA-001-01		IA-001-Basement		IA-001-Boxman		IA-001-Central	
				QC Code	FS		FS		FS		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	Dibromochloromethane	UG/M3	0.15	U	0.41		0.14	U	0.15	U
VOCs	TO15	N	Dichlorodifluoromethane	UG/M3	2.5		2.4		2.5		2.4	
VOCs	TO15	N	Ethyl acetate	UG/M3	8.3	J	100	J	35	J	13	J
VOCs	TO15	N	Ethylbenzene	UG/M3	0.71	U	0.65	J	0.15	J	0.14	J
VOCs	TO15	N	Heptane	UG/M3	0.73	U	0.79		0.24	J	0.21	J
VOCs	TO15	N	Hexachlorobutadiene	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	Hexane	UG/M3	0.3	J	3		0.5	J	0.5	J
VOCs	TO15	N	Isopropylbenzene	UG/M3	0.71	U	0.75	U	0.67	U	0.69	U
VOCs	TO15	N	Methyl Tertbutyl Ether	UG/M3	0.73	U	0.77	U	0.68	U	0.7	U
VOCs	TO15	N	Methylene chloride	UG/M3	0.3	J	0.57	J	0.6	J	0.47	J
VOCs	TO15	N	Naphthalene	UG/M3	0.71	U	0.45	J	0.67	U	0.19	J
VOCs	TO15	N	Propylene	UG/M3	0.71	U	3.8		93		31	
VOCs	TO15	N	Styrene	UG/M3	0.71	U	0.29	J	0.67	U	0.69	U
VOCs	TO15	N	Tetrachloroethene	UG/M3	0.15	U	2.5		0.19		0.24	
VOCs	TO15	N	Tetrahydrofuran	UG/M3	1.4	U	1.5	U	1.3	U	1.3	U
VOCs	TO15	N	Toluene	UG/M3	0.54	J	5.7		1.3		0.87	
VOCs	TO15	N	trans-1,2-Dichloroethene	UG/M3	0.15	U	0.16	U	0.28		0.15	U
VOCs	TO15	N	trans-1,3-Dichloropropene	UG/M3	0.7	U	0.74	U	0.66	U	0.67	U
VOCs	TO15	N	Trichloroethene	UG/M3	0.15	U	11		0.52		1.3	
VOCs	TO15	N	Trichlorofluoromethane	UG/M3	1.2		1.2		1.3		1.4	
VOCs	TO15	N	Vinyl acetate	UG/M3	6.9	U	7.3	U	6.5	U	6.6	U
VOCs	TO15	N	Vinyl chloride	UG/M3	0.15	U	0.16	U	0.14	U	0.15	U
VOCs	TO15	N	Xylene, o	UG/M3	0.71	U	0.86		0.18	J	0.17	J
VOCs	TO15	N	Xylenes (m&p)	UG/M3	1.5	U	2.3		0.46	J	0.38	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

			Location	Main Building-Center		Main Building-NSC		Main Building-Print		Main Building-Tryon	
			Lab Sample Delivery Group	P2300194		P2300194		P2300194		P2300194	
			Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023	
			Field Sample ID	SS-001-Central		IA-001-NCS		IA-001-Print		IA-001-Tryon	
			QC Code	FS		FS		FS		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	1,1,1-Trichloroethane	UG/M3	4.8		0.17	U	0.17	U	0.68	
VOCs	TO15	N	1,1,2,2-Tetrachloroethane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.48	J	0.53	J	0.54	J	0.52	J
VOCs	TO15	N	1,1,2-Trichloroethane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,1-Dichloroethane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,1-Dichloroethene	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,2,4-Trichlorobenzene	UG/M3	5.5	U	1.5	U	1.6	U	1.3	U
VOCs	TO15	N	1,2,4-Trimethylbenzene	UG/M3	29		0.12	J	0.27	J	0.3	J
VOCs	TO15	N	1,2-Dibromoethane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	3	U	0.13	J	0.86	U	0.11	J
VOCs	TO15	N	1,2-Dichlorobenzene	UG/M3	2.9	U	0.8	U	0.84	U	0.66	U
VOCs	TO15	N	1,2-Dichloroethane	UG/M3	0.6	U	0.12	J	0.17	U	0.14	U
VOCs	TO15	N	1,2-Dichloropropane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	1,3,5-Trimethylbenzene	UG/M3	15		0.78	U	0.83	U	0.65	U
VOCs	TO15	N	1,3-Butadiene	UG/M3	1.5		0.32	U	0.33	U	0.26	U
VOCs	TO15	N	1,3-Dichlorobenzene	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	1,4-Dichlorobenzene	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	1,4-Dioxane	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	2-Butanone	UG/M3	27		0.51	J	2		1.6	
VOCs	TO15	N	2-Hexanone	UG/M3	15		1.7	U	1.7	U	0.19	J
VOCs	TO15	N	2-Propanol	UG/M3	63		3,900		7.5		13	
VOCs	TO15	N	4-Ethyltoluene	UG/M3	1.1	J	0.8	U	0.84	U	0.66	U
VOCs	TO15	N	4-Methyl-2-pentanone	UG/M3	5.1	J+	0.23	J+	1.7	U	0.62	J+
VOCs	TO15	N	Acetone	UG/M3	340		690		9.3		26	
VOCs	TO15	N	Benzene	UG/M3	9.4		0.57		0.39		0.95	
VOCs	TO15	N	Benzyl chloride	UG/M3	6	U	1.7	U	1.7	U	1.4	U
VOCs	TO15	N	Bromodichloromethane	UG/M3	0.6	U	0.17		0.17	U	0.14	U
VOCs	TO15	N	Bromoform	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	Bromomethane	UG/M3	1.2	U	0.32	U	0.33	U	0.26	U
VOCs	TO15	N	Carbon disulfide	UG/M3	1.1	J	0.42	J	1.7	U	1.4	U
VOCs	TO15	N	Carbon tetrachloride	UG/M3	1.3		0.86		0.47		0.47	
VOCs	TO15	N	Chlorobenzene	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	Chloroethane	UG/M3	1.2	U	0.32	U	0.33	U	0.26	U
VOCs	TO15	N	Chloroform	UG/M3	0.96		1.9		0.15	J	0.38	
VOCs	TO15	N	Chloromethane	UG/M3	1.2	U	0.33		0.44		0.46	
VOCs	TO15	N	cis-1,2-Dichloroethene	UG/M3	0.7		0.17	U	0.17	U	0.096	J
VOCs	TO15	N	cis-1,3-Dichloropropene	UG/M3	2.9	U	0.8	U	0.84	U	0.66	U
VOCs	TO15	N	Cyclohexane	UG/M3	12		0.26	J	1.7	U	0.26	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

				Location	Main Building-Center		Main Building-NSC		Main Building-Print		Main Building-Tryon	
				Lab Sample Delivery Group	P2300194		P2300194		P2300194		P2300194	
				Field Sample Date	1/11/2023		1/11/2023		1/11/2023		1/11/2023	
				Field Sample ID	SS-001-Central		IA-001-NCS		IA-001-Print		IA-001-Tryon	
				QC Code	FS		FS		FS		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	Dibromochloromethane	UG/M3	0.6	U	0.17	U	0.17	U	0.14	U
VOCs	TO15	N	Dichlorodifluoromethane	UG/M3	2.4	J	2		2.6		2.4	
VOCs	TO15	N	Ethyl acetate	UG/M3	12	U	13	J	2.2	J	7.7	J
VOCs	TO15	N	Ethylbenzene	UG/M3	2.1	J	0.26	J	0.83	U	0.29	J
VOCs	TO15	N	Heptane	UG/M3	25		0.55	J	0.16	J	0.39	J
VOCs	TO15	N	Hexachlorobutadiene	UG/M3	2.8	U	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	Hexane	UG/M3	32		0.5	J	0.31	J	1.2	
VOCs	TO15	N	Isopropylbenzene	UG/M3	0.44	J	0.78	U	0.83	U	0.65	U
VOCs	TO15	N	Methyl Tertbutyl Ether	UG/M3	2.9	U	0.8	U	0.84	U	0.66	U
VOCs	TO15	N	Methylene chloride	UG/M3	2.8	U	3.1		0.35	J	0.48	J
VOCs	TO15	N	Naphthalene	UG/M3	2.2	J	0.44	J	0.83	U	0.65	U
VOCs	TO15	N	Propylene	UG/M3	14	J	23		3.5		6.3	
VOCs	TO15	N	Styrene	UG/M3	0.6	J	0.29	J	0.83	U	0.65	U
VOCs	TO15	N	Tetrachloroethene	UG/M3	20		0.57		0.17	U	2.3	
VOCs	TO15	N	Tetrahydrofuran	UG/M3	5.5	U	1.5	U	1.6	U	0.14	J
VOCs	TO15	N	Toluene	UG/M3	19		0.8		0.89		1.6	
VOCs	TO15	N	trans-1,2-Dichloroethene	UG/M3	0.6	U	1.6		0.17	U	0.14	U
VOCs	TO15	N	trans-1,3-Dichloropropene	UG/M3	2.8	U	0.77	U	0.81	U	0.64	U
VOCs	TO15	N	Trichloroethene	UG/M3	480		0.2		1.3		25	
VOCs	TO15	N	Trichlorofluoromethane	UG/M3	1.4	J	1.2		1.2		1.2	
VOCs	TO15	N	Vinyl acetate	UG/M3	27	U	7.5	U	8	U	6.3	U
VOCs	TO15	N	Vinyl chloride	UG/M3	0.6	U	0.11	J	0.17	U	0.14	U
VOCs	TO15	N	Xylene, o	UG/M3	4.1		0.32	J	0.83	U	0.37	J
VOCs	TO15	N	Xylenes (m&p)	UG/M3	14		0.86	J	0.24	J	0.94	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

				Location	Main Building-Tryon		Main Building-Tryon	
				Lab Sample Delivery Group	P2300194		P2300194	
				Field Sample Date	1/11/2023		1/11/2023	
				Field Sample ID	IA-001-Tryon-Dup		SS-001-Tryon	
				QC Code	FD		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	1,1,1-Trichloroethane	UG/M3	0.66		99	
VOCs	TO15	N	1,1,2,2-Tetrachloroethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	UG/M3	0.53	J	34	U
VOCs	TO15	N	1,1,2-Trichloroethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,1-Dichloroethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,1-Dichloroethene	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,2,4-Trichlorobenzene	UG/M3	1.4	U	64	U
VOCs	TO15	N	1,2,4-Trimethylbenzene	UG/M3	0.37	J	33	U
VOCs	TO15	N	1,2-Dibromoethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.73	U	34	U
VOCs	TO15	N	1,2-Dichlorobenzene	UG/M3	0.72	U	34	U
VOCs	TO15	N	1,2-Dichloroethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,2-Dichloropropane	UG/M3	0.15	U	7	U
VOCs	TO15	N	1,3,5-Trimethylbenzene	UG/M3	0.11	J	33	U
VOCs	TO15	N	1,3-Butadiene	UG/M3	0.28	U	13	U
VOCs	TO15	N	1,3-Dichlorobenzene	UG/M3	0.7	U	33	U
VOCs	TO15	N	1,4-Dichlorobenzene	UG/M3	0.7	U	33	U
VOCs	TO15	N	1,4-Dioxane	UG/M3	0.7	U	33	U
VOCs	TO15	N	2-Butanone	UG/M3	1.1	J	64	U
VOCs	TO15	N	2-Hexanone	UG/M3	1.5	U	70	U
VOCs	TO15	N	2-Propanol	UG/M3	12		94	
VOCs	TO15	N	4-Ethyltoluene	UG/M3	0.72	U	34	U
VOCs	TO15	N	4-Methyl-2-pentanone	UG/M3	0.56	J+	70	U
VOCs	TO15	N	Acetone	UG/M3	24		330	U
VOCs	TO15	N	Benzene	UG/M3	0.95		15	
VOCs	TO15	N	Benzyl chloride	UG/M3	1.5	U	70	U
VOCs	TO15	N	Bromodichloromethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	Bromoform	UG/M3	0.7	U	33	U
VOCs	TO15	N	Bromomethane	UG/M3	0.28	U	13	U
VOCs	TO15	N	Carbon disulfide	UG/M3	1.5	U	70	U
VOCs	TO15	N	Carbon tetrachloride	UG/M3	0.5		20	
VOCs	TO15	N	Chlorobenzene	UG/M3	0.7	U	33	U
VOCs	TO15	N	Chloroethane	UG/M3	0.28	U	13	U
VOCs	TO15	N	Chloroform	UG/M3	0.39		21	
VOCs	TO15	N	Chloromethane	UG/M3	0.41		13	U
VOCs	TO15	N	cis-1,2-Dichloroethene	UG/M3	0.15	U	22	
VOCs	TO15	N	cis-1,3-Dichloropropene	UG/M3	0.72	U	34	U
VOCs	TO15	N	Cyclohexane	UG/M3	0.26	J	19	J

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

			Location	Main Building-Tryon		Main Building-Tryon	
			Lab Sample Delivery Group	P2300194		P2300194	
			Field Sample Date	1/11/2023		1/11/2023	
			Field Sample ID	IA-001-Tryon-Dup		SS-001-Tryon	
			QC Code	FD		FS	
Method Class	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier
VOCs	TO15	N	Dibromochloromethane	UG/M3	0.15	U	7	U
VOCs	TO15	N	Dichlorodifluoromethane	UG/M3	2.4		34	U
VOCs	TO15	N	Ethyl acetate	UG/M3	6.4	J	130	U
VOCs	TO15	N	Ethylbenzene	UG/M3	0.32	J	33	U
VOCs	TO15	N	Heptane	UG/M3	0.38	J	44	
VOCs	TO15	N	Hexachlorobutadiene	UG/M3	0.7	U	33	U
VOCs	TO15	N	Hexane	UG/M3	1.2		83	
VOCs	TO15	N	Isopropylbenzene	UG/M3	0.7	U	33	U
VOCs	TO15	N	Methyl Tertbutyl Ether	UG/M3	0.72	U	34	U
VOCs	TO15	N	Methylene chloride	UG/M3	0.49	J	33	U
VOCs	TO15	N	Naphthalene	UG/M3	0.7	U	33	U
VOCs	TO15	N	Propylene	UG/M3	6.3		33	U
VOCs	TO15	N	Styrene	UG/M3	0.12	J	33	U
VOCs	TO15	N	Tetrachloroethene	UG/M3	2.4		62	
VOCs	TO15	N	Tetrahydrofuran	UG/M3	1.4	U	64	U
VOCs	TO15	N	Toluene	UG/M3	1.7		26	J
VOCs	TO15	N	trans-1,2-Dichloroethene	UG/M3	0.15	U	7	U
VOCs	TO15	N	trans-1,3-Dichloropropene	UG/M3	0.69	U	32	U
VOCs	TO15	N	Trichloroethene	UG/M3	26		6,300	
VOCs	TO15	N	Trichlorofluoromethane	UG/M3	1.2		33	U
VOCs	TO15	N	Vinyl acetate	UG/M3	6.8	U	320	U
VOCs	TO15	N	Vinyl chloride	UG/M3	0.15	U	7	U
VOCs	TO15	N	Xylene, o	UG/M3	0.4	J	33	U
VOCs	TO15	N	Xylenes (m&p)	UG/M3	1.1	J	9.9	J

TABLE 3 - SUMMARY OF QUALIFICATION ACTIONS
DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

Lab SDG	Lab Sample ID	Field Sample ID	Method	Fraction	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
P2300194	P2300194-001	IA-001-Tryon-Dup	TO15	N	4-Methyl-2-pentanone	0.56	J, V	0.56	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-001	IA-001-Tryon-Dup	TO15	N	Ethyl acetate	6.4	V	6.4	J	CCV%D	UG/M3
P2300194	P2300194-002	IA-001-Tryon	TO15	N	Ethyl acetate	7.7	V	7.7	J	CCV%D	UG/M3
P2300194	P2300194-002	IA-001-Tryon	TO15	N	4-Methyl-2-pentanone	0.62	J, V	0.62	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-003	IA-001-Central	TO15	N	Ethyl acetate	13	V	13	J	CCV%D	UG/M3
P2300194	P2300194-003	IA-001-Central	TO15	N	4-Methyl-2-pentanone	0.21	J, V	0.21	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-004	IA-001-Boxman	TO15	N	4-Methyl-2-pentanone	0.32	J, V	0.32	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-004	IA-001-Boxman	TO15	N	Ethyl acetate	35	V	35	J	CCV%D	UG/M3
P2300194	P2300194-005	AA-001-01	TO15	N	Ethyl acetate	8.3	V	8.3	J	CCV%D	UG/M3
P2300194	P2300194-006	IA-001-Basement	TO15	N	Ethyl acetate	100	V	100	J	CCV%D	UG/M3
P2300194	P2300194-006	IA-001-Basement	TO15	N	4-Methyl-2-pentanone	1.1	J, V	1.1	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-007	IA-001-Print	TO15	N	Ethyl acetate	2.2	J, V	2.2	J	CCV%D	UG/M3
P2300194	P2300194-009	SS-001-Central	TO15	N	Propylene	14		14	J	LD	UG/M3
P2300194	P2300194-009	SS-001-Central	TO15	N	4-Methyl-2-pentanone	5.1	J, V	5.1	J+	CCV%D, LCSH	UG/M3
P2300194	P2300194-010	IA-001-NCS	TO15	N	Ethyl acetate	13	V	13	J	CCV%D	UG/M3
P2300194	P2300194-010	IA-001-NCS	TO15	N	4-Methyl-2-pentanone	0.23	J, V	0.23	J+	CCV%D, LCSH	UG/M3

Created by: KLD 2/1/23
Checked by: CLC 2/3/23

DATA USABILITY SUMMARY REPORT
JANUARY 2023 AIR SAMPLING
SCOBELL CHEMICAL SITE
BRIGHTON, NEW YORK

ATTACHMENT B

VOCs in Air

NYSDEC DUSR PROJECT CHEMIST REVIEW RECORD

Project: Scobell

Method: TO-15

Laboratory and SDG(s): ALS Environmental **SDG#** P2300194

Date: 1/31/2023

Reviewer: Casey Cormier

Review Level [X] NYSDEC DUSR [ ] USEPA Region II Guideline

Check if Reviewed **Control limits are from EPA Region 2 - SOP# HW-31, October 2006.**

1. [✓] **Case Narrative Review and Data Package Completeness**
Were problems noted?

Are Field Sample IDs and Locations assigned correctly? YES [✓] NO [ ]

Were all the samples on the COC analyzed for the requested analyses? YES [✓] NO [ ]

Lab qualified propene in sample SS-001-Central estimated due to lab duplicate RPD greater than lab limit. Qualified J LD.

2. [✓] **Holding time and Sample Collection**
Were samples analyzed within the 30-day holding time? YES [✓] NO [ ]

3. [✓] **QC Blanks** (use 5x rule for calculating action levels)
Are method blanks free of contamination? YES [✓] NO [ ]

4. [✓] **Instrument Tuning – Data Package Narrative Review**
Did the laboratory narrative identify any results that were not within method criteria?
YES [ ] NO [✓]

If yes, use professional judgment to evaluate data and qualify results if needed

5. [✓] **Instrument Calibration - Data Package Narrative Review**
Did the laboratory narrative identify compounds that were not within method criteria (%RSD $\leq$30; %D $\leq$30) in the initial calibration and/or continuing calibration standards? YES [✓] NO [ ]

Did the laboratory qualify results based on initial or continuing calibration exceedances?
YES [✓] NO [ ] NA [ ]

If yes to above, use professional judgment to evaluate data and qualify results if needed

Ethyl acetate, 4-methyl-2-pentanone, and 1,2,4-trichlorobenzene failed CCV. See QC backup.

6. ☑ **Internal Standards – Data Package Narrative Review**
(Area Limits = +40% to -40%, RTs within 20 seconds of daily CCAL standard (or ICAL mid-point if samples follow ICAL))

Did the laboratory narrative identify any sample internal standards that were not within criteria? YES ☐ NO ☑

Did the laboratory qualify results based on internal standard exceedances? YES ☐ NO ☑ NA ☐
If yes to above, use professional judgment to evaluate data and qualify results if needed

7. ☑ **Surrogate Recovery**
Were all results within laboratory limits? YES ☑ NO ☐

8. ☑ **Field Duplicates**
Were Field Duplicates submitted/analyzed? YES ☑ NO ☐
Were all results within criteria (Field Dup RPD goal = 50). YES ☑ NO ☐ NA ☐

9. ☑ **Laboratory Control Sample Results** (limits 70-130%)
Were all results within limits? YES ☐ NO ☑

4-methyl-2-pentanone and 1,2,4-trichlorobenzene %rec greater than QC limits.

10. ☑ **Reporting Limits:**
Were samples analyzed at a dilution? YES ☑ NO ☐

11. ☑ **Raw Data Review and Calculation Checks**

12. ☑ **Electronic Data Review and Edits**
Does the EDD match the Form Is? YES ☑ NO ☐

13. ☑ **Tables Review**
Table 1 (Samples and Analytical Methods)
Table 2 (Analytical Results)
Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES ☑ NO ☐

Table 4 (TICs) Did lab report TICs? YES ☐ NO ☑

ALS Environmental
2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T +1 805 526 7161

right solutions.
right partner.

Client: WSP USA
Project: Scobell Chemical / 3616216143.02

Service Request No: P2300194

CASE NARRATIVE

The samples were received intact under chain of custody on January 17, 2023 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph/mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for Ethyl Acetate, 4-Methyl-2-Pentanone and 1, 2, 4-trichlorobenzene in the Continuing Calibration Verification (CCV) analyzed on January 19, 2023 and for 4-Methyl-2-Pentanone in the Laboratory Control Samples (LCS/LCSD). Therefore, a potential for a high bias exists for those associated sample concentrations reported with positive results. The data has been qualified accordingly.

The relative percent difference (RPD) control criterion was exceeded for Propene as measured in sample SS-001-Central (P2300194-009DUP). The corresponding laboratory data has been flagged accordingly. No corrective action was taken.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.4 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

Evaluate Continuing Calibration Report

Data File : I:\MS16\DATA\2023 01\19\01192201.D Vial: 2
Acq On : 19 Jan 2023 5:19 Operator: WA
Sample : CCV R16011923 25ng Inst : GCMS-16
Misc : S35-11092201/S35-01062301 (2/5)

Quant Time: Jan 19 06:15:28 2023 WA 1/19/23
Quant Method : I:\MS16\METHODS\R16122022.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Wed Dec 21 03:06:38 2022
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	134	0.02	
2	T	Propene	1.686	1.726	-2.4	133	0.00	
3	T	Dichlorodifluoromethane (CF	1.868	1.737	7.0	121	0.00	
4	T	Chloromethane	1.747	1.871	-7.1	133	0.00	
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.043	1.027	1.5	128	0.00	
6	T	Vinyl Chloride	1.622	1.838	-13.3	144	0.00	
7	T	1,3-Butadiene	1.359	1.693	-24.6	150	0.00	
8	T	Bromomethane	0.815	0.746	8.5	115	0.01	
9	T	Chloroethane	0.780	0.788	-1.0	127	0.01	
10	T	Ethanol	1.203	1.050	12.7	124	0.04	
11	T	Acetonitrile	3.013	2.667	11.5	125	0.03	
12	T	Acrolein	0.852	0.913	-7.2	142	0.02	
13	T	Acetone	0.920	1.017	-10.5	150	0.02	
14	T	Trichlorofluoromethane	1.724	1.563	9.3	117	0.00	
15	T	2-Propanol (Isopropanol)	3.204	2.922	8.8	120	0.03	
16	T	Acrylonitrile	1.716	1.890	-10.1	141	0.03	
17	T	1,1-Dichloroethene	0.992	0.885	10.8	116	0.01	
18	T	2-Methyl-2-Propanol (tert-B	2.284	2.589	-13.4	124	0.02	
19	T	Methylene Chloride	1.017	0.892	12.3	115	0.02	
20	T	3-Chloro-1-propene (Allyl C	1.870	1.851	1.0	122	0.01	
21	T	Trichlorotrifluoroethane	0.859	0.848	1.3	126	0.01	
22	T	Carbon Disulfide	3.625	3.129	13.7	111	0.01	
23	T	trans-1,2-Dichloroethene	1.533	1.594	-4.0	128	0.02	
24	T	1,1-Dichloroethane	1.863	1.865	-0.1	127	0.02	
25	T	Methyl tert-Butyl Ether	2.701	2.393	11.4	105	0.00	
26	T	Vinyl Acetate	0.206	0.210	-1.9	114	0.01	
27	T	2-Butanone (MEK)	0.667	0.627	6.0	107	0.01	
28	T	cis-1,2-Dichloroethene	1.532	1.576	-2.9	129	0.01	
29	T	Diisopropyl Ether	0.949	0.942	0.7	120	0.01	
30	T	Ethyl Acetate	0.436	0.614	-40.8#	153	0.01	J CCV%D
31	T	n-Hexane	2.183	2.648	-21.3	153	0.01	
32	T	Chloroform	1.668	1.509	9.5	115	0.02	
33	S	1,2-Dichloroethane-d4(SS1)	1.662	1.537	7.5	123	0.01	
34	T	Tetrahydrofuran (THF)	0.684	0.572	16.4	107	0.00	
35	T	Ethyl tert-Butyl Ether	0.994	0.935	5.9	112	0.00	
36	T	1,2-Dichloroethane	1.354	1.360	-0.4	126	0.01	
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	128	0.00	
38	T	1,1,1-Trichloroethane	0.338	0.320	5.3	115	0.01	
39	T	Isopropyl Acetate	0.000	0.000	0.0	0#	0.00	
40	T	1-Butanol	0.000	0.000	0.0	0#	-12.65#	
41	T	Benzene	0.880	0.800	9.1	113	0.01	
42	T	Carbon Tetrachloride	0.286	0.290	-1.4	120	0.01	
43	T	Cyclohexane	0.372	0.341	8.3	113	0.00	
44	T	tert-Amyl Methyl Ether	0.442	0.425	3.8	108	0.00	
45	T	1,2-Dichloropropane	0.247	0.267	-8.1	133	0.00	
46	T	Bromodichloromethane	0.290	0.276	4.8	115	0.00	
47	T	Trichloroethene	0.239	0.259	-8.4	127	0.00	
48	T	1,4-Dioxane	0.166	0.167	-0.6	115	0.00	
49	T	2,2,4-Trimethylpentane (Iso	1.188	1.350	-13.6	142	0.01	
50	T	Methyl Methacrylate	0.099	0.100	-1.0	119	0.00	
51	T	n-Heptane	0.258	0.231	10.5	108	0.01	
52	T	cis-1,3-Dichloropropene	0.325	0.324	0.3	108	0.00	
53	T	4-Methyl-2-pentanone	0.204	0.295	-44.6#	151	0.00	J CCV%D
54	T	trans-1,3-Dichloropropene	0.312	0.299	4.2	109	0.00	
55	T	1,1,2-Trichloroethane	0.214	0.215	-0.5	120	0.00	

Evaluate Continuing Calibration Report

Data File : I:\MS16\DATA\2023 01\19\01192201.D Vial: 2
Acq On : 19 Jan 2023 5:19 Operator: WA
Sample : CCV R16011923 25ng Inst : GCMS-16
Misc : S35-11092201/S35-01062301 (2/5)

Quant Time: Jan 19 06:15:28 2023
Quant Method : I:\MS16\METHODS\R16122022.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Wed Dec 21 03:06:38 2022
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	143	0.00	
57	S	Toluene-d8 (SS2)	5.472	4.747	13.2	125	0.00	
58	T	Toluene	4.793	4.057	15.4	117	0.00	
59	T	2-Hexanone	2.532	2.969	-17.3	138	0.00	
60	T	Dibromochloromethane	1.200	1.249	-4.1	133	0.00	
61	T	1,2-Dibromoethane	1.147	1.142	0.4	126	0.00	
62	T	n-Butyl Acetate	2.890	3.343	-15.7	138	0.00	
63	T	n-Octane	1.227	1.314	-7.1	145	0.00	
64	T	Tetrachloroethene	1.220	1.243	-1.9	134	0.00	
65	T	Chlorobenzene	3.168	2.986	5.7	127	0.00	
66	T	Ethylbenzene	5.413	4.781	11.7	119	0.00	
67	T	m- & p-Xylenes	4.281	3.738	12.7	117	0.00	
68	T	Bromoform	1.023	1.108	-8.3	147	0.00	
69	T	Styrene	3.012	3.201	-6.3	129	0.00	
70	T	o-Xylene	4.210	3.798	9.8	121	0.00	
71	T	n-Nonane	3.005	2.956	1.6	135	0.00	
72	T	1,1,2,2-Tetrachloroethane	1.847	1.762	4.6	125	0.00	
73	S	Bromofluorobenzene (SS3)	1.707	1.657	2.9	138	0.00	
74	T	Cumene	5.308	5.350	-0.8	133	0.00	
75	T	alpha-Pinene	1.363	1.305	4.3	121	0.00	
76	T	n-Propylbenzene	6.462	6.153	4.8	125	0.00	
77	T	3-Ethyltoluene	0.000	0.000	0.0	0#	0.00	
78	T	4-Ethyltoluene	5.037	5.404	-7.3	136	0.00	
79	T	1,3,5-Trimethylbenzene	4.512	4.457	1.2	135	0.00	
80	T	alpha-Methylstyrene	0.000	0.000	0.0	0#	0.00	
81	T	2-Ethyltoluene	0.000	0.000	0.0	0#	0.00	
82	T	1,2,4-Trimethylbenzene	4.314	4.867	-12.8	142	0.00	
83	T	n-Decane	0.000	0.000	0.0	0#	0.00	
84	T	Benzyl Chloride	2.623	2.971	-13.3	140	0.00	
85	T	1,3-Dichlorobenzene	2.389	2.869	-20.1	148	0.00	
86	T	1,4-Dichlorobenzene	2.486	2.777	-11.7	143	0.00	
87	T	sec-Butylbenzene	5.880	6.485	-10.3	144	0.00	
88	T	4-Isopropyltoluene (p-Cymen	6.332	6.375	-0.7	146	0.00	
89	T	1,2,3-Trimethylbenzene	0.000	0.000	0.0	0#	0.00	
90	T	1,2-Dichlorobenzene	2.352	2.811	-19.5	150	0.00	
91	T	d-Limonene	1.232	1.344	-9.1	133	0.00	
92	T	1,2-Dibromo-3-Chloropropane	0.883	1.102	-24.8	150	0.00	
93	T	n-Undecane	0.000	0.000	0.0	0#	0.00	
94	T	1,2,4-Trichlorobenzene	1.612	2.219	-37.7#	159	0.00	Samples ND, no CCV%D
95	T	Naphthalene	5.292	6.076	-14.8	145	0.00	quals
96	T	n-Dodecane	0.000	0.000	0.0	0#	-22.59#	
97	T	Hexachlorobutadiene	1.102	1.326	-20.3	159	0.00	
98	T	Cyclohexanone	0.000	0.000	0.0	0#	0.00	
99	T	tert-Butylbenzene	4.446	5.046	-13.5	145	0.00	
100	T	n-Butylbenzene	4.623	4.942	-6.9	135	0.00	
101	T	1,1,1,2-Tetrachloroethane	1.111	1.116	-0.5	133	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **WSP USA**
Client Sample ID: **SS-001-Central**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-009DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01740

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.25 Liter(s)

Initial Pressure (psig): -1.33 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.37

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result µg/m³	Duplicate Sample Result ppbV	Average µg/m³	% RPD	RPD Limit	Data Qualifier
Propene J LD	14.3	8.29	11.0	6.40	12.65	**26**	25	**R**
Dichlorodifluoromethane (CFC 12)	2.41	0.488	2.49	0.503	2.45	**3**	25	**J**
Chloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	ND	ND	ND	-	-	25	
Vinyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Butadiene	1.53	0.691	1.66	0.751	1.595	**8**	25	
Bromomethane	ND	ND	ND	ND	-	-	25	
Chloroethane	ND	ND	ND	ND	-	-	25	
Acetone	336	142	329	138	332.5	**2**	25	
Trichlorofluoromethane	1.36	0.242	1.38	0.246	1.37	**1**	25	**J**
2-Propanol (Isopropyl Alcohol)	63.3	25.8	59.7	24.3	61.5	**6**	25	
1,1-Dichloroethene	ND	ND	ND	ND	-	-	25	
Methylene Chloride	ND	ND	ND	ND	-	-	25	
Trichlorotrifluoroethane	0.482	0.0630	0.521	0.0680	0.5015	**8**	25	**J**
Carbon Disulfide	1.14	0.366	1.15	0.368	1.145	**0.9**	25	**J**
trans-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethane	ND	ND	ND	ND	-	-	25	
Methyl tert-Butyl Ether	ND	ND	ND	ND	-	-	25	
Vinyl Acetate	ND	ND	ND	ND	-	-	25	
2-Butanone (MEK)	26.6	9.01	26.4	8.96	26.5	**0.8**	25	
cis-1,2-Dichloroethene	0.696	0.176	0.680	0.171	0.688	**2**	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
R = Duplicate precision not met.

Client: **WSP USA**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P230119-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
141-78-6	Ethyl Acetate	398	478	462	**120**	**116**	59-161	3	25	
110-54-3	n-Hexane	212	248	236	**117**	**111**	55-130	5	25	
67-66-3	Chloroform	216	189	185	**88**	**86**	71-114	2	25	
109-99-9	Tetrahydrofuran (THF)	402	326	321	**81**	**80**	73-114	1	25	
107-06-2	1,2-Dichloroethane	204	216	209	**106**	**102**	71-119	4	25	
71-55-6	1,1,1-Trichloroethane	210	195	196	**93**	**93**	73-119	0	25	
71-43-2	Benzene	204	193	193	**95**	**95**	72-113	0	25	
56-23-5	Carbon Tetrachloride	210	221	221	**105**	**105**	67-123	0	25	
110-82-7	Cyclohexane	426	386	384	**91**	**90**	70-119	1	25	
78-87-5	1,2-Dichloropropane	214	230	224	**107**	**105**	70-118	2	25	
75-27-4	Bromodichloromethane	216	206	202	**95**	**94**	74-119	1	25	
79-01-6	Trichloroethene	212	227	227	**107**	**107**	74-115	0	25	
123-91-1	1,4-Dioxane	212	221	218	**104**	**103**	77-124	1	25	
142-82-5	n-Heptane	214	190	187	**89**	**87**	70-119	2	25	
10061-01-5	cis-1,3-Dichloropropene	212	240	233	**113**	**110**	81-126	3	25	
108-10-1	4-Methyl-2-pentanone J+ LCSH	426	635	601	**149**	**141**	73-129	6	25	**L**
10061-02-6	trans-1,3-Dichloropropene	196	190	187	**97**	**95**	80-127	2	25	
79-00-5	1,1,2-Trichloroethane	216	215	211	**100**	**98**	78-117	2	25	
108-88-3	Toluene	214	173	175	**81**	**82**	70-118	1	25	
591-78-6	2-Hexanone	426	496	486	**116**	**114**	74-132	2	25	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

Client: **WSP USA**
Client Sample ID: **Duplicate Lab Control Sample** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P230119-DLCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: NA
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/m³	Result LCS µg/m³	Result DLCS µg/m³	% Recovery LCS	% Recovery DLCS	ALS Acceptance Limits	RPD	RPD Limit	Data Qualifier
124-48-1	Dibromochloromethane	214	213	215	**100**	**100**	69-137	0	25	
106-93-4	1,2-Dibromoethane	204	200	204	**98**	**100**	76-128	2	25	
127-18-4	Tetrachloroethene	214	210	213	**98**	**100**	63-130	2	25	
108-90-7	Chlorobenzene	216	196	197	**91**	**91**	70-118	0	25	
100-41-4	Ethylbenzene	218	182	183	**83**	**84**	71-123	1	25	
179601-23-1	m,p-Xylenes	430	360	360	**84**	**84**	67-127	0	25	
75-25-2	Bromoform	218	233	234	**107**	**107**	65-149	0	25	
100-42-5	Styrene	214	221	223	**103**	**104**	76-132	1	25	
95-47-6	o-Xylene	216	187	186	**87**	**86**	69-124	1	25	
79-34-5	1,1,2,2-Tetrachloroethane	216	205	202	**95**	**94**	69-128	1	25	
98-82-8	Cumene	212	209	204	**99**	**96**	69-125	3	25	
622-96-8	4-Ethyltoluene	218	231	225	**106**	**103**	69-127	3	25	
108-67-8	1,3,5-Trimethylbenzene	216	207	203	**96**	**94**	66-129	2	25	
95-63-6	1,2,4-Trimethylbenzene	212	237	229	**112**	**108**	63-142	4	25	
100-44-7	Benzyl Chloride	428	503	503	**118**	**118**	73-145	0	25	
541-73-1	1,3-Dichlorobenzene	214	258	252	**121**	**118**	67-136	3	25	
106-46-7	1,4-Dichlorobenzene	214	244	239	**114**	**112**	63-134	2	25	
95-50-1	1,2-Dichlorobenzene	212	256	249	**121**	**117**	64-139	3	25	
120-82-1	1,2,4-Trichlorobenzene	440	599	581	**136**	**132**	62-154	3	25	
91-20-3	Naphthalene	220	266	260	**121**	**118**	62-156	3	25	
87-68-3	Hexachlorobutadiene	218	247	240	**113**	**110**	55-142	3	25	

Samples ND, no qual

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

SDG = P2300194

Initial Calibration Check

Instrument ID = GCMS-16

Compound Name = **Carbon Tetrachloride**

Internal standard Name = 1,4-Difluorobenzene

Level	Concentration (ng)	Compound Area	Internal Std Conc (ng)	Internal Std Area	RF
1	0.104	1509	12.5	806081	0.2250024
2	0.208	3349	12.5	794758	0.2532369
3	0.52	9239	12.5	770877	0.2881022
4	1.04	18872	12.5	764819	0.296576
5	5.2	107351	12.5	817599	0.3156257
6	26	519572	12.5	806576	0.3096971
7	52	1040641	12.5	819249	0.3053456
8	104	2056284	12.5	835782	0.2957105
				Avg =	**0.286162**
				%RSD =	**10.91%**

CCV

Continuing Calibration Check

Date = 1/19/2023

Time = 5:19

Concentration (ng)	Compound Area	Internal Std Conc (ng)	Internal Std Area	RF
26	623960	12.5	1035237	0.2897701
			% D =	1.26%

LCS

LCS= P230119-LCS

Date = 1/19/2023

Time = 8:45

Compound Area	Internal Std Conc (ng)	Internal Std Area	RF
620885	12.5	980492	0.286162046
		Concentration (ng) =	27.66
		Injection (L) =	0.125
		Final Concentration (ng/L or µg/m^3) =	221
		Spiked amount (µg/m^3) =	210
		Final Concentration (ng/L or µ/m^3) =	105%

LCSD = P230119-DLCS

Date = 1/19/2023

Time = 9:52

Compound Area	Internal Std Conc (ng)	Internal Std Area	RF
727899	12.5	1150450	0.286162
	Concentration (ng) =		27.64
	Injection (L) =		0.125
	Final Concentration (ng/L or µg/m^3) =		221
	Spiked amount (µg/m^3) =		210
	Final Concentration (ng/L or µ/m^3) =		105%
		RPD =	0%

Sample Calculation Check

Field Sample ID = IA-001-Tryon

Lab Sample ID = P2300194-002

Date = 1/19/2023

Time = 14:09

Initial Pressure (psig) =	-0.06
Final Pressure (psig) =	3.66
Pressure Dilution Factor (PDF) =	1.254098361

Compound Area	Internal Std Conc (ng)	Internal Std Area	RF
7672	12.5	892977	0.286162046
		Concentration (ng) =	0.375
		Final Concentration (ng/L or µg/m^3) =	0.47
		Formula Weight =	153.82
		ppb Volume =	0.075

1,2-dichloroethane-d4 (surr) Area	Internal Std Conc (ng)	Internal Std Area	RF
315739	12.5	206517	1.662
		Concentration (ng) =	11.499
		Spiked Concentration (ng) =	12.50
		Percent Recovery =	92%

ATTACHMENT 5

VALIDATED LABORATORY DATA SHEETS AND CHAIN OF CUSTODY

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon-Dup**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: SC02338

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.01 Final Pressure (psig): 3.82

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**6.3**	0.70	0.18	**3.7**	0.41	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.72	0.12	**0.48**	0.14	0.024	
74-87-3	Chloromethane	**0.41**	0.28	0.12	**0.20**	0.14	0.056	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.73	0.11	ND	0.10	0.016	
75-01-4	Vinyl Chloride	ND	0.15	0.077	ND	0.058	0.030	
106-99-0	1,3-Butadiene	ND	0.28	0.12	ND	0.13	0.054	
74-83-9	Bromomethane	ND	0.28	0.10	ND	0.073	0.026	
75-00-3	Chloroethane	ND	0.28	0.089	ND	0.11	0.034	
67-64-1	Acetone	**24**	7.0	1.6	**10**	3.0	0.68	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.70	0.11	**0.21**	0.12	0.019	
67-63-0	2-Propanol (Isopropyl Alcohol)	**12**	1.4	0.30	**4.9**	0.55	0.12	
75-35-4	1,1-Dichloroethene	ND	0.15	0.10	ND	0.037	0.025	
75-09-2	Methylene Chloride	**0.49**	0.70	0.20	**0.14**	0.20	0.058	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.53**	0.73	0.10	**0.069**	0.095	0.013	**J**
75-15-0	Carbon Disulfide	ND	1.5	0.22	ND	0.48	0.069	
156-60-5	trans-1,2-Dichloroethene	ND	0.15	0.10	ND	0.037	0.025	
75-34-3	1,1-Dichloroethane	ND	0.15	0.11	ND	0.037	0.026	
1634-04-4	Methyl tert-Butyl Ether	ND	0.72	0.085	ND	0.20	0.024	
108-05-4	Vinyl Acetate	ND	6.8	1.6	ND	1.9	0.46	
78-93-3	2-Butanone (MEK)	**1.1**	1.4	0.15	**0.36**	0.46	0.050	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.15	0.10	ND	0.037	0.026	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon-Dup** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-001

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: SC02338

Initial Pressure (psig): -1.01 Final Pressure (psig): 3.82

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**6.4**	2.8	0.38	**1.8**	0.79	0.10	**V**
110-54-3	n-Hexane	**1.2**	0.72	0.15	**0.33**	0.20	0.042	
67-66-3	Chloroform	**0.39**	0.15	0.096	**0.080**	0.030	0.020	
109-99-9	Tetrahydrofuran (THF)	ND	1.4	0.090	ND	0.46	0.031	
107-06-2	1,2-Dichloroethane	ND	0.15	0.080	ND	0.037	0.020	
71-55-6	1,1,1-Trichloroethane	**0.66**	0.15	0.089	**0.12**	0.027	0.016	
71-43-2	Benzene	**0.95**	0.15	0.10	**0.30**	0.047	0.033	
56-23-5	Carbon Tetrachloride	**0.50**	0.15	0.10	**0.079**	0.024	0.016	
110-82-7	Cyclohexane	**0.26**	1.5	0.20	**0.076**	0.43	0.059	**J**
78-87-5	1,2-Dichloropropane	ND	0.15	0.089	ND	0.032	0.019	
75-27-4	Bromodichloromethane	ND	0.15	0.10	ND	0.022	0.016	
79-01-6	Trichloroethene	**26**	0.15	0.097	**4.8**	0.028	0.018	
123-91-1	1,4-Dioxane	ND	0.70	0.085	ND	0.19	0.024	
142-82-5	n-Heptane	**0.38**	0.72	0.11	**0.092**	0.17	0.028	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.72	0.11	ND	0.16	0.025	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**0.56**	1.5	0.099	**0.14**	0.36	0.024	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.69	0.15	ND	0.15	0.033	
79-00-5	1,1,2-Trichloroethane	ND	0.15	0.073	ND	0.027	0.013	
108-88-3	Toluene	**1.7**	0.70	0.088	**0.44**	0.19	0.023	
591-78-6	2-Hexanone	ND	1.5	0.089	ND	0.36	0.022	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon-Dup** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-001

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: SC02338

Initial Pressure (psig): -1.01 Final Pressure (psig): 3.82

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.15	0.095	ND	0.017	0.011	
106-93-4	1,2-Dibromoethane	ND	0.15	0.084	ND	0.019	0.011	
127-18-4	Tetrachloroethene	**2.4**	0.15	0.093	**0.36**	0.022	0.014	
108-90-7	Chlorobenzene	ND	0.70	0.096	ND	0.15	0.021	
100-41-4	Ethylbenzene	**0.32**	0.70	0.10	**0.074**	0.16	0.023	**J**
179601-23-1	m,p-Xylenes	**1.1**	1.5	0.19	**0.25**	0.34	0.044	**J**
75-25-2	Bromoform	ND	0.70	0.15	ND	0.068	0.014	
100-42-5	Styrene	**0.12**	0.70	0.12	**0.029**	0.16	0.027	**J**
95-47-6	o-Xylene	**0.40**	0.70	0.10	**0.093**	0.16	0.024	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.15	0.10	ND	0.022	0.015	
98-82-8	Cumene	ND	0.70	0.10	ND	0.14	0.021	
622-96-8	4-Ethyltoluene	ND	0.72	0.11	ND	0.15	0.023	
108-67-8	1,3,5-Trimethylbenzene	**0.11**	0.70	0.10	**0.022**	0.14	0.021	**J**
95-63-6	1,2,4-Trimethylbenzene	**0.37**	0.70	0.10	**0.075**	0.14	0.020	**J**
100-44-7	Benzyl Chloride	ND	1.5	0.16	ND	0.29	0.031	
541-73-1	1,3-Dichlorobenzene	ND	0.70	0.11	ND	0.12	0.018	
106-46-7	1,4-Dichlorobenzene	ND	0.70	0.11	ND	0.12	0.018	
95-50-1	1,2-Dichlorobenzene	ND	0.72	0.11	ND	0.12	0.018	
120-82-1	1,2,4-Trichlorobenzene	ND	1.4	0.18	ND	0.18	0.024	
91-20-3	Naphthalene	ND	0.70	0.18	ND	0.13	0.033	
87-68-3	Hexachlorobutadiene	ND	0.70	0.15	ND	0.066	0.014	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: SC00702

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.06 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**6.3**	0.65	0.16	**3.7**	0.38	0.094	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.66	0.11	**0.48**	0.13	0.022	
74-87-3	Chloromethane	**0.46**	0.26	0.11	**0.22**	0.13	0.052	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.11**	0.68	0.11	**0.016**	0.097	0.015	**J**
75-01-4	Vinyl Chloride	ND	0.14	0.071	ND	0.054	0.028	
106-99-0	1,3-Butadiene	ND	0.26	0.11	ND	0.12	0.050	
74-83-9	Bromomethane	ND	0.26	0.093	ND	0.068	0.024	
75-00-3	Chloroethane	ND	0.26	0.083	ND	0.10	0.031	
67-64-1	Acetone	**26**	6.5	1.5	**11**	2.7	0.63	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.65	0.10	**0.21**	0.12	0.018	
67-63-0	2-Propanol (Isopropyl Alcohol)	**13**	1.3	0.28	**5.5**	0.51	0.11	
75-35-4	1,1-Dichloroethene	ND	0.14	0.093	ND	0.035	0.023	
75-09-2	Methylene Chloride	**0.48**	0.65	0.19	**0.14**	0.19	0.054	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.52**	0.68	0.095	**0.068**	0.088	0.012	**J**
75-15-0	Carbon Disulfide	ND	1.4	0.20	ND	0.44	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.14	0.093	ND	0.035	0.023	
75-34-3	1,1-Dichloroethane	ND	0.14	0.098	ND	0.034	0.024	
1634-04-4	Methyl tert-Butyl Ether	ND	0.66	0.079	ND	0.18	0.022	
108-05-4	Vinyl Acetate	ND	6.3	1.5	ND	1.8	0.43	
78-93-3	2-Butanone (MEK)	**1.6**	1.3	0.14	**0.53**	0.42	0.047	
156-59-2	cis-1,2-Dichloroethene	**0.096**	0.14	0.094	**0.024**	0.035	0.024	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-002

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: SC00702

Initial Pressure (psig): -0.06 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**7.7**	2.6	0.35	**2.1**	0.73	0.097	**V**
110-54-3	n-Hexane	**1.2**	0.66	0.14	**0.35**	0.19	0.039	
67-66-3	Chloroform	**0.38**	0.14	0.089	**0.079**	0.028	0.018	
109-99-9	Tetrahydrofuran (THF)	**0.14**	1.3	0.084	**0.048**	0.42	0.028	**J**
107-06-2	1,2-Dichloroethane	ND	0.14	0.074	ND	0.034	0.018	
71-55-6	1,1,1-Trichloroethane	**0.68**	0.14	0.083	**0.12**	0.025	0.015	
71-43-2	Benzene	**0.95**	0.14	0.096	**0.30**	0.043	0.030	
56-23-5	Carbon Tetrachloride	**0.47**	0.14	0.093	**0.075**	0.022	0.015	
110-82-7	Cyclohexane	**0.26**	1.4	0.19	**0.075**	0.40	0.054	**J**
78-87-5	1,2-Dichloropropane	ND	0.14	0.083	ND	0.030	0.018	
75-27-4	Bromodichloromethane	ND	0.14	0.096	ND	0.021	0.014	
79-01-6	Trichloroethene	**25**	0.14	0.090	**4.7**	0.026	0.017	
123-91-1	1,4-Dioxane	ND	0.65	0.079	ND	0.18	0.022	
142-82-5	n-Heptane	**0.39**	0.66	0.11	**0.094**	0.16	0.026	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.66	0.10	ND	0.15	0.023	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**0.62**	1.4	0.091	**0.15**	0.34	0.022	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.64	0.14	ND	0.14	0.030	
79-00-5	1,1,2-Trichloroethane	ND	0.14	0.068	ND	0.025	0.012	
108-88-3	Toluene	**1.6**	0.65	0.081	**0.42**	0.17	0.022	
591-78-6	2-Hexanone	**0.19**	1.4	0.083	**0.045**	0.34	0.020	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Tryon** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-002

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: SC00702

Initial Pressure (psig): -0.06 Final Pressure (psig): 3.66

Canister Dilution Factor: 1.25

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.14	0.088	ND	0.016	0.010	
106-93-4	1,2-Dibromoethane	ND	0.14	0.078	ND	0.018	0.010	
127-18-4	Tetrachloroethene	**2.3**	0.14	0.086	**0.34**	0.020	0.013	
108-90-7	Chlorobenzene	ND	0.65	0.089	ND	0.14	0.019	
100-41-4	Ethylbenzene	**0.29**	0.65	0.094	**0.066**	0.15	0.022	**J**
179601-23-1	m,p-Xylenes	**0.94**	1.4	0.18	**0.22**	0.32	0.040	**J**
75-25-2	Bromoform	ND	0.65	0.14	ND	0.063	0.013	
100-42-5	Styrene	ND	0.65	0.11	ND	0.15	0.025	
95-47-6	o-Xylene	**0.37**	0.65	0.096	**0.085**	0.15	0.022	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.14	0.093	ND	0.020	0.013	
98-82-8	Cumene	ND	0.65	0.096	ND	0.13	0.020	
622-96-8	4-Ethyltoluene	ND	0.66	0.11	ND	0.13	0.022	
108-67-8	1,3,5-Trimethylbenzene	ND	0.65	0.096	ND	0.13	0.020	
95-63-6	1,2,4-Trimethylbenzene	**0.30**	0.65	0.093	**0.062**	0.13	0.019	**J**
100-44-7	Benzyl Chloride	ND	1.4	0.15	ND	0.27	0.029	
541-73-1	1,3-Dichlorobenzene	ND	0.65	0.10	ND	0.11	0.017	
106-46-7	1,4-Dichlorobenzene	ND	0.65	0.10	ND	0.11	0.017	
95-50-1	1,2-Dichlorobenzene	ND	0.66	0.099	ND	0.11	0.016	
120-82-1	1,2,4-Trichlorobenzene	ND	1.3	0.16	ND	0.17	0.022	
91-20-3	Naphthalene	ND	0.65	0.16	ND	0.12	0.031	
87-68-3	Hexachlorobutadiene	ND	0.65	0.14	ND	0.061	0.013	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Central**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01727

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.71 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**31**	0.69	0.17	**18**	0.40	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.70	0.11	**0.49**	0.14	0.023	
74-87-3	Chloromethane	**0.39**	0.28	0.11	**0.19**	0.13	0.055	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.11**	0.71	0.11	**0.016**	0.10	0.016	**J**
75-01-4	Vinyl Chloride	ND	0.15	0.075	ND	0.057	0.029	
106-99-0	1,3-Butadiene	ND	0.28	0.12	ND	0.13	0.053	
74-83-9	Bromomethane	ND	0.28	0.098	ND	0.071	0.025	
75-00-3	Chloroethane	ND	0.28	0.087	ND	0.11	0.033	
67-64-1	Acetone	**66**	6.9	1.6	**28**	2.9	0.67	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.4**	0.69	0.11	**0.25**	0.12	0.019	
67-63-0	2-Propanol (Isopropyl Alcohol)	**91**	1.3	0.29	**37**	0.54	0.12	
75-35-4	1,1-Dichloroethene	ND	0.15	0.098	ND	0.037	0.025	
75-09-2	Methylene Chloride	**0.47**	0.69	0.20	**0.14**	0.20	0.057	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.52**	0.71	0.10	**0.068**	0.093	0.013	**J**
75-15-0	Carbon Disulfide	ND	1.5	0.21	ND	0.47	0.068	
156-60-5	trans-1,2-Dichloroethene	ND	0.15	0.098	ND	0.037	0.025	
75-34-3	1,1-Dichloroethane	ND	0.15	0.10	ND	0.036	0.025	
1634-04-4	Methyl tert-Butyl Ether	ND	0.70	0.083	ND	0.19	0.023	
108-05-4	Vinyl Acetate	ND	6.6	1.6	ND	1.9	0.45	
78-93-3	2-Butanone (MEK)	**0.42**	1.3	0.15	**0.14**	0.45	0.049	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.15	0.099	ND	0.037	0.025	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Central** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-003

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01727

Initial Pressure (psig): -0.71 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**13**	2.8	0.37	**3.5**	0.77	0.10	**V**
110-54-3	n-Hexane	**0.50**	0.70	0.15	**0.14**	0.20	0.041	**J**
67-66-3	Chloroform	**0.26**	0.15	0.094	**0.054**	0.030	0.019	
109-99-9	Tetrahydrofuran (THF)	ND	1.3	0.088	ND	0.45	0.030	
107-06-2	1,2-Dichloroethane	ND	0.15	0.078	ND	0.036	0.019	
71-55-6	1,1,1-Trichloroethane	ND	0.15	0.087	ND	0.027	0.016	
71-43-2	Benzene	**0.51**	0.15	0.10	**0.16**	0.045	0.032	
56-23-5	Carbon Tetrachloride	**0.53**	0.15	0.098	**0.084**	0.023	0.016	
110-82-7	Cyclohexane	ND	1.5	0.20	ND	0.42	0.058	
78-87-5	1,2-Dichloropropane	ND	0.15	0.087	ND	0.031	0.019	
75-27-4	Bromodichloromethane	ND	0.15	0.10	ND	0.022	0.015	
79-01-6	Trichloroethene	**1.3**	0.15	0.095	**0.23**	0.027	0.018	
123-91-1	1,4-Dioxane	ND	0.69	0.083	ND	0.19	0.023	
142-82-5	n-Heptane	**0.21**	0.70	0.11	**0.051**	0.17	0.027	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.70	0.11	ND	0.15	0.024	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**0.21**	1.5	0.096	**0.051**	0.35	0.024	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.67	0.15	ND	0.15	0.032	
79-00-5	1,1,2-Trichloroethane	ND	0.15	0.071	ND	0.027	0.013	
108-88-3	Toluene	**0.87**	0.69	0.086	**0.23**	0.18	0.023	
591-78-6	2-Hexanone	ND	1.5	0.087	ND	0.35	0.021	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Central** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-003

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01727

Initial Pressure (psig): -0.71 Final Pressure (psig): 3.72

Canister Dilution Factor: 1.32

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.15	0.092	ND	0.017	0.011	
106-93-4	1,2-Dibromoethane	ND	0.15	0.082	ND	0.019	0.011	
127-18-4	Tetrachloroethene	**0.24**	0.15	0.091	**0.035**	0.021	0.013	
108-90-7	Chlorobenzene	ND	0.69	0.094	ND	0.15	0.020	
100-41-4	Ethylbenzene	**0.14**	0.69	0.099	**0.032**	0.16	0.023	**J**
179601-23-1	m,p-Xylenes	**0.38**	1.5	0.18	**0.088**	0.33	0.043	**J**
75-25-2	Bromoform	ND	0.69	0.15	ND	0.066	0.014	
100-42-5	Styrene	ND	0.69	0.11	ND	0.16	0.027	
95-47-6	o-Xylene	**0.17**	0.69	0.10	**0.038**	0.16	0.023	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.15	0.098	ND	0.021	0.014	
98-82-8	Cumene	ND	0.69	0.10	ND	0.14	0.021	
622-96-8	4-Ethyltoluene	ND	0.70	0.11	ND	0.14	0.023	
108-67-8	1,3,5-Trimethylbenzene	ND	0.69	0.10	ND	0.14	0.021	
95-63-6	1,2,4-Trimethylbenzene	**0.12**	0.69	0.098	**0.024**	0.14	0.020	**J**
100-44-7	Benzyl Chloride	ND	1.5	0.16	ND	0.28	0.031	
541-73-1	1,3-Dichlorobenzene	ND	0.69	0.11	ND	0.11	0.018	
106-46-7	1,4-Dichlorobenzene	ND	0.69	0.11	ND	0.11	0.018	
95-50-1	1,2-Dichlorobenzene	ND	0.70	0.10	ND	0.12	0.017	
120-82-1	1,2,4-Trichlorobenzene	ND	1.3	0.17	ND	0.18	0.023	
91-20-3	Naphthalene	**0.19**	0.69	0.17	**0.037**	0.13	0.033	**J**
87-68-3	Hexachlorobutadiene	ND	0.69	0.15	ND	0.064	0.014	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Boxman**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC01178

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)
0.20 Liter(s)

Initial Pressure (psig): -0.48 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**93**	0.67	0.17	**54**	0.39	0.097	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	0.68	0.11	**0.50**	0.14	0.023	
74-87-3	Chloromethane	**0.42**	0.27	0.11	**0.21**	0.13	0.054	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.13**	0.70	0.11	**0.018**	0.10	0.016	**J**
75-01-4	Vinyl Chloride	ND	0.14	0.074	ND	0.056	0.029	
106-99-0	1,3-Butadiene	ND	0.27	0.11	ND	0.12	0.051	
74-83-9	Bromomethane	ND	0.27	0.095	ND	0.070	0.025	
75-00-3	Chloroethane	ND	0.27	0.085	ND	0.10	0.032	
67-64-1	Acetone	**210**	6.7	1.5	**89**	2.8	0.65	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.3**	0.67	0.10	**0.23**	0.12	0.019	
67-63-0	2-Propanol (Isopropyl Alcohol)	**400**	6.5	1.4	**160**	2.6	0.58	**D**
75-35-4	1,1-Dichloroethene	ND	0.14	0.095	ND	0.036	0.024	
75-09-2	Methylene Chloride	**0.60**	0.67	0.19	**0.17**	0.19	0.056	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.52**	0.70	0.098	**0.068**	0.091	0.013	**J**
75-15-0	Carbon Disulfide	**0.48**	1.4	0.21	**0.15**	0.46	0.066	**J**
156-60-5	trans-1,2-Dichloroethene	**0.28**	0.14	0.095	**0.071**	0.036	0.024	
75-34-3	1,1-Dichloroethane	ND	0.14	0.10	ND	0.035	0.025	
1634-04-4	Methyl tert-Butyl Ether	ND	0.68	0.081	ND	0.19	0.023	
108-05-4	Vinyl Acetate	ND	6.5	1.5	ND	1.8	0.44	
78-93-3	2-Butanone (MEK)	**0.87**	1.3	0.14	**0.29**	0.44	0.048	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.14	0.097	ND	0.036	0.024	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
D = The reported result is from a dilution.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Boxman** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-004

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.20 Liter(s)
Container ID: AC01178

Initial Pressure (psig): -0.48 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**35**	2.7	0.36	**9.7**	0.75	0.10	**V**
110-54-3	n-Hexane	**0.50**	0.68	0.14	**0.14**	0.19	0.040	**J**
67-66-3	Chloroform	**0.57**	0.14	0.092	**0.12**	0.029	0.019	
109-99-9	Tetrahydrofuran (THF)	ND	1.3	0.086	ND	0.44	0.029	
107-06-2	1,2-Dichloroethane	ND	0.14	0.076	ND	0.035	0.019	
71-55-6	1,1,1-Trichloroethane	ND	0.14	0.085	ND	0.026	0.016	
71-43-2	Benzene	**0.60**	0.14	0.099	**0.19**	0.044	0.031	
56-23-5	Carbon Tetrachloride	**0.64**	0.14	0.095	**0.10**	0.023	0.015	
110-82-7	Cyclohexane	ND	1.4	0.19	ND	0.41	0.056	
78-87-5	1,2-Dichloropropane	ND	0.14	0.085	ND	0.031	0.018	
75-27-4	Bromodichloromethane	ND	0.14	0.099	ND	0.021	0.015	
79-01-6	Trichloroethene	**0.52**	0.14	0.093	**0.097**	0.026	0.017	
123-91-1	1,4-Dioxane	ND	0.67	0.081	ND	0.19	0.023	
142-82-5	n-Heptane	**0.24**	0.68	0.11	**0.058**	0.17	0.027	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	0.11	ND	0.15	0.024	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**0.32**	1.4	0.094	**0.078**	0.35	0.023	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.66	0.14	ND	0.14	0.031	
79-00-5	1,1,2-Trichloroethane	ND	0.14	0.070	ND	0.026	0.013	
108-88-3	Toluene	**1.3**	0.67	0.084	**0.34**	0.18	0.022	
591-78-6	2-Hexanone	**0.19**	1.4	0.085	**0.045**	0.35	0.021	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Boxman**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC01178

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)
0.20 Liter(s)

Initial Pressure (psig): -0.48 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.29

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.14	0.090	ND	0.017	0.011	
106-93-4	1,2-Dibromoethane	ND	0.14	0.080	ND	0.018	0.010	
127-18-4	Tetrachloroethene	**0.19**	0.14	0.089	**0.028**	0.021	0.013	
108-90-7	Chlorobenzene	ND	0.67	0.092	ND	0.15	0.020	
100-41-4	Ethylbenzene	**0.15**	0.67	0.097	**0.035**	0.15	0.022	**J**
179601-23-1	m,p-Xylenes	**0.46**	1.4	0.18	**0.11**	0.33	0.042	**J**
75-25-2	Bromoform	ND	0.67	0.14	ND	0.065	0.014	
100-42-5	Styrene	ND	0.67	0.11	ND	0.16	0.026	
95-47-6	o-Xylene	**0.18**	0.67	0.099	**0.042**	0.15	0.023	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.14	0.095	ND	0.021	0.014	
98-82-8	Cumene	ND	0.67	0.099	ND	0.14	0.020	
622-96-8	4-Ethyltoluene	ND	0.68	0.11	ND	0.14	0.022	
108-67-8	1,3,5-Trimethylbenzene	ND	0.67	0.099	ND	0.14	0.020	
95-63-6	1,2,4-Trimethylbenzene	**0.16**	0.67	0.095	**0.033**	0.14	0.019	**J**
100-44-7	Benzyl Chloride	ND	1.4	0.15	ND	0.27	0.030	
541-73-1	1,3-Dichlorobenzene	ND	0.67	0.10	ND	0.11	0.017	
106-46-7	1,4-Dichlorobenzene	ND	0.67	0.11	ND	0.11	0.018	
95-50-1	1,2-Dichlorobenzene	ND	0.68	0.10	ND	0.11	0.017	
120-82-1	1,2,4-Trichlorobenzene	ND	1.3	0.17	ND	0.17	0.023	
91-20-3	Naphthalene	ND	0.67	0.17	ND	0.13	0.032	
87-68-3	Hexachlorobutadiene	ND	0.67	0.14	ND	0.063	0.013	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **AA-001-01**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00111

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.27 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	0.71	0.18	ND	0.41	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	0.73	0.12	**0.50**	0.15	0.024	
74-87-3	Chloromethane	**0.44**	0.29	0.12	**0.21**	0.14	0.057	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.12**	0.74	0.12	**0.016**	0.11	0.016	**J**
75-01-4	Vinyl Chloride	ND	0.15	0.078	ND	0.059	0.031	
106-99-0	1,3-Butadiene	ND	0.29	0.12	ND	0.13	0.055	
74-83-9	Bromomethane	ND	0.29	0.10	ND	0.074	0.026	
75-00-3	Chloroethane	ND	0.29	0.090	ND	0.11	0.034	
67-64-1	Acetone	**3.3**	7.1	1.6	**1.4**	3.0	0.69	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.71	0.11	**0.22**	0.13	0.020	
67-63-0	2-Propanol (Isopropyl Alcohol)	**0.83**	1.4	0.30	**0.34**	0.56	0.12	**J**
75-35-4	1,1-Dichloroethene	ND	0.15	0.10	ND	0.038	0.026	
75-09-2	Methylene Chloride	**0.30**	0.71	0.21	**0.087**	0.21	0.059	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.51**	0.74	0.10	**0.067**	0.097	0.014	**J**
75-15-0	Carbon Disulfide	ND	1.5	0.22	ND	0.48	0.070	
156-60-5	trans-1,2-Dichloroethene	ND	0.15	0.10	ND	0.038	0.026	
75-34-3	1,1-Dichloroethane	ND	0.15	0.11	ND	0.037	0.026	
1634-04-4	Methyl tert-Butyl Ether	ND	0.73	0.086	ND	0.20	0.024	
108-05-4	Vinyl Acetate	ND	6.9	1.6	ND	1.9	0.47	
78-93-3	2-Butanone (MEK)	**0.36**	1.4	0.15	**0.12**	0.46	0.051	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.15	0.10	ND	0.038	0.026	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **AA-001-01** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-005

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS00111

Initial Pressure (psig): -1.27 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**8.3**	2.9	0.38	**2.3**	0.80	0.11	**V**
110-54-3	n-Hexane	**0.30**	0.73	0.15	**0.086**	0.21	0.043	**J**
67-66-3	Chloroform	ND	0.15	0.097	ND	0.031	0.020	
109-99-9	Tetrahydrofuran (THF)	ND	1.4	0.092	ND	0.46	0.031	
107-06-2	1,2-Dichloroethane	ND	0.15	0.081	ND	0.037	0.020	
71-55-6	1,1,1-Trichloroethane	ND	0.15	0.090	ND	0.028	0.017	
71-43-2	Benzene	**0.48**	0.15	0.11	**0.15**	0.047	0.033	
56-23-5	Carbon Tetrachloride	**0.46**	0.15	0.10	**0.074**	0.024	0.016	
110-82-7	Cyclohexane	ND	1.5	0.21	ND	0.44	0.060	
78-87-5	1,2-Dichloropropane	ND	0.15	0.090	ND	0.033	0.020	
75-27-4	Bromodichloromethane	ND	0.15	0.11	ND	0.023	0.016	
79-01-6	Trichloroethene	ND	0.15	0.099	ND	0.028	0.018	
123-91-1	1,4-Dioxane	ND	0.71	0.086	ND	0.20	0.024	
142-82-5	n-Heptane	ND	0.73	0.12	ND	0.18	0.028	
10061-01-5	cis-1,3-Dichloropropene	ND	0.73	0.11	ND	0.16	0.025	
108-10-1	4-Methyl-2-pentanone	ND	1.5	0.10	ND	0.37	0.024	
10061-02-6	trans-1,3-Dichloropropene	ND	0.70	0.15	ND	0.15	0.033	
79-00-5	1,1,2-Trichloroethane	ND	0.15	0.074	ND	0.028	0.014	
108-88-3	Toluene	**0.54**	0.71	0.089	**0.14**	0.19	0.024	**J**
591-78-6	2-Hexanone	ND	1.5	0.090	ND	0.37	0.022	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **AA-001-01**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS00111

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.27 Final Pressure (psig): 3.74

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.15	0.096	ND	0.018	0.011	
106-93-4	1,2-Dibromoethane	ND	0.15	0.085	ND	0.020	0.011	
127-18-4	Tetrachloroethene	ND	0.15	0.095	ND	0.022	0.014	
108-90-7	Chlorobenzene	ND	0.71	0.097	ND	0.15	0.021	
100-41-4	Ethylbenzene	ND	0.71	0.10	ND	0.16	0.024	
179601-23-1	m,p-Xylenes	ND	1.5	0.19	ND	0.35	0.044	
75-25-2	Bromoform	ND	0.71	0.15	ND	0.069	0.015	
100-42-5	Styrene	ND	0.71	0.12	ND	0.17	0.028	
95-47-6	o-Xylene	ND	0.71	0.11	ND	0.16	0.024	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.15	0.10	ND	0.022	0.015	
98-82-8	Cumene	ND	0.71	0.11	ND	0.14	0.021	
622-96-8	4-Ethyltoluene	ND	0.73	0.12	ND	0.15	0.024	
108-67-8	1,3,5-Trimethylbenzene	ND	0.71	0.11	ND	0.14	0.021	
95-63-6	1,2,4-Trimethylbenzene	ND	0.71	0.10	ND	0.14	0.021	
100-44-7	Benzyl Chloride	ND	1.5	0.16	ND	0.29	0.032	
541-73-1	1,3-Dichlorobenzene	ND	0.71	0.11	ND	0.12	0.018	
106-46-7	1,4-Dichlorobenzene	ND	0.71	0.11	ND	0.12	0.019	
95-50-1	1,2-Dichlorobenzene	ND	0.73	0.11	ND	0.12	0.018	
120-82-1	1,2,4-Trichlorobenzene	ND	1.4	0.18	ND	0.18	0.024	
91-20-3	Naphthalene	ND	0.71	0.18	ND	0.14	0.034	
87-68-3	Hexachlorobutadiene	ND	0.71	0.15	ND	0.067	0.014	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

CLC 2/14/2023

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Basement**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-006

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01654

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -1.93 Final Pressure (psig): 3.85

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**3.8**	0.75	0.19	**2.2**	0.44	0.11	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.77	0.13	**0.48**	0.16	0.026	
74-87-3	Chloromethane	**0.39**	0.30	0.12	**0.19**	0.15	0.060	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.78	0.12	ND	0.11	0.017	
75-01-4	Vinyl Chloride	ND	0.16	0.083	ND	0.062	0.032	
106-99-0	1,3-Butadiene	ND	0.30	0.13	ND	0.14	0.058	
74-83-9	Bromomethane	ND	0.30	0.11	ND	0.078	0.028	
75-00-3	Chloroethane	ND	0.30	0.096	ND	0.12	0.036	
67-64-1	Acetone	**38**	7.5	1.7	**16**	3.2	0.73	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.75	0.12	**0.22**	0.13	0.021	
67-63-0	2-Propanol (Isopropyl Alcohol)	**7.4**	1.5	0.32	**3.0**	0.59	0.13	
75-35-4	1,1-Dichloroethene	ND	0.16	0.11	ND	0.040	0.027	
75-09-2	Methylene Chloride	**0.57**	0.75	0.22	**0.16**	0.22	0.063	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.51**	0.78	0.11	**0.067**	0.10	0.014	**J**
75-15-0	Carbon Disulfide	ND	1.6	0.23	ND	0.51	0.075	
156-60-5	trans-1,2-Dichloroethene	ND	0.16	0.11	ND	0.040	0.027	
75-34-3	1,1-Dichloroethane	ND	0.16	0.11	ND	0.039	0.028	
1634-04-4	Methyl tert-Butyl Ether	ND	0.77	0.091	ND	0.21	0.025	
108-05-4	Vinyl Acetate	ND	7.3	1.7	ND	2.1	0.49	
78-93-3	2-Butanone (MEK)	**1.4**	1.5	0.16	**0.48**	0.49	0.054	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.16	0.11	ND	0.040	0.027	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Basement** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-006

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01654

Initial Pressure (psig): -1.93 Final Pressure (psig): 3.85

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**100**	3.0	0.41	**28**	0.85	0.11	**V**
110-54-3	n-Hexane	**3.0**	0.77	0.16	**0.86**	0.22	0.045	
67-66-3	Chloroform	**0.74**	0.16	0.10	**0.15**	0.033	0.021	
109-99-9	Tetrahydrofuran (THF)	ND	1.5	0.097	ND	0.49	0.033	
107-06-2	1,2-Dichloroethane	ND	0.16	0.086	ND	0.039	0.021	
71-55-6	1,1,1-Trichloroethane	**0.32**	0.16	0.096	**0.060**	0.029	0.018	
71-43-2	Benzene	**1.7**	0.16	0.11	**0.55**	0.050	0.035	
56-23-5	Carbon Tetrachloride	**0.51**	0.16	0.11	**0.081**	0.025	0.017	
110-82-7	Cyclohexane	**0.58**	1.6	0.22	**0.17**	0.46	0.063	**J**
78-87-5	1,2-Dichloropropane	ND	0.16	0.096	ND	0.035	0.021	
75-27-4	Bromodichloromethane	**0.33**	0.16	0.11	**0.050**	0.024	0.017	
79-01-6	Trichloroethene	**11**	0.16	0.10	**2.1**	0.030	0.019	
123-91-1	1,4-Dioxane	ND	0.75	0.091	ND	0.21	0.025	
142-82-5	n-Heptane	**0.79**	0.77	0.12	**0.19**	0.19	0.030	
10061-01-5	cis-1,3-Dichloropropene	ND	0.77	0.12	ND	0.17	0.027	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**1.1**	1.6	0.11	**0.26**	0.39	0.026	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.74	0.16	ND	0.16	0.035	
79-00-5	1,1,2-Trichloroethane	ND	0.16	0.078	ND	0.029	0.014	
108-88-3	Toluene	**5.7**	0.75	0.094	**1.5**	0.20	0.025	
591-78-6	2-Hexanone	**0.16**	1.6	0.096	**0.040**	0.39	0.023	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Basement** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-006

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AS01654

Initial Pressure (psig): -1.93 Final Pressure (psig): 3.85

Canister Dilution Factor: 1.45

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	**0.41**	0.16	0.10	**0.048**	0.019	0.012	
106-93-4	1,2-Dibromoethane	ND	0.16	0.090	ND	0.021	0.012	
127-18-4	Tetrachloroethene	**2.5**	0.16	0.10	**0.37**	0.024	0.015	
108-90-7	Chlorobenzene	ND	0.75	0.10	ND	0.16	0.022	
100-41-4	Ethylbenzene	**0.65**	0.75	0.11	**0.15**	0.17	0.025	**J**
179601-23-1	m,p-Xylenes	**2.3**	1.6	0.20	**0.53**	0.37	0.047	
75-25-2	Bromoform	**0.95**	0.75	0.16	**0.092**	0.073	0.015	
100-42-5	Styrene	**0.29**	0.75	0.12	**0.067**	0.18	0.029	**J**
95-47-6	o-Xylene	**0.86**	0.75	0.11	**0.20**	0.17	0.026	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.16	0.11	ND	0.023	0.016	
98-82-8	Cumene	ND	0.75	0.11	ND	0.15	0.023	
622-96-8	4-Ethyltoluene	**0.20**	0.77	0.12	**0.040**	0.16	0.025	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.18**	0.75	0.11	**0.036**	0.15	0.023	**J**
95-63-6	1,2,4-Trimethylbenzene	**0.65**	0.75	0.11	**0.13**	0.15	0.022	**J**
100-44-7	Benzyl Chloride	ND	1.6	0.17	ND	0.31	0.034	
541-73-1	1,3-Dichlorobenzene	ND	0.75	0.12	ND	0.13	0.019	
106-46-7	1,4-Dichlorobenzene	ND	0.75	0.12	ND	0.13	0.020	
95-50-1	1,2-Dichlorobenzene	ND	0.77	0.11	ND	0.13	0.019	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	0.19	ND	0.20	0.025	
91-20-3	Naphthalene	**0.45**	0.75	0.19	**0.087**	0.14	0.036	**J**
87-68-3	Hexachlorobutadiene	ND	0.75	0.16	ND	0.071	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-Print**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-007

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02513

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -3.13 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**3.5**	0.83	0.21	**2.0**	0.48	0.12	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.6**	0.84	0.14	**0.52**	0.17	0.028	
74-87-3	Chloromethane	**0.44**	0.33	0.14	**0.21**	0.16	0.066	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.86	0.13	ND	0.12	0.019	
75-01-4	Vinyl Chloride	ND	0.17	0.091	ND	0.068	0.035	
106-99-0	1,3-Butadiene	ND	0.33	0.14	ND	0.15	0.063	
74-83-9	Bromomethane	ND	0.33	0.12	ND	0.086	0.030	
75-00-3	Chloroethane	ND	0.33	0.10	ND	0.13	0.040	
67-64-1	Acetone	**9.3**	8.3	1.9	**3.9**	3.5	0.80	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.83	0.13	**0.22**	0.15	0.023	
67-63-0	2-Propanol (Isopropyl Alcohol)	**7.5**	1.6	0.35	**3.0**	0.65	0.14	
75-35-4	1,1-Dichloroethene	ND	0.17	0.12	ND	0.044	0.030	
75-09-2	Methylene Chloride	**0.35**	0.83	0.24	**0.10**	0.24	0.069	**J**
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.54**	0.86	0.12	**0.070**	0.11	0.016	**J**
75-15-0	Carbon Disulfide	ND	1.7	0.25	ND	0.56	0.082	
156-60-5	trans-1,2-Dichloroethene	ND	0.17	0.12	ND	0.044	0.030	
75-34-3	1,1-Dichloroethane	ND	0.17	0.12	ND	0.043	0.031	
1634-04-4	Methyl tert-Butyl Ether	ND	0.84	0.10	ND	0.23	0.028	
108-05-4	Vinyl Acetate	ND	8.0	1.9	ND	2.3	0.54	
78-93-3	2-Butanone (MEK)	**2.0**	1.6	0.17	**0.67**	0.54	0.059	
156-59-2	cis-1,2-Dichloroethene	ND	0.17	0.12	ND	0.044	0.030	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Print** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-007

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:
Container ID: AC02513

Initial Pressure (psig): -3.13 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**2.2**	3.3	0.45	**0.61**	0.93	0.12	**J, V**
110-54-3	n-Hexane	**0.31**	0.84	0.17	**0.087**	0.24	0.050	**J**
67-66-3	Chloroform	**0.15**	0.17	0.11	**0.031**	0.036	0.023	**J**
109-99-9	Tetrahydrofuran (THF)	ND	1.6	0.11	ND	0.54	0.036	
107-06-2	1,2-Dichloroethane	ND	0.17	0.094	ND	0.043	0.023	
71-55-6	1,1,1-Trichloroethane	ND	0.17	0.10	ND	0.032	0.019	
71-43-2	Benzene	**0.39**	0.17	0.12	**0.12**	0.055	0.038	
56-23-5	Carbon Tetrachloride	**0.47**	0.17	0.12	**0.075**	0.028	0.019	
110-82-7	Cyclohexane	ND	1.7	0.24	ND	0.51	0.069	
78-87-5	1,2-Dichloropropane	ND	0.17	0.10	ND	0.038	0.023	
75-27-4	Bromodichloromethane	ND	0.17	0.12	ND	0.026	0.018	
79-01-6	Trichloroethene	**1.3**	0.17	0.11	**0.24**	0.033	0.021	
123-91-1	1,4-Dioxane	ND	0.83	0.10	ND	0.23	0.028	
142-82-5	n-Heptane	**0.16**	0.84	0.14	**0.039**	0.21	0.033	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.84	0.13	ND	0.19	0.029	
108-10-1	4-Methyl-2-pentanone	ND	1.7	0.12	ND	0.43	0.028	
10061-02-6	trans-1,3-Dichloropropene	ND	0.81	0.17	ND	0.18	0.039	
79-00-5	1,1,2-Trichloroethane	ND	0.17	0.086	ND	0.032	0.016	
108-88-3	Toluene	**0.89**	0.83	0.10	**0.24**	0.22	0.027	
591-78-6	2-Hexanone	ND	1.7	0.10	ND	0.43	0.026	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-Print**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-007

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02513

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -3.13 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.17	0.11	ND	0.021	0.013	
106-93-4	1,2-Dibromoethane	ND	0.17	0.099	ND	0.023	0.013	
127-18-4	Tetrachloroethene	ND	0.17	0.11	ND	0.026	0.016	
108-90-7	Chlorobenzene	ND	0.83	0.11	ND	0.18	0.025	
100-41-4	Ethylbenzene	ND	0.83	0.12	ND	0.19	0.027	
179601-23-1	m,p-Xylenes	**0.24**	1.7	0.22	**0.055**	0.40	0.051	**J**
75-25-2	Bromoform	ND	0.83	0.17	ND	0.080	0.017	
100-42-5	Styrene	ND	0.83	0.14	ND	0.19	0.032	
95-47-6	o-Xylene	ND	0.83	0.12	ND	0.19	0.028	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.17	0.12	ND	0.025	0.017	
98-82-8	Cumene	ND	0.83	0.12	ND	0.17	0.025	
622-96-8	4-Ethyltoluene	ND	0.84	0.14	ND	0.17	0.028	
108-67-8	1,3,5-Trimethylbenzene	ND	0.83	0.12	ND	0.17	0.025	
95-63-6	1,2,4-Trimethylbenzene	**0.27**	0.83	0.12	**0.055**	0.17	0.024	**J**
100-44-7	Benzyl Chloride	ND	1.7	0.19	ND	0.34	0.037	
541-73-1	1,3-Dichlorobenzene	ND	0.83	0.13	ND	0.14	0.021	
106-46-7	1,4-Dichlorobenzene	ND	0.83	0.13	ND	0.14	0.022	
95-50-1	1,2-Dichlorobenzene	ND	0.84	0.13	ND	0.14	0.021	
120-82-1	1,2,4-Trichlorobenzene	ND	1.6	0.21	ND	0.21	0.028	
91-20-3	Naphthalene	ND	0.83	0.21	ND	0.16	0.039	
87-68-3	Hexachlorobutadiene	ND	0.83	0.17	ND	0.078	0.016	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **SS-001-Tryon**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-008

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02416

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.025 Liter(s)

Initial Pressure (psig): -3.20 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	ND	33	8.3	ND	19	4.8	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	34	5.5	ND	6.8	1.1	
74-87-3	Chloromethane	ND	13	5.5	ND	6.5	2.6	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	34	5.3	ND	4.9	0.76	
75-01-4	Vinyl Chloride	ND	7.0	3.6	ND	2.7	1.4	
106-99-0	1,3-Butadiene	ND	13	5.6	ND	6.0	2.5	
74-83-9	Bromomethane	ND	13	4.7	ND	3.4	1.2	
75-00-3	Chloroethane	ND	13	4.2	ND	5.1	1.6	
67-64-1	Acetone	ND	330	76	ND	140	32	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	33	5.2	ND	5.9	0.92	
67-63-0	2-Propanol (Isopropyl Alcohol)	**94**	64	14	**38**	26	5.7	
75-35-4	1,1-Dichloroethene	ND	7.0	4.7	ND	1.8	1.2	
75-09-2	Methylene Chloride	ND	33	9.5	ND	9.5	2.7	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	34	4.8	ND	4.5	0.63	
75-15-0	Carbon Disulfide	ND	70	10	ND	22	3.3	
156-60-5	trans-1,2-Dichloroethene	ND	7.0	4.7	ND	1.8	1.2	
75-34-3	1,1-Dichloroethane	ND	7.0	5.0	ND	1.7	1.2	
1634-04-4	Methyl tert-Butyl Ether	ND	34	4.0	ND	9.4	1.1	
108-05-4	Vinyl Acetate	ND	320	76	ND	90	22	
78-93-3	2-Butanone (MEK)	ND	64	7.0	ND	22	2.4	
156-59-2	cis-1,2-Dichloroethene	**22**	7.0	4.8	**5.4**	1.8	1.2	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **SS-001-Tryon**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-008

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02416

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.025 Liter(s)

Initial Pressure (psig): -3.20 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	ND	130	18	ND	37	4.9	
110-54-3	n-Hexane	**83**	34	7.0	**23**	9.6	2.0	
67-66-3	Chloroform	**21**	7.0	4.5	**4.4**	1.4	0.93	
109-99-9	Tetrahydrofuran (THF)	ND	64	4.3	ND	22	1.4	
107-06-2	1,2-Dichloroethane	ND	7.0	3.8	ND	1.7	0.93	
71-55-6	1,1,1-Trichloroethane	**99**	7.0	4.2	**18**	1.3	0.77	
71-43-2	Benzene	**15**	7.0	4.9	**4.6**	2.2	1.5	
56-23-5	Carbon Tetrachloride	**20**	7.0	4.7	**3.2**	1.1	0.75	
110-82-7	Cyclohexane	**19**	70	9.5	**5.7**	20	2.8	**J**
78-87-5	1,2-Dichloropropane	ND	7.0	4.2	ND	1.5	0.91	
75-27-4	Bromodichloromethane	ND	7.0	4.9	ND	1.0	0.73	
79-01-6	Trichloroethene	**6,300**	7.0	4.6	**1,200**	1.3	0.85	
123-91-1	1,4-Dioxane	ND	33	4.0	ND	9.2	1.1	
142-82-5	n-Heptane	**44**	34	5.4	**11**	8.2	1.3	
10061-01-5	cis-1,3-Dichloropropene	ND	34	5.3	ND	7.4	1.2	
108-10-1	4-Methyl-2-pentanone	ND	70	4.6	ND	17	1.1	
10061-02-6	trans-1,3-Dichloropropene	ND	32	7.0	ND	7.1	1.5	
79-00-5	1,1,2-Trichloroethane	ND	7.0	3.4	ND	1.3	0.63	
108-88-3	Toluene	**26**	33	4.1	**6.9**	8.8	1.1	**J**
591-78-6	2-Hexanone	ND	70	4.2	ND	17	1.0	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **SS-001-Tryon**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-008

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02416

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.025 Liter(s)

Initial Pressure (psig): -3.20 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	7.0	4.5	ND	0.82	0.52	
106-93-4	1,2-Dibromoethane	ND	7.0	3.9	ND	0.91	0.51	
127-18-4	Tetrachloroethene	**62**	7.0	4.4	**9.2**	1.0	0.65	
108-90-7	Chlorobenzene	ND	33	4.5	ND	7.2	0.98	
100-41-4	Ethylbenzene	ND	33	4.8	ND	7.6	1.1	
179601-23-1	m,p-Xylenes	**9.9**	70	8.9	**2.3**	16	2.1	**J**
75-25-2	Bromoform	ND	33	7.0	ND	3.2	0.68	
100-42-5	Styrene	ND	33	5.5	ND	7.8	1.3	
95-47-6	o-Xylene	ND	33	4.9	ND	7.6	1.1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	4.7	ND	1.0	0.69	
98-82-8	Cumene	ND	33	4.9	ND	6.7	1.0	
622-96-8	4-Ethyltoluene	ND	34	5.4	ND	6.9	1.1	
108-67-8	1,3,5-Trimethylbenzene	ND	33	4.9	ND	6.7	1.0	
95-63-6	1,2,4-Trimethylbenzene	ND	33	4.7	ND	6.7	0.96	
100-44-7	Benzyl Chloride	ND	70	7.6	ND	14	1.5	
541-73-1	1,3-Dichlorobenzene	ND	33	5.1	ND	5.5	0.85	
106-46-7	1,4-Dichlorobenzene	ND	33	5.2	ND	5.5	0.87	
95-50-1	1,2-Dichlorobenzene	ND	34	5.0	ND	5.6	0.84	
120-82-1	1,2,4-Trichlorobenzene	ND	64	8.3	ND	8.6	1.1	
91-20-3	Naphthalene	ND	33	8.3	ND	6.3	1.6	
87-68-3	Hexachlorobutadiene	ND	33	7.0	ND	3.1	0.66	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

No qualification actions necessary.

CLC 2/14/2023

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **SS-001-Central**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-009

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01740

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.25 Liter(s)

Initial Pressure (psig): -1.33 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene J LD	**14**	2.8	0.71	**8.3**	1.7	0.41	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	2.9	0.48	**0.49**	0.59	0.096	**J**
74-87-3	Chloromethane	ND	1.2	0.47	ND	0.56	0.23	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	3.0	0.46	ND	0.42	0.066	
75-01-4	Vinyl Chloride	ND	0.60	0.31	ND	0.24	0.12	
106-99-0	1,3-Butadiene	**1.5**	1.2	0.48	**0.69**	0.52	0.22	
74-83-9	Bromomethane	ND	1.2	0.41	ND	0.30	0.10	
75-00-3	Chloroethane	ND	1.2	0.36	ND	0.44	0.14	
67-64-1	Acetone	**340**	28	6.6	**140**	12	2.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.4**	2.8	0.44	**0.24**	0.51	0.079	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**63**	5.5	1.2	**26**	2.2	0.49	
75-35-4	1,1-Dichloroethene	ND	0.60	0.41	ND	0.15	0.10	
75-09-2	Methylene Chloride	ND	2.8	0.82	ND	0.82	0.24	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	3.0	0.42	**0.063**	0.39	0.054	**J**
75-15-0	Carbon Disulfide	**1.1**	6.0	0.88	**0.37**	1.9	0.28	**J**
156-60-5	trans-1,2-Dichloroethene	ND	0.60	0.41	ND	0.15	0.10	
75-34-3	1,1-Dichloroethane	ND	0.60	0.43	ND	0.15	0.11	
1634-04-4	Methyl tert-Butyl Ether	ND	2.9	0.35	ND	0.81	0.096	
108-05-4	Vinyl Acetate	ND	27	6.6	ND	7.8	1.9	
78-93-3	2-Butanone (MEK)	**27**	5.5	0.60	**9.0**	1.9	0.20	
156-59-2	cis-1,2-Dichloroethene	**0.70**	0.60	0.41	**0.18**	0.15	0.10	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

LD = Lab duplicate precision goal exceeded

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **SS-001-Central** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-009

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Silonite Canister Volume(s) Analyzed: 0.25 Liter(s)
Test Notes:
Container ID: AS01740

Initial Pressure (psig): -1.33 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	ND	12	1.5	ND	3.2	0.43	
110-54-3	n-Hexane	**32**	2.9	0.60	**9.0**	0.82	0.17	
67-66-3	Chloroform	**0.96**	0.60	0.39	**0.20**	0.12	0.080	
109-99-9	Tetrahydrofuran (THF)	ND	5.5	0.37	ND	1.9	0.12	
107-06-2	1,2-Dichloroethane	ND	0.60	0.32	ND	0.15	0.080	
71-55-6	1,1,1-Trichloroethane	**4.8**	0.60	0.36	**0.87**	0.11	0.066	
71-43-2	Benzene	**9.4**	0.60	0.42	**3.0**	0.19	0.13	
56-23-5	Carbon Tetrachloride	**1.3**	0.60	0.41	**0.21**	0.096	0.064	
110-82-7	Cyclohexane	**12**	6.0	0.82	**3.5**	1.8	0.24	
78-87-5	1,2-Dichloropropane	ND	0.60	0.36	ND	0.13	0.078	
75-27-4	Bromodichloromethane	ND	0.60	0.42	ND	0.090	0.063	
79-01-6	Trichloroethene	**480**	0.60	0.39	**89**	0.11	0.073	
123-91-1	1,4-Dioxane	ND	2.8	0.35	ND	0.79	0.096	
142-82-5	n-Heptane	**25**	2.9	0.47	**6.2**	0.71	0.11	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.45	ND	0.64	0.10	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**5.1**	6.0	0.40	**1.3**	1.5	0.098	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.60	ND	0.62	0.13	
79-00-5	1,1,2-Trichloroethane	ND	0.60	0.30	ND	0.11	0.054	
108-88-3	Toluene	**19**	2.8	0.36	**4.9**	0.76	0.095	
591-78-6	2-Hexanone	**15**	6.0	0.36	**3.6**	1.5	0.088	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **SS-001-Central**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-009

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Silonite Canister
Test Notes:
Container ID: AS01740

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 0.25 Liter(s)

Initial Pressure (psig): -1.33 Final Pressure (psig): 3.65

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.60	0.38	ND	0.071	0.045	
106-93-4	1,2-Dibromoethane	ND	0.60	0.34	ND	0.078	0.044	
127-18-4	Tetrachloroethene	**20**	0.60	0.38	**2.9**	0.089	0.056	
108-90-7	Chlorobenzene	ND	2.8	0.39	ND	0.62	0.085	
100-41-4	Ethylbenzene	**2.1**	2.8	0.41	**0.47**	0.66	0.095	**J**
179601-23-1	m,p-Xylenes	**14**	6.0	0.77	**3.2**	1.4	0.18	
75-25-2	Bromoform	ND	2.8	0.60	ND	0.28	0.058	
100-42-5	Styrene	**0.60**	2.8	0.47	**0.14**	0.67	0.11	**J**
95-47-6	o-Xylene	**4.1**	2.8	0.42	**0.95**	0.66	0.097	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.60	0.41	ND	0.088	0.059	
98-82-8	Cumene	**0.44**	2.8	0.42	**0.089**	0.58	0.086	**J**
622-96-8	4-Ethyltoluene	**1.1**	2.9	0.47	**0.22**	0.59	0.095	**J**
108-67-8	1,3,5-Trimethylbenzene	**15**	2.8	0.42	**3.1**	0.58	0.086	
95-63-6	1,2,4-Trimethylbenzene	**29**	2.8	0.41	**5.8**	0.58	0.083	
100-44-7	Benzyl Chloride	ND	6.0	0.66	ND	1.2	0.13	
541-73-1	1,3-Dichlorobenzene	ND	2.8	0.44	ND	0.47	0.073	
106-46-7	1,4-Dichlorobenzene	ND	2.8	0.45	ND	0.47	0.075	
95-50-1	1,2-Dichlorobenzene	ND	2.9	0.43	ND	0.48	0.072	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.71	ND	0.74	0.096	
91-20-3	Naphthalene	**2.2**	2.8	0.71	**0.42**	0.54	0.14	**J**
87-68-3	Hexachlorobutadiene	ND	2.8	0.60	ND	0.27	0.057	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **WSP USA**
Client Sample ID: **IA-001-NCS**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-010

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02015

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)
0.050 Liter(s)

Initial Pressure (psig): -2.57 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**23**	16	3.9	**13**	9.1	2.3	**D**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.0**	0.80	0.13	**0.40**	0.16	0.026	
74-87-3	Chloromethane	**0.33**	0.32	0.13	**0.16**	0.15	0.062	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	**0.13**	0.81	0.13	**0.019**	0.12	0.018	**J**
75-01-4	Vinyl Chloride	**0.11**	0.17	0.086	**0.043**	0.065	0.033	**J**
106-99-0	1,3-Butadiene	ND	0.32	0.13	ND	0.14	0.060	
74-83-9	Bromomethane	ND	0.32	0.11	ND	0.081	0.029	
75-00-3	Chloroethane	ND	0.32	0.099	ND	0.12	0.038	
67-64-1	Acetone	**690**	160	36	**290**	66	15	**D**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	0.78	0.12	**0.20**	0.14	0.022	
67-63-0	2-Propanol (Isopropyl Alcohol)	**3,900**	30	6.6	**1,600**	12	2.7	**D**
75-35-4	1,1-Dichloroethene	ND	0.17	0.11	ND	0.042	0.028	
75-09-2	Methylene Chloride	**3.1**	0.78	0.23	**0.90**	0.22	0.065	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.53**	0.81	0.11	**0.069**	0.11	0.015	**J**
75-15-0	Carbon Disulfide	**0.42**	1.7	0.24	**0.13**	0.53	0.077	**J**
156-60-5	trans-1,2-Dichloroethene	**1.6**	0.17	0.11	**0.40**	0.042	0.028	
75-34-3	1,1-Dichloroethane	ND	0.17	0.12	ND	0.041	0.029	
1634-04-4	Methyl tert-Butyl Ether	ND	0.80	0.095	ND	0.22	0.026	
108-05-4	Vinyl Acetate	ND	7.5	1.8	ND	2.1	0.51	
78-93-3	2-Butanone (MEK)	**0.51**	1.5	0.17	**0.17**	0.51	0.056	**J**
156-59-2	cis-1,2-Dichloroethene	ND	0.17	0.11	ND	0.042	0.028	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
D = The reported result is from a dilution.

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-NCS** ALS Project ID: P2300194
Client Project ID: **Scobell Chemical / 3616216143.02** ALS Sample ID: P2300194-010

Test Code: EPA TO-15 Date Collected: 1/11/23
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16 Date Received: 1/17/23
Analyst: Wida Ang Date Analyzed: 1/19/23
Sample Type: 6.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes: 0.050 Liter(s)
Container ID: AC02015

Initial Pressure (psig): -2.57 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate J CCV%D	**13**	3.2	0.42	**3.7**	0.87	0.12	**V**
110-54-3	n-Hexane	**0.50**	0.80	0.17	**0.14**	0.23	0.047	**J**
67-66-3	Chloroform	**1.9**	0.17	0.11	**0.39**	0.034	0.022	
109-99-9	Tetrahydrofuran (THF)	ND	1.5	0.10	ND	0.51	0.034	
107-06-2	1,2-Dichloroethane	**0.12**	0.17	0.089	**0.029**	0.041	0.022	**J**
71-55-6	1,1,1-Trichloroethane	ND	0.17	0.099	ND	0.030	0.018	
71-43-2	Benzene	**0.57**	0.17	0.12	**0.18**	0.052	0.036	
56-23-5	Carbon Tetrachloride	**0.86**	0.17	0.11	**0.14**	0.026	0.018	
110-82-7	Cyclohexane	**0.26**	1.7	0.23	**0.075**	0.48	0.065	**J**
78-87-5	1,2-Dichloropropane	ND	0.17	0.099	ND	0.036	0.021	
75-27-4	Bromodichloromethane	**0.17**	0.17	0.12	**0.025**	0.025	0.017	
79-01-6	Trichloroethene	**0.20**	0.17	0.11	**0.036**	0.031	0.020	
123-91-1	1,4-Dioxane	ND	0.78	0.095	ND	0.22	0.026	
142-82-5	n-Heptane	**0.55**	0.80	0.13	**0.13**	0.19	0.031	**J**
10061-01-5	cis-1,3-Dichloropropene	ND	0.80	0.12	ND	0.18	0.027	
108-10-1	4-Methyl-2-pentanone J+ CCV%D, LCSH	**0.23**	1.7	0.11	**0.057**	0.40	0.027	**J, V**
10061-02-6	trans-1,3-Dichloropropene	ND	0.77	0.17	ND	0.17	0.036	
79-00-5	1,1,2-Trichloroethane	ND	0.17	0.081	ND	0.030	0.015	
108-88-3	Toluene	**0.80**	0.78	0.098	**0.21**	0.21	0.026	
591-78-6	2-Hexanone	ND	1.7	0.099	ND	0.40	0.024	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

CCV%D = Continuing calibration verification percent difference outside limits
LCSH = Laboratory control sample recovery high

CLC 2/14/2023

Client: **WSP USA**
Client Sample ID: **IA-001-NCS**
Client Project ID: **Scobell Chemical / 3616216143.02**

ALS Project ID: P2300194
ALS Sample ID: P2300194-010

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Wida Ang
Sample Type: 6.0 L Summa Canister
Test Notes:
Container ID: AC02015

Date Collected: 1/11/23
Date Received: 1/17/23
Date Analyzed: 1/19/23
Volume(s) Analyzed: 1.00 Liter(s)
0.050 Liter(s)

Initial Pressure (psig): -2.57 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.17	0.11	ND	0.019	0.012	
106-93-4	1,2-Dibromoethane	ND	0.17	0.093	ND	0.021	0.012	
127-18-4	Tetrachloroethene	**0.57**	0.17	0.10	**0.085**	0.024	0.015	
108-90-7	Chlorobenzene	ND	0.78	0.11	ND	0.17	0.023	
100-41-4	Ethylbenzene	**0.26**	0.78	0.11	**0.059**	0.18	0.026	**J**
179601-23-1	m,p-Xylenes	**0.86**	1.7	0.21	**0.20**	0.38	0.048	**J**
75-25-2	Bromoform	ND	0.78	0.17	ND	0.075	0.016	
100-42-5	Styrene	**0.29**	0.78	0.13	**0.067**	0.18	0.030	**J**
95-47-6	o-Xylene	**0.32**	0.78	0.12	**0.073**	0.18	0.027	**J**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.17	0.11	ND	0.024	0.016	
98-82-8	Cumene	ND	0.78	0.12	ND	0.16	0.024	
622-96-8	4-Ethyltoluene	ND	0.80	0.13	ND	0.16	0.026	
108-67-8	1,3,5-Trimethylbenzene	ND	0.78	0.12	ND	0.16	0.024	
95-63-6	1,2,4-Trimethylbenzene	**0.12**	0.78	0.11	**0.024**	0.16	0.023	**J**
100-44-7	Benzyl Chloride	ND	1.7	0.18	ND	0.32	0.035	
541-73-1	1,3-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
106-46-7	1,4-Dichlorobenzene	ND	0.78	0.12	ND	0.13	0.020	
95-50-1	1,2-Dichlorobenzene	ND	0.80	0.12	ND	0.13	0.020	
120-82-1	1,2,4-Trichlorobenzene	ND	1.5	0.20	ND	0.20	0.026	
91-20-3	Naphthalene	**0.44**	0.78	0.20	**0.084**	0.15	0.037	**J**
87-68-3	Hexachlorobutadiene	ND	0.78	0.17	ND	0.073	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

CLC 2/14/2023

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

R2300194

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. 127848

Company Name & Address (Reporting Information)
WSP
511 Congress St
Portland, ME 04101

Project Name: Scobell Chemical

Project Number: 36116216143.02

Project Manager: Charles Staples

P.O. # / Billing Information: C012507420

Phone: 207-450-9772 Fax:

Email Address for Result Reporting: charles.staples@wsp.com

Sampler (Print & Sign): Kassidy Patoine KPatoine

ALS Contact:

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15 8hour	TO-15 1hour	Comments e.g. Actual Preservative or specific instructions
IA-001-Tryon-DUP	1	1/11/23	0742	SC02338	SFC00452	-30	-3		✓		
IA-001-Tryon	2	1/11/23	0741	SC00702	SFC00659	-29.5	-0.1		✓		
IA-001-Central	3	1/11/23	0744	AS01727	SFC00667	-29.5	0		✓		
IA-001-Barman	4	1/11/23	07:51	AC01178	SFC00598	-30	-1		✓		
AA-001-a1	5	1/11/23	0739	AS00111	SFC00533	-29	-3		✓		
IA-001-Basement	6	1/11/23	10:27	AS01054	AVG05293	-28	-4			✓	
IA-001-Pont	7	1/11/23	8:49	AC02513	OA01439	-30	-8			✓	
SS-001-Tryon	8	1/11/23	14:24	AC02416	OA00515	-30	-8			✓	
SS-001-Central	9	1/11/23	15:01	AS01740	OA00800	-29	-4			✓	
IA-001-NCS	10	1/11/23	08:07	AC02015 KD 1/11/23	SFC00553	-30	-5		✓		

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) ____
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
K Patoine	1/11/23	12:00			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				1-12-23	1053

Cooler / Blank Temperature ____°C