

From: Braun, Gary <Gary.Braun@aecom.com>
Sent: Tuesday, July 25, 2023 6:00 AM
To: Keller, Ethan J - DNR; info@kinsmanandcompany.com; natelenz@gmail.com
Cc: Chad Erdmann; 'Howard.Law@gfgalliance.com'; Henderson, David; Schacht, Garret
Subject: Former FV Steel & Wire Company Site at 111 N. Douglas St. Hortonville, WI (WDNR BRRTS#: 02-45-560221)
Attachments: Former FVSW Air Monitoring Results_June2023.pdf; 2306725_d_2023-06_Indoor Air Results.pdf; 2306749_d_2023-06_Sub-slab Results.pdf

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Good Morning -

Attached are the June 2023 indoor air and sub-slab vapor monitoring results, along with a sample location map for the above referenced site.

Three indoor air samples were collected in Building E (IA-1), Building D-West (IA-2), and Building D-East (IA-3) in accordance with the sampling plan summarized in my March 16, 2023 email. A single target analyte constituent (Tetrachloroethene) was detected at monitoring point IA-1 in Building E at a concentration 1.0 ug/m³ which was slightly above the reporting limit of 0.99 ug/m³. This detected concentration was less than its Vapor Action Levels (VAL) for indoor air concentrations of 180 ug/m³ as listed in DNR Publication RR-0136. As a result, no immediate actions are deemed necessary to address indoor air quality. The indoor air passive sampling will continue as generally outlined in WDNR's November 16, 2023 presentation. More information will be provided.

The sub-slab sampling results conducted in June 2023 were similar to the previous sampling results conducted in Nov-2022 and Feb-2023. TCE was found to exceed the Vapor Risk Screening Level (VRSL) at six sampling points.

Some variations in concentrations were observed between the colder weather sampling events conducted in Nov. 2022 and Feb. 2023, compared to the warmer weather in June 2023, which would be expected. Expansion of the current sub-slab monitoring program does not appear to be necessary considering TCE VRSL exceedances appear to be delineated in both Buildings D and E. A sub-slab sample location in the Building east of Building D is being considered, but not believed to be necessary.

Please do not hesitate to contact me with any questions.

Regards,
Gary

Gary Braun, P.G.
Project Manager/Senior Hydrogeologist

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7/14/2023

Mr. Gary Braun

AECOM

1555 North RiverCenter Drive

Suite 214

Milwaukee WI 53212

Project Name: Former FV Steel & Wire 6

Project #: 6048891

Workorder #: 2306725

Dear Mr. Gary Braun

The following report includes the data for the above referenced project for sample(s) received on 6/30/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. WMS are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White

Project Manager

WORK ORDER #: 2306725

Work Order Summary

CLIENT:	Mr. Gary Braun AECOM 1555 North RiverCenter Drive Suite 214 Milwaukee, WI 53212	BILL TO:	Accounts Payable Austin AECOM PO Box 203970 Austin, TX 78720
PHONE:	(414)-831-4100	P.O. #	6048891
FAX:	(414)-831-4101	PROJECT #	6048891 Former FV Steel & Wire 6
DATE RECEIVED:	06/30/2023	CONTACT:	Jade White
DATE COMPLETED:	07/14/2023		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	IA-1	Passive S.E. WMS
02A	IA-2	Passive S.E. WMS
03A	IA-3	Passive S.E. WMS
04A	Trip Blank	Passive S.E. WMS
05A	Lab Blank	Passive S.E. WMS
06A	CCV	Passive S.E. WMS
07A	LCS	Passive S.E. WMS
07AA	LCSD	Passive S.E. WMS

CERTIFIED BY: 

 Technical Director

DATE: 07/14/23

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.
 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
WMS Passive SE by Mod EPA TO-17
AECOM
Workorder# 2306725

Four WMS-SE samples were received on June 30, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Please note that 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) can degrade into Trichloroethene (TCE) during storage on the charcoal-based sorbent used in the WMS device. Samples containing 1,1,2,2-PCA may yield reduced concentrations of 1,1,2,2-PCA and elevated concentrations of TCE.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

The Chain of Custody was missing method information. EATL proceeded with the analysis as per the

original contract or verbal agreement.

Analytical Notes

To calculate ug/m³ concentrations in the Lab Blank, a sampling duration of 12920 minutes was applied.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds VOC BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-1

Lab ID#: 2306725-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.050	0.99	0.052	1.0

Client Sample ID: IA-2

Lab ID#: 2306725-02A

No Detections Were Found.

Client Sample ID: IA-3

Lab ID#: 2306725-03A

No Detections Were Found.

Client Sample ID: Trip Blank

Lab ID#: 2306725-04A

No Detections Were Found.



Air Toxics

Client Sample ID: IA-1

Lab ID#: 2306725-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070608sim	Date of Collection: 6/28/23 10:00:00 AM
Dil. Factor:	1.00	Date of Analysis: 7/6/23 09:52 AM
		Date of Extraction: 7/6/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	13	Not Detected	Not Detected
1,1-Dichloroethene	0.20	11	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	1.8	Not Detected	Not Detected
Trichloroethene	0.050	1.5	Not Detected	Not Detected
Tetrachloroethene	0.050	0.99	0.052	1.0

Temperature = 77.0F , duration time = 12900 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130



Air Toxics

Client Sample ID: IA-2

Lab ID#: 2306725-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070609sim	Date of Collection:	6/28/23 10:05:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/6/23 10:19 AM
		Date of Extraction:	7/6/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	13	Not Detected	Not Detected
1,1-Dichloroethene	0.20	11	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	1.8	Not Detected	Not Detected
Trichloroethene	0.050	1.5	Not Detected	Not Detected
Tetrachloroethene	0.050	0.99	Not Detected	Not Detected

Temperature = 77.0F , duration time = 12900 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130



Air Toxics

Client Sample ID: IA-3

Lab ID#: 2306725-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070610sim	Date of Collection:	6/28/23 10:10:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/6/23 10:46 AM
		Date of Extraction:	7/6/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	13	Not Detected	Not Detected
1,1-Dichloroethene	0.20	11	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	1.8	Not Detected	Not Detected
Trichloroethene	0.050	1.5	Not Detected	Not Detected
Tetrachloroethene	0.050	0.99	Not Detected	Not Detected

Temperature = 77.0F , duration time = 12900 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130

Client Sample ID: Trip Blank

Lab ID#: 2306725-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070611sim	Date of Collection:	6/28/23 10:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/6/23 11:13 AM
		Date of Extraction:	7/6/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	13	Not Detected	Not Detected
1,1-Dichloroethene	0.20	11	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	1.8	Not Detected	Not Detected
Trichloroethene	0.050	1.5	Not Detected	Not Detected
Tetrachloroethene	0.050	0.99	Not Detected	Not Detected

Temperature = 77.0F , duration time = 12920 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2306725-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070607sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/6/23 09:11 AM
		Date of Extraction:	7/6/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	13	Not Detected	Not Detected
1,1-Dichloroethene	0.20	11	Not Detected	Not Detected
1,1-Dichloroethane	0.050	2.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	2.0	Not Detected	Not Detected
1,2-Dichloroethane	0.050	1.8	Not Detected	Not Detected
Trichloroethene	0.050	1.5	Not Detected	Not Detected
Tetrachloroethene	0.050	0.99	Not Detected	Not Detected

Temperature = 77.0F , duration time = 12920 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	89	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 2306725-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070603sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/6/23 07:22 AM
		Date of Extraction: NA

Compound	%Recovery
Vinyl Chloride	80
1,1-Dichloroethene	92
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	95
1,2-Dichloroethane	96
Trichloroethene	96
Tetrachloroethene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130

Client Sample ID: LCS

Lab ID#: 2306725-07A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070604sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/6/23 07:49 AM
		Date of Extraction: 7/6/23

Compound	%Recovery	Method Limits
Vinyl Chloride	88	50-140
1,1-Dichloroethene	82	70-130
1,1-Dichloroethane	84	70-130
cis-1,2-Dichloroethene	82	70-130
1,2-Dichloroethane	82	70-130
Trichloroethene	89	70-130
Tetrachloroethene	86	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130

Client Sample ID: LCSD

Lab ID#: 2306725-07AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	18070606sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/6/23 08:44 AM
		Date of Extraction:	7/6/23

Compound	%Recovery	Method Limits
Vinyl Chloride	73	50-140
1,1-Dichloroethene	76	70-130
1,1-Dichloroethane	79	70-130
cis-1,2-Dichloroethene	78	70-130
1,2-Dichloroethane	80	70-130
Trichloroethene	89	70-130
Tetrachloroethene	87	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

7/21/2023

Mr. Gary Braun

AECOM

1555 North RiverCenter Drive

Suite 214

Milwaukee WI 53212

Project Name: FV Steel and Wire Co.

Project #: 6048891

Workorder #: 2306749

Dear Mr. Gary Braun

The following report includes the data for the above referenced project for sample(s) received on 6/30/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White

Project Manager

WORK ORDER #: 2306749

Work Order Summary

CLIENT:	Mr. Gary Braun AECOM 1555 North RiverCenter Drive Suite 214 Milwaukee, WI 53212	BILL TO:	Accounts Payable Austin AECOM PO Box 203970 Austin, TX 78720
PHONE:	(414)-831-4100	P.O. #	6048891
FAX:	(414)-831-4101	PROJECT #	6048891 FV Steel and Wire Co.
DATE RECEIVED:	06/30/2023	CONTACT:	Jade White
DATE COMPLETED:	07/21/2023		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SS-1	TO-15	6.1 "Hg	10 psi
02A	SS-2	TO-15	4.7 "Hg	9.8 psi
03A	SS-3	TO-15	6.1 "Hg	10 psi
04A	SS-4	TO-15	5.3 "Hg	9.9 psi
05A	SS-5	TO-15	6.3 "Hg	10 psi
06A	SS-6	TO-15	6.5 "Hg	10 psi
07A	SS-7	TO-15	8.6 "Hg	9.9 psi
08A	SS-8	TO-15	5.7 "Hg	10 psi
09A	SS-9	TO-15	6.3 "Hg	9.9 psi
10A	SS-10	TO-15	5.5 "Hg	9.7 psi
11A	SS-11	TO-15	6.5 "Hg	9.9 psi
12A	SS-12	TO-15	5.5 "Hg	10 psi
13A	Lab Blank	TO-15	NA	NA
13B	Lab Blank	TO-15	NA	NA
14A	CCV	TO-15	NA	NA
14B	CCV	TO-15	NA	NA
15A	LCS	TO-15	NA	NA
15AA	LCS	TO-15	NA	NA
15B	LCS	TO-15	NA	NA
15BB	LCS	TO-15	NA	NA

CERTIFIED BY: 

 Technical Director

DATE: 07/21/23

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
AECOM
Workorder# 2306749

Twelve 1 Liter Summa Canister samples were received on June 30, 2023. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Dilution was performed on samples SS-1, SS-2, SS-3, SS-4, SS-5, SS-6, SS-7, SS-8 and SS-11 due to the presence of high level target species.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-1

Lab ID#: 2306749-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.0	16	30	82
cis-1,2-Dichloroethene	6.0	14	24	55
1,1,1-Trichloroethane	6.0	430	33	2400
Trichloroethene	6.0	1400	32	7600
Tetrachloroethene	6.0	47	41	320

Client Sample ID: SS-2

Lab ID#: 2306749-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	10	6.5	50
Ethanol	13	18	25	34
Acetone	13	18	31	42
Chloroform	1.3	3.1	6.4	15
1,1,1-Trichloroethane	1.3	300	7.2	1600
Trichloroethene	1.3	300	7.1	1600
Tetrachloroethene	1.3	25	9.0	170

Client Sample ID: SS-3

Lab ID#: 2306749-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.1	2.5	10	13
1,1-Dichloroethene	2.1	4.8	8.4	19
1,1,1-Trichloroethane	2.1	480	12	2600
Trichloroethene	2.1	40	11	220
Tetrachloroethene	2.1	38	14	260

Client Sample ID: SS-4

Lab ID#: 2306749-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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**Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SS-4

Lab ID#: 2306749-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.2	45	40	220
Chloroform	8.2	18	40	89
1,1,1-Trichloroethane	8.2	390	44	2200
Trichloroethene	8.2	2000	44	10000
Tetrachloroethene	8.2	35	55	240

Client Sample ID: SS-5

Lab ID#: 2306749-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	41	53	200
1,1,1-Trichloroethane	11	600	58	3300
Trichloroethene	11	2400	57	13000
Tetrachloroethene	11	28	72	190

Client Sample ID: SS-6

Lab ID#: 2306749-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	2.7	4.1	11	16
1,1,1-Trichloroethane	2.7	450	15	2400
Trichloroethene	2.7	38	14	210
Tetrachloroethene	2.7	35	18	240

Client Sample ID: SS-7

Lab ID#: 2306749-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	4.7	470	23	2300
Ethanol	47	94	88	180
1,1,1-Trichloroethane	4.7	660	26	3600
Trichloroethene	4.7	1100	25	5700

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-7

Lab ID#: 2306749-07A

Tetrachloroethene	4.7	19	32	130
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Client Sample ID: SS-8

Lab ID#: 2306749-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	21	6900	100	34000
1,1,1-Trichloroethane	21	170	110	950

Client Sample ID: SS-9

Lab ID#: 2306749-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	11	98	20	180
Acetone	11	12	25	30
1,1-Dichloroethane	1.1	19	4.3	77
1,1,1-Trichloroethane	1.1	190	5.8	1100
Trichloroethene	1.1	140	5.7	740
Tetrachloroethene	1.1	84	7.2	570

Client Sample ID: SS-10

Lab ID#: 2306749-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	10	100	19	190
Acetone	10	46	24	110
2-Propanol	4.1	4.3	10	11
Hexane	1.0	1.1	3.6	4.0
1,1-Dichloroethane	1.0	7.9	4.1	32
1,1,1-Trichloroethane	1.0	32	5.5	180
Cyclohexane	1.0	1.4	3.5	4.7
Trichloroethene	1.0	33	5.4	180
Tetrachloroethene	1.0	6.9	6.9	47

**Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: SS-11

Lab ID#: 2306749-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	21	100	40	190
1,1,1-Trichloroethane	2.1	530	12	2900
Trichloroethene	2.1	490	11	2600
Tetrachloroethene	2.1	30	14	200

Client Sample ID: SS-12

Lab ID#: 2306749-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	10	110	19	210
Acetone	10	12	24	28
2-Propanol	4.1	6.7	10	16
1,1,1-Trichloroethane	1.0	15	5.6	82
Trichloroethene	1.0	5.1	5.5	28
Tetrachloroethene	1.0	1.4	7.0	9.5



Air Toxics

Client Sample ID: SS-1

Lab ID#: 2306749-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071313	Date of Collection:	6/28/23 11:22:00 AM
Dil. Factor:	12.0	Date of Analysis:	7/13/23 06:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	6.0	16	30	82
Freon 114	6.0	Not Detected	42	Not Detected
Chloromethane	60	Not Detected	120	Not Detected
Vinyl Chloride	6.0	Not Detected	15	Not Detected
1,3-Butadiene	6.0	Not Detected	13	Not Detected
Bromomethane	60	Not Detected	230	Not Detected
Chloroethane	24	Not Detected	63	Not Detected
Freon 11	6.0	Not Detected	34	Not Detected
Ethanol	60	Not Detected	110	Not Detected
Freon 113	6.0	Not Detected	46	Not Detected
1,1-Dichloroethene	6.0	Not Detected	24	Not Detected
Acetone	60	Not Detected	140	Not Detected
2-Propanol	24	Not Detected	59	Not Detected
Carbon Disulfide	24	Not Detected	75	Not Detected
Methylene Chloride	60	Not Detected	210	Not Detected
Methyl tert-butyl ether	24	Not Detected	86	Not Detected
trans-1,2-Dichloroethene	6.0	Not Detected	24	Not Detected
Hexane	6.0	Not Detected	21	Not Detected
1,1-Dichloroethane	6.0	Not Detected	24	Not Detected
2-Butanone (Methyl Ethyl Ketone)	24	Not Detected	71	Not Detected
cis-1,2-Dichloroethene	6.0	14	24	55
Tetrahydrofuran	6.0	Not Detected	18	Not Detected
Chloroform	6.0	Not Detected	29	Not Detected
1,1,1-Trichloroethane	6.0	430	33	2400
Cyclohexane	6.0	Not Detected	21	Not Detected
Carbon Tetrachloride	6.0	Not Detected	38	Not Detected
Benzene	6.0	Not Detected	19	Not Detected
1,2-Dichloroethane	6.0	Not Detected	24	Not Detected
Heptane	6.0	Not Detected	24	Not Detected
Trichloroethene	6.0	1400	32	7600
1,2-Dichloropropane	6.0	Not Detected	28	Not Detected
Bromodichloromethane	6.0	Not Detected	40	Not Detected
cis-1,3-Dichloropropene	6.0	Not Detected	27	Not Detected
4-Methyl-2-pentanone	6.0	Not Detected	24	Not Detected
Toluene	12	Not Detected	45	Not Detected
trans-1,3-Dichloropropene	6.0	Not Detected	27	Not Detected
1,1,2-Trichloroethane	6.0	Not Detected	33	Not Detected
Tetrachloroethene	6.0	47	41	320
2-Hexanone	24	Not Detected	98	Not Detected
Dibromochloromethane	6.0	Not Detected	51	Not Detected
1,2-Dibromoethane (EDB)	6.0	Not Detected	46	Not Detected
Chlorobenzene	6.0	Not Detected	28	Not Detected

Client Sample ID: SS-1

Lab ID#: 2306749-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071313	Date of Collection:	6/28/23 11:22:00 AM
Dil. Factor:	12.0	Date of Analysis:	7/13/23 06:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	6.0	Not Detected	26	Not Detected
m,p-Xylene	12	Not Detected	52	Not Detected
o-Xylene	6.0	Not Detected	26	Not Detected
Styrene	6.0	Not Detected	26	Not Detected
Bromoform	6.0	Not Detected	62	Not Detected
Cumene	6.0	Not Detected	29	Not Detected
1,1,2,2-Tetrachloroethane	6.0	Not Detected	41	Not Detected
4-Ethyltoluene	6.0	Not Detected	29	Not Detected
1,3,5-Trimethylbenzene	6.0	Not Detected	29	Not Detected
1,2,4-Trimethylbenzene	6.0	Not Detected	29	Not Detected
1,3-Dichlorobenzene	6.0	Not Detected	36	Not Detected
1,4-Dichlorobenzene	6.0	Not Detected	36	Not Detected
1,2-Dichlorobenzene	6.0	Not Detected	36	Not Detected
1,2,4-Trichlorobenzene	24	Not Detected	180	Not Detected
Hexachlorobutadiene	24	Not Detected	260	Not Detected
Naphthalene	12	Not Detected	63	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: SS-2

Lab ID#: 2306749-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071310	Date of Collection:	6/28/23 11:53:00 AM
Dil. Factor:	2.64	Date of Analysis:	7/13/23 04:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	10	6.5	50
Freon 114	1.3	Not Detected	9.2	Not Detected
Chloromethane	13	Not Detected	27	Not Detected
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Bromomethane	13	Not Detected	51	Not Detected
Chloroethane	5.3	Not Detected	14	Not Detected
Freon 11	1.3	Not Detected	7.4	Not Detected
Ethanol	13	18	25	34
Freon 113	1.3	Not Detected	10	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Acetone	13	18	31	42
2-Propanol	5.3	Not Detected	13	Not Detected
Carbon Disulfide	5.3	Not Detected	16	Not Detected
Methylene Chloride	13	Not Detected	46	Not Detected
Methyl tert-butyl ether	5.3	Not Detected	19	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Hexane	1.3	Not Detected	4.6	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.3	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.9	Not Detected
Chloroform	1.3	3.1	6.4	15
1,1,1-Trichloroethane	1.3	300	7.2	1600
Cyclohexane	1.3	Not Detected	4.5	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.3	Not Detected
Benzene	1.3	Not Detected	4.2	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.3	Not Detected
Heptane	1.3	Not Detected	5.4	Not Detected
Trichloroethene	1.3	300	7.1	1600
1,2-Dichloropropane	1.3	Not Detected	6.1	Not Detected
Bromodichloromethane	1.3	Not Detected	8.8	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.4	Not Detected
Toluene	2.6	Not Detected	9.9	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Tetrachloroethene	1.3	25	9.0	170
2-Hexanone	5.3	Not Detected	22	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.1	Not Detected

Client Sample ID: SS-2

Lab ID#: 2306749-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071310	Date of Collection:	6/28/23 11:53:00 AM
Dil. Factor:	2.64	Date of Analysis:	7/13/23 04:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1.3	Not Detected	5.7	Not Detected
m,p-Xylene	2.6	Not Detected	11	Not Detected
o-Xylene	1.3	Not Detected	5.7	Not Detected
Styrene	1.3	Not Detected	5.6	Not Detected
Bromoform	1.3	Not Detected	14	Not Detected
Cumene	1.3	Not Detected	6.5	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.1	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.5	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	5.3	Not Detected	39	Not Detected
Hexachlorobutadiene	5.3	Not Detected	56	Not Detected
Naphthalene	2.6	Not Detected	14	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: SS-3

Lab ID#: 2306749-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071318	Date of Collection:	6/28/23 12:13:00 PM
Dil. Factor:	4.22	Date of Analysis:	7/13/23 11:50 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.1	2.5	10	13
Freon 114	2.1	Not Detected	15	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Vinyl Chloride	2.1	Not Detected	5.4	Not Detected
1,3-Butadiene	2.1	Not Detected	4.7	Not Detected
Bromomethane	21	Not Detected	82	Not Detected
Chloroethane	8.4	Not Detected	22	Not Detected
Freon 11	2.1	Not Detected	12	Not Detected
Ethanol	21	Not Detected	40	Not Detected
Freon 113	2.1	Not Detected	16	Not Detected
1,1-Dichloroethene	2.1	4.8	8.4	19
Acetone	21	Not Detected	50	Not Detected
2-Propanol	8.4	Not Detected	21	Not Detected
Carbon Disulfide	8.4	Not Detected	26	Not Detected
Methylene Chloride	21	Not Detected	73	Not Detected
Methyl tert-butyl ether	8.4	Not Detected	30	Not Detected
trans-1,2-Dichloroethene	2.1	Not Detected	8.4	Not Detected
Hexane	2.1	Not Detected	7.4	Not Detected
1,1-Dichloroethane	2.1	Not Detected	8.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	8.4	Not Detected	25	Not Detected
cis-1,2-Dichloroethene	2.1	Not Detected	8.4	Not Detected
Tetrahydrofuran	2.1	Not Detected	6.2	Not Detected
Chloroform	2.1	Not Detected	10	Not Detected
1,1,1-Trichloroethane	2.1	480	12	2600
Cyclohexane	2.1	Not Detected	7.3	Not Detected
Carbon Tetrachloride	2.1	Not Detected	13	Not Detected
Benzene	2.1	Not Detected	6.7	Not Detected
1,2-Dichloroethane	2.1	Not Detected	8.5	Not Detected
Heptane	2.1	Not Detected	8.6	Not Detected
Trichloroethene	2.1	40	11	220
1,2-Dichloropropane	2.1	Not Detected	9.8	Not Detected
Bromodichloromethane	2.1	Not Detected	14	Not Detected
cis-1,3-Dichloropropene	2.1	Not Detected	9.6	Not Detected
4-Methyl-2-pentanone	2.1	Not Detected	8.6	Not Detected
Toluene	4.2	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	2.1	Not Detected	9.6	Not Detected
1,1,2-Trichloroethane	2.1	Not Detected	12	Not Detected
Tetrachloroethene	2.1	38	14	260
2-Hexanone	8.4	Not Detected	34	Not Detected
Dibromochloromethane	2.1	Not Detected	18	Not Detected
1,2-Dibromoethane (EDB)	2.1	Not Detected	16	Not Detected
Chlorobenzene	2.1	Not Detected	9.7	Not Detected



Air Toxics

Client Sample ID: SS-3

Lab ID#: 2306749-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071318	Date of Collection:	6/28/23 12:13:00 PM
Dil. Factor:	4.22	Date of Analysis:	7/13/23 11:50 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	2.1	Not Detected	9.2	Not Detected
m,p-Xylene	4.2	Not Detected	18	Not Detected
o-Xylene	2.1	Not Detected	9.2	Not Detected
Styrene	2.1	Not Detected	9.0	Not Detected
Bromoform	2.1	Not Detected	22	Not Detected
Cumene	2.1	Not Detected	10	Not Detected
1,1,2,2-Tetrachloroethane	2.1	Not Detected	14	Not Detected
4-Ethyltoluene	2.1	Not Detected	10	Not Detected
1,3,5-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,2,4-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,3-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,4-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,2-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,2,4-Trichlorobenzene	8.4	Not Detected	63	Not Detected
Hexachlorobutadiene	8.4	Not Detected	90	Not Detected
Naphthalene	4.2	Not Detected	22	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: SS-4

Lab ID#: 2306749-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071314	Date of Collection:	6/28/23 11:01:00 AM
Dil. Factor:	16.3	Date of Analysis:	7/13/23 06:35 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.2	45	40	220
Freon 114	8.2	Not Detected	57	Not Detected
Chloromethane	82	Not Detected	170	Not Detected
Vinyl Chloride	8.2	Not Detected	21	Not Detected
1,3-Butadiene	8.2	Not Detected	18	Not Detected
Bromomethane	82	Not Detected	320	Not Detected
Chloroethane	33	Not Detected	86	Not Detected
Freon 11	8.2	Not Detected	46	Not Detected
Ethanol	82	Not Detected	150	Not Detected
Freon 113	8.2	Not Detected	62	Not Detected
1,1-Dichloroethene	8.2	Not Detected	32	Not Detected
Acetone	82	Not Detected	190	Not Detected
2-Propanol	33	Not Detected	80	Not Detected
Carbon Disulfide	33	Not Detected	100	Not Detected
Methylene Chloride	82	Not Detected	280	Not Detected
Methyl tert-butyl ether	33	Not Detected	120	Not Detected
trans-1,2-Dichloroethene	8.2	Not Detected	32	Not Detected
Hexane	8.2	Not Detected	29	Not Detected
1,1-Dichloroethane	8.2	Not Detected	33	Not Detected
2-Butanone (Methyl Ethyl Ketone)	33	Not Detected	96	Not Detected
cis-1,2-Dichloroethene	8.2	Not Detected	32	Not Detected
Tetrahydrofuran	8.2	Not Detected	24	Not Detected
Chloroform	8.2	18	40	89
1,1,1-Trichloroethane	8.2	390	44	2200
Cyclohexane	8.2	Not Detected	28	Not Detected
Carbon Tetrachloride	8.2	Not Detected	51	Not Detected
Benzene	8.2	Not Detected	26	Not Detected
1,2-Dichloroethane	8.2	Not Detected	33	Not Detected
Heptane	8.2	Not Detected	33	Not Detected
Trichloroethene	8.2	2000	44	10000
1,2-Dichloropropane	8.2	Not Detected	38	Not Detected
Bromodichloromethane	8.2	Not Detected	55	Not Detected
cis-1,3-Dichloropropene	8.2	Not Detected	37	Not Detected
4-Methyl-2-pentanone	8.2	Not Detected	33	Not Detected
Toluene	16	Not Detected	61	Not Detected
trans-1,3-Dichloropropene	8.2	Not Detected	37	Not Detected
1,1,2-Trichloroethane	8.2	Not Detected	44	Not Detected
Tetrachloroethene	8.2	35	55	240
2-Hexanone	33	Not Detected	130	Not Detected
Dibromochloromethane	8.2	Not Detected	69	Not Detected
1,2-Dibromoethane (EDB)	8.2	Not Detected	63	Not Detected
Chlorobenzene	8.2	Not Detected	38	Not Detected

Client Sample ID: SS-4

Lab ID#: 2306749-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071314	Date of Collection:	6/28/23 11:01:00 AM
Dil. Factor:	16.3	Date of Analysis:	7/13/23 06:35 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	8.2	Not Detected	35	Not Detected
m,p-Xylene	16	Not Detected	71	Not Detected
o-Xylene	8.2	Not Detected	35	Not Detected
Styrene	8.2	Not Detected	35	Not Detected
Bromoform	8.2	Not Detected	84	Not Detected
Cumene	8.2	Not Detected	40	Not Detected
1,1,2,2-Tetrachloroethane	8.2	Not Detected	56	Not Detected
4-Ethyltoluene	8.2	Not Detected	40	Not Detected
1,3,5-Trimethylbenzene	8.2	Not Detected	40	Not Detected
1,2,4-Trimethylbenzene	8.2	Not Detected	40	Not Detected
1,3-Dichlorobenzene	8.2	Not Detected	49	Not Detected
1,4-Dichlorobenzene	8.2	Not Detected	49	Not Detected
1,2-Dichlorobenzene	8.2	Not Detected	49	Not Detected
1,2,4-Trichlorobenzene	33	Not Detected	240	Not Detected
Hexachlorobutadiene	33	Not Detected	350	Not Detected
Naphthalene	16	Not Detected	85	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	91	70-130



Air Toxics

Client Sample ID: SS-5

Lab ID#: 2306749-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071319	Date of Collection:	6/28/23 10:30:00 AM
Dil. Factor:	21.3	Date of Analysis:	7/14/23 12:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	41	53	200
Freon 114	11	Not Detected	74	Not Detected
Chloromethane	110	Not Detected	220	Not Detected
Vinyl Chloride	11	Not Detected	27	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	110	Not Detected	410	Not Detected
Chloroethane	43	Not Detected	110	Not Detected
Freon 11	11	Not Detected	60	Not Detected
Ethanol	110	Not Detected	200	Not Detected
Freon 113	11	Not Detected	82	Not Detected
1,1-Dichloroethene	11	Not Detected	42	Not Detected
Acetone	110	Not Detected	250	Not Detected
2-Propanol	43	Not Detected	100	Not Detected
Carbon Disulfide	43	Not Detected	130	Not Detected
Methylene Chloride	110	Not Detected	370	Not Detected
Methyl tert-butyl ether	43	Not Detected	150	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	42	Not Detected
Hexane	11	Not Detected	38	Not Detected
1,1-Dichloroethane	11	Not Detected	43	Not Detected
2-Butanone (Methyl Ethyl Ketone)	43	Not Detected	120	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	42	Not Detected
Tetrahydrofuran	11	Not Detected	31	Not Detected
Chloroform	11	Not Detected	52	Not Detected
1,1,1-Trichloroethane	11	600	58	3300
Cyclohexane	11	Not Detected	37	Not Detected
Carbon Tetrachloride	11	Not Detected	67	Not Detected
Benzene	11	Not Detected	34	Not Detected
1,2-Dichloroethane	11	Not Detected	43	Not Detected
Heptane	11	Not Detected	44	Not Detected
Trichloroethene	11	2400	57	13000
1,2-Dichloropropane	11	Not Detected	49	Not Detected
Bromodichloromethane	11	Not Detected	71	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	48	Not Detected
4-Methyl-2-pentanone	11	Not Detected	44	Not Detected
Toluene	21	Not Detected	80	Not Detected
trans-1,3-Dichloropropene	11	Not Detected	48	Not Detected
1,1,2-Trichloroethane	11	Not Detected	58	Not Detected
Tetrachloroethene	11	28	72	190
2-Hexanone	43	Not Detected	170	Not Detected
Dibromochloromethane	11	Not Detected	91	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	82	Not Detected
Chlorobenzene	11	Not Detected	49	Not Detected

Client Sample ID: SS-5

Lab ID#: 2306749-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071319	Date of Collection:	6/28/23 10:30:00 AM
Dil. Factor:	21.3	Date of Analysis:	7/14/23 12:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	11	Not Detected	46	Not Detected
m,p-Xylene	21	Not Detected	92	Not Detected
o-Xylene	11	Not Detected	46	Not Detected
Styrene	11	Not Detected	45	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	52	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	73	Not Detected
4-Ethyltoluene	11	Not Detected	52	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	52	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	52	Not Detected
1,3-Dichlorobenzene	11	Not Detected	64	Not Detected
1,4-Dichlorobenzene	11	Not Detected	64	Not Detected
1,2-Dichlorobenzene	11	Not Detected	64	Not Detected
1,2,4-Trichlorobenzene	43	Not Detected	320	Not Detected
Hexachlorobutadiene	43	Not Detected	450	Not Detected
Naphthalene	21	Not Detected	110	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: SS-6

Lab ID#: 2306749-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071320	Date of Collection:	6/28/23 10:45:00 AM
Dil. Factor:	5.36	Date of Analysis:	7/14/23 12:48 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.7	Not Detected	13	Not Detected
Freon 114	2.7	Not Detected	19	Not Detected
Chloromethane	27	Not Detected	55	Not Detected
Vinyl Chloride	2.7	Not Detected	6.8	Not Detected
1,3-Butadiene	2.7	Not Detected	5.9	Not Detected
Bromomethane	27	Not Detected	100	Not Detected
Chloroethane	11	Not Detected	28	Not Detected
Freon 11	2.7	Not Detected	15	Not Detected
Ethanol	27	Not Detected	50	Not Detected
Freon 113	2.7	Not Detected	20	Not Detected
1,1-Dichloroethene	2.7	4.1	11	16
Acetone	27	Not Detected	64	Not Detected
2-Propanol	11	Not Detected	26	Not Detected
Carbon Disulfide	11	Not Detected	33	Not Detected
Methylene Chloride	27	Not Detected	93	Not Detected
Methyl tert-butyl ether	11	Not Detected	39	Not Detected
trans-1,2-Dichloroethene	2.7	Not Detected	11	Not Detected
Hexane	2.7	Not Detected	9.4	Not Detected
1,1-Dichloroethane	2.7	Not Detected	11	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	32	Not Detected
cis-1,2-Dichloroethene	2.7	Not Detected	11	Not Detected
Tetrahydrofuran	2.7	Not Detected	7.9	Not Detected
Chloroform	2.7	Not Detected	13	Not Detected
1,1,1-Trichloroethane	2.7	450	15	2400
Cyclohexane	2.7	Not Detected	9.2	Not Detected
Carbon Tetrachloride	2.7	Not Detected	17	Not Detected
Benzene	2.7	Not Detected	8.6	Not Detected
1,2-Dichloroethane	2.7	Not Detected	11	Not Detected
Heptane	2.7	Not Detected	11	Not Detected
Trichloroethene	2.7	38	14	210
1,2-Dichloropropane	2.7	Not Detected	12	Not Detected
Bromodichloromethane	2.7	Not Detected	18	Not Detected
cis-1,3-Dichloropropene	2.7	Not Detected	12	Not Detected
4-Methyl-2-pentanone	2.7	Not Detected	11	Not Detected
Toluene	5.4	Not Detected	20	Not Detected
trans-1,3-Dichloropropene	2.7	Not Detected	12	Not Detected
1,1,2-Trichloroethane	2.7	Not Detected	15	Not Detected
Tetrachloroethene	2.7	35	18	240
2-Hexanone	11	Not Detected	44	Not Detected
Dibromochloromethane	2.7	Not Detected	23	Not Detected
1,2-Dibromoethane (EDB)	2.7	Not Detected	20	Not Detected
Chlorobenzene	2.7	Not Detected	12	Not Detected



Air Toxics

Client Sample ID: SS-6

Lab ID#: 2306749-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071320	Date of Collection: 6/28/23 10:45:00 AM
Dil. Factor:	5.36	Date of Analysis: 7/14/23 12:48 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	2.7	Not Detected	12	Not Detected
m,p-Xylene	5.4	Not Detected	23	Not Detected
o-Xylene	2.7	Not Detected	12	Not Detected
Styrene	2.7	Not Detected	11	Not Detected
Bromoform	2.7	Not Detected	28	Not Detected
Cumene	2.7	Not Detected	13	Not Detected
1,1,2,2-Tetrachloroethane	2.7	Not Detected	18	Not Detected
4-Ethyltoluene	2.7	Not Detected	13	Not Detected
1,3,5-Trimethylbenzene	2.7	Not Detected	13	Not Detected
1,2,4-Trimethylbenzene	2.7	Not Detected	13	Not Detected
1,3-Dichlorobenzene	2.7	Not Detected	16	Not Detected
1,4-Dichlorobenzene	2.7	Not Detected	16	Not Detected
1,2-Dichlorobenzene	2.7	Not Detected	16	Not Detected
1,2,4-Trichlorobenzene	11	Not Detected	80	Not Detected
Hexachlorobutadiene	11	Not Detected	110	Not Detected
Naphthalene	5.4	Not Detected	28	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: SS-7

Lab ID#: 2306749-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071312	Date of Collection:	6/28/23 2:07:00 PM
Dil. Factor:	9.38	Date of Analysis:	7/13/23 05:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	4.7	470	23	2300
Freon 114	4.7	Not Detected	33	Not Detected
Chloromethane	47	Not Detected	97	Not Detected
Vinyl Chloride	4.7	Not Detected	12	Not Detected
1,3-Butadiene	4.7	Not Detected	10	Not Detected
Bromomethane	47	Not Detected	180	Not Detected
Chloroethane	19	Not Detected	50	Not Detected
Freon 11	4.7	Not Detected	26	Not Detected
Ethanol	47	94	88	180
Freon 113	4.7	Not Detected	36	Not Detected
1,1-Dichloroethene	4.7	Not Detected	18	Not Detected
Acetone	47	Not Detected	110	Not Detected
2-Propanol	19	Not Detected	46	Not Detected
Carbon Disulfide	19	Not Detected	58	Not Detected
Methylene Chloride	47	Not Detected	160	Not Detected
Methyl tert-butyl ether	19	Not Detected	68	Not Detected
trans-1,2-Dichloroethene	4.7	Not Detected	18	Not Detected
Hexane	4.7	Not Detected	16	Not Detected
1,1-Dichloroethane	4.7	Not Detected	19	Not Detected
2-Butanone (Methyl Ethyl Ketone)	19	Not Detected	55	Not Detected
cis-1,2-Dichloroethene	4.7	Not Detected	18	Not Detected
Tetrahydrofuran	4.7	Not Detected	14	Not Detected
Chloroform	4.7	Not Detected	23	Not Detected
1,1,1-Trichloroethane	4.7	660	26	3600
Cyclohexane	4.7	Not Detected	16	Not Detected
Carbon Tetrachloride	4.7	Not Detected	30	Not Detected
Benzene	4.7	Not Detected	15	Not Detected
1,2-Dichloroethane	4.7	Not Detected	19	Not Detected
Heptane	4.7	Not Detected	19	Not Detected
Trichloroethene	4.7	1100	25	5700
1,2-Dichloropropane	4.7	Not Detected	22	Not Detected
Bromodichloromethane	4.7	Not Detected	31	Not Detected
cis-1,3-Dichloropropene	4.7	Not Detected	21	Not Detected
4-Methyl-2-pentanone	4.7	Not Detected	19	Not Detected
Toluene	9.4	Not Detected	35	Not Detected
trans-1,3-Dichloropropene	4.7	Not Detected	21	Not Detected
1,1,2-Trichloroethane	4.7	Not Detected	26	Not Detected
Tetrachloroethene	4.7	19	32	130
2-Hexanone	19	Not Detected	77	Not Detected
Dibromochloromethane	4.7	Not Detected	40	Not Detected
1,2-Dibromoethane (EDB)	4.7	Not Detected	36	Not Detected
Chlorobenzene	4.7	Not Detected	22	Not Detected

Client Sample ID: SS-7

Lab ID#: 2306749-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071312	Date of Collection:	6/28/23 2:07:00 PM
Dil. Factor:	9.38	Date of Analysis:	7/13/23 05:38 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	4.7	Not Detected	20	Not Detected
m,p-Xylene	9.4	Not Detected	41	Not Detected
o-Xylene	4.7	Not Detected	20	Not Detected
Styrene	4.7	Not Detected	20	Not Detected
Bromoform	4.7	Not Detected	48	Not Detected
Cumene	4.7	Not Detected	23	Not Detected
1,1,2,2-Tetrachloroethane	4.7	Not Detected	32	Not Detected
4-Ethyltoluene	4.7	Not Detected	23	Not Detected
1,3,5-Trimethylbenzene	4.7	Not Detected	23	Not Detected
1,2,4-Trimethylbenzene	4.7	Not Detected	23	Not Detected
1,3-Dichlorobenzene	4.7	Not Detected	28	Not Detected
1,4-Dichlorobenzene	4.7	Not Detected	28	Not Detected
1,2-Dichlorobenzene	4.7	Not Detected	28	Not Detected
1,2,4-Trichlorobenzene	19	Not Detected	140	Not Detected
Hexachlorobutadiene	19	Not Detected	200	Not Detected
Naphthalene	9.4	Not Detected	49	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SS-8

Lab ID#: 2306749-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071829	Date of Collection:	6/28/23 2:33:00 PM
Dil. Factor:	41.5	Date of Analysis:	7/19/23 05:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	21	6900	100	34000
Freon 114	21	Not Detected	140	Not Detected
Chloromethane	210	Not Detected	430	Not Detected
Vinyl Chloride	21	Not Detected	53	Not Detected
1,3-Butadiene	21	Not Detected	46	Not Detected
Bromomethane	210	Not Detected	800	Not Detected
Chloroethane	83	Not Detected	220	Not Detected
Freon 11	21	Not Detected	120	Not Detected
Ethanol	210	Not Detected	390	Not Detected
Freon 113	21	Not Detected	160	Not Detected
1,1-Dichloroethene	21	Not Detected	82	Not Detected
Acetone	210	Not Detected	490	Not Detected
2-Propanol	83	Not Detected	200	Not Detected
Carbon Disulfide	83	Not Detected	260	Not Detected
Methylene Chloride	210	Not Detected	720	Not Detected
Methyl tert-butyl ether	83	Not Detected	300	Not Detected
trans-1,2-Dichloroethene	21	Not Detected	82	Not Detected
Hexane	21	Not Detected	73	Not Detected
1,1-Dichloroethane	21	Not Detected	84	Not Detected
2-Butanone (Methyl Ethyl Ketone)	83	Not Detected	240	Not Detected
cis-1,2-Dichloroethene	21	Not Detected	82	Not Detected
Tetrahydrofuran	21	Not Detected	61	Not Detected
Chloroform	21	Not Detected	100	Not Detected
1,1,1-Trichloroethane	21	170	110	950
Cyclohexane	21	Not Detected	71	Not Detected
Carbon Tetrachloride	21	Not Detected	130	Not Detected
Benzene	21	Not Detected	66	Not Detected
1,2-Dichloroethane	21	Not Detected	84	Not Detected
Heptane	21	Not Detected	85	Not Detected
Trichloroethene	21	Not Detected	110	Not Detected
1,2-Dichloropropane	21	Not Detected	96	Not Detected
Bromodichloromethane	21	Not Detected	140	Not Detected
cis-1,3-Dichloropropene	21	Not Detected	94	Not Detected
4-Methyl-2-pentanone	21	Not Detected	85	Not Detected
Toluene	42	Not Detected	160	Not Detected
trans-1,3-Dichloropropene	21	Not Detected	94	Not Detected
1,1,2-Trichloroethane	21	Not Detected	110	Not Detected
Tetrachloroethene	21	Not Detected	140	Not Detected
2-Hexanone	83	Not Detected	340	Not Detected
Dibromochloromethane	21	Not Detected	180	Not Detected
1,2-Dibromoethane (EDB)	21	Not Detected	160	Not Detected
Chlorobenzene	21	Not Detected	96	Not Detected

Client Sample ID: SS-8

Lab ID#: 2306749-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071829	Date of Collection:	6/28/23 2:33:00 PM
Dil. Factor:	41.5	Date of Analysis:	7/19/23 05:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	21	Not Detected	90	Not Detected
m,p-Xylene	42	Not Detected	180	Not Detected
o-Xylene	21	Not Detected	90	Not Detected
Styrene	21	Not Detected	88	Not Detected
Bromoform	21	Not Detected	210	Not Detected
Cumene	21	Not Detected	100	Not Detected
1,1,2,2-Tetrachloroethane	21	Not Detected	140	Not Detected
4-Ethyltoluene	21	Not Detected	100	Not Detected
1,3,5-Trimethylbenzene	21	Not Detected	100	Not Detected
1,2,4-Trimethylbenzene	21	Not Detected	100	Not Detected
1,3-Dichlorobenzene	21	Not Detected	120	Not Detected
1,4-Dichlorobenzene	21	Not Detected	120	Not Detected
1,2-Dichlorobenzene	21	Not Detected	120	Not Detected
1,2,4-Trichlorobenzene	83	Not Detected	620	Not Detected
Hexachlorobutadiene	83	Not Detected	880	Not Detected
Naphthalene	42	Not Detected	220	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: SS-9

Lab ID#: 2306749-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071307	Date of Collection:	6/28/23 12:37:00 PM
Dil. Factor:	2.12	Date of Analysis:	7/13/23 03:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.2	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.3	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	11	98	20	180
Freon 113	1.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	12	25	30
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	4.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	19	4.3	77
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	190	5.8	1100
Cyclohexane	1.1	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	140	5.7	740
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.3	Not Detected
Toluene	2.1	Not Detected	8.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	84	7.2	570
2-Hexanone	4.2	Not Detected	17	Not Detected
Dibromochloromethane	1.1	Not Detected	9.0	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.1	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected

Client Sample ID: SS-9

Lab ID#: 2306749-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071307	Date of Collection:	6/28/23 12:37:00 PM
Dil. Factor:	2.12	Date of Analysis:	7/13/23 03:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	2.1	Not Detected	9.2	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SS-10

Lab ID#: 2306749-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071308	Date of Collection:	6/28/23 12:56:00 PM
Dil. Factor:	2.03	Date of Analysis:	7/13/23 03:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.0	Not Detected
Freon 114	1.0	Not Detected	7.1	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.2	Not Detected
Bromomethane	10	Not Detected	39	Not Detected
Chloroethane	4.1	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.7	Not Detected
Ethanol	10	100	19	190
Freon 113	1.0	Not Detected	7.8	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Acetone	10	46	24	110
2-Propanol	4.1	4.3	10	11
Carbon Disulfide	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	35	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Hexane	1.0	1.1	3.6	4.0
1,1-Dichloroethane	1.0	7.9	4.1	32
2-Butanone (Methyl Ethyl Ketone)	4.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.0	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	32	5.5	180
Cyclohexane	1.0	1.4	3.5	4.7
Carbon Tetrachloride	1.0	Not Detected	6.4	Not Detected
Benzene	1.0	Not Detected	3.2	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.1	Not Detected
Heptane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	33	5.4	180
1,2-Dichloropropane	1.0	Not Detected	4.7	Not Detected
Bromodichloromethane	1.0	Not Detected	6.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	2.0	Not Detected	7.6	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.6	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.5	Not Detected
Tetrachloroethene	1.0	6.9	6.9	47
2-Hexanone	4.1	Not Detected	17	Not Detected
Dibromochloromethane	1.0	Not Detected	8.6	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.8	Not Detected
Chlorobenzene	1.0	Not Detected	4.7	Not Detected



Air Toxics

Client Sample ID: SS-10

Lab ID#: 2306749-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071308	Date of Collection:	6/28/23 12:56:00 PM
Dil. Factor:	2.03	Date of Analysis:	7/13/23 03:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1.0	Not Detected	4.4	Not Detected
m,p-Xylene	2.0	Not Detected	8.8	Not Detected
o-Xylene	1.0	Not Detected	4.4	Not Detected
Styrene	1.0	Not Detected	4.3	Not Detected
Bromoform	1.0	Not Detected	10	Not Detected
Cumene	1.0	Not Detected	5.0	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.0	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.0	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.0	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.1	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	30	Not Detected
Hexachlorobutadiene	4.1	Not Detected	43	Not Detected
Naphthalene	2.0	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: SS-11

Lab ID#: 2306749-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071311	Date of Collection:	6/28/23 1:23:00 PM
Dil. Factor:	4.27	Date of Analysis:	7/13/23 05:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	2.1	Not Detected	10	Not Detected
Freon 114	2.1	Not Detected	15	Not Detected
Chloromethane	21	Not Detected	44	Not Detected
Vinyl Chloride	2.1	Not Detected	5.4	Not Detected
1,3-Butadiene	2.1	Not Detected	4.7	Not Detected
Bromomethane	21	Not Detected	83	Not Detected
Chloroethane	8.5	Not Detected	22	Not Detected
Freon 11	2.1	Not Detected	12	Not Detected
Ethanol	21	100	40	190
Freon 113	2.1	Not Detected	16	Not Detected
1,1-Dichloroethene	2.1	Not Detected	8.5	Not Detected
Acetone	21	Not Detected	51	Not Detected
2-Propanol	8.5	Not Detected	21	Not Detected
Carbon Disulfide	8.5	Not Detected	26	Not Detected
Methylene Chloride	21	Not Detected	74	Not Detected
Methyl tert-butyl ether	8.5	Not Detected	31	Not Detected
trans-1,2-Dichloroethene	2.1	Not Detected	8.5	Not Detected
Hexane	2.1	Not Detected	7.5	Not Detected
1,1-Dichloroethane	2.1	Not Detected	8.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	8.5	Not Detected	25	Not Detected
cis-1,2-Dichloroethene	2.1	Not Detected	8.5	Not Detected
Tetrahydrofuran	2.1	Not Detected	6.3	Not Detected
Chloroform	2.1	Not Detected	10	Not Detected
1,1,1-Trichloroethane	2.1	530	12	2900
Cyclohexane	2.1	Not Detected	7.3	Not Detected
Carbon Tetrachloride	2.1	Not Detected	13	Not Detected
Benzene	2.1	Not Detected	6.8	Not Detected
1,2-Dichloroethane	2.1	Not Detected	8.6	Not Detected
Heptane	2.1	Not Detected	8.7	Not Detected
Trichloroethene	2.1	490	11	2600
1,2-Dichloropropane	2.1	Not Detected	9.9	Not Detected
Bromodichloromethane	2.1	Not Detected	14	Not Detected
cis-1,3-Dichloropropene	2.1	Not Detected	9.7	Not Detected
4-Methyl-2-pentanone	2.1	Not Detected	8.7	Not Detected
Toluene	4.3	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	2.1	Not Detected	9.7	Not Detected
1,1,2-Trichloroethane	2.1	Not Detected	12	Not Detected
Tetrachloroethene	2.1	30	14	200
2-Hexanone	8.5	Not Detected	35	Not Detected
Dibromochloromethane	2.1	Not Detected	18	Not Detected
1,2-Dibromoethane (EDB)	2.1	Not Detected	16	Not Detected
Chlorobenzene	2.1	Not Detected	9.8	Not Detected



Air Toxics

Client Sample ID: SS-11

Lab ID#: 2306749-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071311	Date of Collection:	6/28/23 1:23:00 PM
Dil. Factor:	4.27	Date of Analysis:	7/13/23 05:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	2.1	Not Detected	9.3	Not Detected
m,p-Xylene	4.3	Not Detected	18	Not Detected
o-Xylene	2.1	Not Detected	9.3	Not Detected
Styrene	2.1	Not Detected	9.1	Not Detected
Bromoform	2.1	Not Detected	22	Not Detected
Cumene	2.1	Not Detected	10	Not Detected
1,1,2,2-Tetrachloroethane	2.1	Not Detected	15	Not Detected
4-Ethyltoluene	2.1	Not Detected	10	Not Detected
1,3,5-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,2,4-Trimethylbenzene	2.1	Not Detected	10	Not Detected
1,3-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,4-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,2-Dichlorobenzene	2.1	Not Detected	13	Not Detected
1,2,4-Trichlorobenzene	8.5	Not Detected	63	Not Detected
Hexachlorobutadiene	8.5	Not Detected	91	Not Detected
Naphthalene	4.3	Not Detected	22	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: SS-12

Lab ID#: 2306749-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071309	Date of Collection:	6/28/23 1:42:00 PM
Dil. Factor:	2.06	Date of Analysis:	7/13/23 04:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.1	Not Detected
Freon 114	1.0	Not Detected	7.2	Not Detected
Chloromethane	10	Not Detected	21	Not Detected
Vinyl Chloride	1.0	Not Detected	2.6	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	40	Not Detected
Chloroethane	4.1	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.8	Not Detected
Ethanol	10	110	19	210
Freon 113	1.0	Not Detected	7.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	10	12	24	28
2-Propanol	4.1	6.7	10	16
Carbon Disulfide	4.1	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	4.1	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Chloroform	1.0	Not Detected	5.0	Not Detected
1,1,1-Trichloroethane	1.0	15	5.6	82
Cyclohexane	1.0	Not Detected	3.5	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.5	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	5.1	5.5	28
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
Toluene	2.1	Not Detected	7.8	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.6	Not Detected
Tetrachloroethene	1.0	1.4	7.0	9.5
2-Hexanone	4.1	Not Detected	17	Not Detected
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	7.9	Not Detected
Chlorobenzene	1.0	Not Detected	4.7	Not Detected

Client Sample ID: SS-12

Lab ID#: 2306749-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071309	Date of Collection:	6/28/23 1:42:00 PM
Dil. Factor:	2.06	Date of Analysis:	7/13/23 04:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1.0	Not Detected	4.5	Not Detected
m,p-Xylene	2.1	Not Detected	8.9	Not Detected
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.2	Not Detected
1,2,4-Trichlorobenzene	4.1	Not Detected	30	Not Detected
Hexachlorobutadiene	4.1	Not Detected	44	Not Detected
Naphthalene	2.1	Not Detected	11	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2306749-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071306a	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/13/23 01:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected

Client Sample ID: Lab Blank

Lab ID#: 2306749-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071306a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 01:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2306749-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071806c	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/18/23 01:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected

Client Sample ID: Lab Blank

Lab ID#: 2306749-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071806c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 01:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	87	70-130
4-Bromofluorobenzene	93	70-130

Client Sample ID: CCV

Lab ID#: 2306749-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 11:12 AM

Compound	%Recovery
Freon 12	94
Freon 114	97
Chloromethane	101
Vinyl Chloride	107
1,3-Butadiene	107
Bromomethane	110
Chloroethane	101
Freon 11	92
Ethanol	112
Freon 113	95
1,1-Dichloroethene	104
Acetone	102
2-Propanol	104
Carbon Disulfide	104
Methylene Chloride	103
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	108
Hexane	106
1,1-Dichloroethane	101
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	104
Tetrahydrofuran	109
Chloroform	96
1,1,1-Trichloroethane	94
Cyclohexane	106
Carbon Tetrachloride	90
Benzene	100
1,2-Dichloroethane	92
Heptane	108
Trichloroethene	97
1,2-Dichloropropane	97
Bromodichloromethane	93
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	100
Toluene	97
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	100
Tetrachloroethene	96
2-Hexanone	103
Dibromochloromethane	94
1,2-Dibromoethane (EDB)	100
Chlorobenzene	98

Client Sample ID: CCV

Lab ID#: 2306749-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 11:12 AM

Compound	%Recovery
Ethyl Benzene	102
m,p-Xylene	106
o-Xylene	108
Styrene	111
Bromoform	97
Cumene	108
1,1,2,2-Tetrachloroethane	98
4-Ethyltoluene	103
1,3,5-Trimethylbenzene	106
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	99
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	93
Naphthalene	95

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: CCV

Lab ID#: 2306749-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 10:33 AM

Compound	%Recovery
Freon 12	87
Freon 114	98
Chloromethane	95
Vinyl Chloride	105
1,3-Butadiene	100
Bromomethane	118
Chloroethane	101
Freon 11	84
Ethanol	103
Freon 113	96
1,1-Dichloroethene	104
Acetone	98
2-Propanol	92
Carbon Disulfide	106
Methylene Chloride	92
Methyl tert-butyl ether	102
trans-1,2-Dichloroethene	108
Hexane	102
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	107
Tetrahydrofuran	98
Chloroform	92
1,1,1-Trichloroethane	87
Cyclohexane	108
Carbon Tetrachloride	84
Benzene	99
1,2-Dichloroethane	82
Heptane	110
Trichloroethene	95
1,2-Dichloropropane	94
Bromodichloromethane	86
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	95
Toluene	94
trans-1,3-Dichloropropene	101
1,1,2-Trichloroethane	99
Tetrachloroethene	96
2-Hexanone	101
Dibromochloromethane	93
1,2-Dibromoethane (EDB)	99
Chlorobenzene	97

Client Sample ID: CCV

Lab ID#: 2306749-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 10:33 AM

Compound	%Recovery
Ethyl Benzene	102
m,p-Xylene	106
o-Xylene	108
Styrene	109
Bromoform	94
Cumene	107
1,1,2,2-Tetrachloroethane	94
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	92
1,4-Dichlorobenzene	93
1,2-Dichlorobenzene	91
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	86
Naphthalene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: LCS

Lab ID#: 2306749-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071304	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 12:21 PM

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	98	70-130
Chloromethane	104	70-130
Vinyl Chloride	106	70-130
1,3-Butadiene	107	70-130
Bromomethane	108	70-130
Chloroethane	100	70-130
Freon 11	90	70-130
Ethanol	136 Q	70-130
Freon 113	94	70-130
1,1-Dichloroethene	100	70-130
Acetone	104	70-130
2-Propanol	109	70-130
Carbon Disulfide	107	70-130
Methylene Chloride	100	70-130
Methyl tert-butyl ether	106	70-130
trans-1,2-Dichloroethene	106	70-130
Hexane	108	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	111	70-130
cis-1,2-Dichloroethene	106	70-130
Tetrahydrofuran	117	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	92	70-130
Cyclohexane	110	70-130
Carbon Tetrachloride	90	70-130
Benzene	102	70-130
1,2-Dichloroethane	94	70-130
Heptane	113	70-130
Trichloroethene	99	70-130
1,2-Dichloropropane	98	70-130
Bromodichloromethane	92	70-130
cis-1,3-Dichloropropene	103	70-130
4-Methyl-2-pentanone	108	70-130
Toluene	97	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	98	70-130
2-Hexanone	109	70-130
Dibromochloromethane	92	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 2306749-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071304	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 12:21 PM

Compound	%Recovery	Method Limits
Ethyl Benzene	105	70-130
m,p-Xylene	108	70-130
o-Xylene	110	70-130
Styrene	109	70-130
Bromoform	94	70-130
Cumene	109	70-130
1,1,2,2-Tetrachloroethane	98	70-130
4-Ethyltoluene	100	70-130
1,3,5-Trimethylbenzene	105	70-130
1,2,4-Trimethylbenzene	107	70-130
1,3-Dichlorobenzene	95	70-130
1,4-Dichlorobenzene	95	70-130
1,2-Dichlorobenzene	94	70-130
1,2,4-Trichlorobenzene	92	70-130
Hexachlorobutadiene	90	70-130
Naphthalene	103	60-140

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: LCSD

Lab ID#: 2306749-15AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071305	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 12:49 PM

Compound	%Recovery	Method Limits
Freon 12	90	70-130
Freon 114	96	70-130
Chloromethane	101	70-130
Vinyl Chloride	104	70-130
1,3-Butadiene	106	70-130
Bromomethane	107	70-130
Chloroethane	99	70-130
Freon 11	88	70-130
Ethanol	138 Q	70-130
Freon 113	92	70-130
1,1-Dichloroethene	98	70-130
Acetone	103	70-130
2-Propanol	105	70-130
Carbon Disulfide	106	70-130
Methylene Chloride	97	70-130
Methyl tert-butyl ether	105	70-130
trans-1,2-Dichloroethene	104	70-130
Hexane	105	70-130
1,1-Dichloroethane	98	70-130
2-Butanone (Methyl Ethyl Ketone)	107	70-130
cis-1,2-Dichloroethene	105	70-130
Tetrahydrofuran	115	70-130
Chloroform	94	70-130
1,1,1-Trichloroethane	90	70-130
Cyclohexane	109	70-130
Carbon Tetrachloride	88	70-130
Benzene	101	70-130
1,2-Dichloroethane	92	70-130
Heptane	113	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	97	70-130
Bromodichloromethane	92	70-130
cis-1,3-Dichloropropene	104	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	97	70-130
trans-1,3-Dichloropropene	103	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	98	70-130
2-Hexanone	110	70-130
Dibromochloromethane	92	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	100	70-130

Client Sample ID: LCSD

Lab ID#: 2306749-15AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071305	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/13/23 12:49 PM

Compound	%Recovery	Method Limits
Ethyl Benzene	107	70-130
m,p-Xylene	108	70-130
o-Xylene	111	70-130
Styrene	111	70-130
Bromoform	94	70-130
Cumene	109	70-130
1,1,2,2-Tetrachloroethane	98	70-130
4-Ethyltoluene	103	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	108	70-130
1,3-Dichlorobenzene	95	70-130
1,4-Dichlorobenzene	96	70-130
1,2-Dichlorobenzene	94	70-130
1,2,4-Trichlorobenzene	96	70-130
Hexachlorobutadiene	91	70-130
Naphthalene	109	60-140

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCS

Lab ID#: 2306749-15B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 11:02 AM

Compound	%Recovery	Method Limits
Freon 12	87	70-130
Freon 114	97	70-130
Chloromethane	95	70-130
Vinyl Chloride	105	70-130
1,3-Butadiene	101	70-130
Bromomethane	113	70-130
Chloroethane	100	70-130
Freon 11	83	70-130
Ethanol	129	70-130
Freon 113	92	70-130
1,1-Dichloroethene	101	70-130
Acetone	100	70-130
2-Propanol	100	70-130
Carbon Disulfide	108	70-130
Methylene Chloride	90	70-130
Methyl tert-butyl ether	104	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	104	70-130
1,1-Dichloroethane	97	70-130
2-Butanone (Methyl Ethyl Ketone)	110	70-130
cis-1,2-Dichloroethene	104	70-130
Tetrahydrofuran	107	70-130
Chloroform	91	70-130
1,1,1-Trichloroethane	87	70-130
Cyclohexane	111	70-130
Carbon Tetrachloride	85	70-130
Benzene	102	70-130
1,2-Dichloroethane	86	70-130
Heptane	114	70-130
Trichloroethene	96	70-130
1,2-Dichloropropane	95	70-130
Bromodichloromethane	87	70-130
cis-1,3-Dichloropropene	103	70-130
4-Methyl-2-pentanone	101	70-130
Toluene	95	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	97	70-130
2-Hexanone	104	70-130
Dibromochloromethane	90	70-130
1,2-Dibromoethane (EDB)	99	70-130
Chlorobenzene	99	70-130

Client Sample ID: LCS

Lab ID#: 2306749-15B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 11:02 AM

Compound	%Recovery	Method Limits
Ethyl Benzene	105	70-130
m,p-Xylene	107	70-130
o-Xylene	110	70-130
Styrene	109	70-130
Bromoform	93	70-130
Cumene	108	70-130
1,1,2,2-Tetrachloroethane	95	70-130
4-Ethyltoluene	99	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	103	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	92	70-130
1,2-Dichlorobenzene	91	70-130
1,2,4-Trichlorobenzene	89	70-130
Hexachlorobutadiene	87	70-130
Naphthalene	101	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: LCSD

Lab ID#: 2306749-15BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071805	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 12:03 PM

Compound	%Recovery	Method Limits
Freon 12	85	70-130
Freon 114	96	70-130
Chloromethane	92	70-130
Vinyl Chloride	102	70-130
1,3-Butadiene	99	70-130
Bromomethane	111	70-130
Chloroethane	98	70-130
Freon 11	82	70-130
Ethanol	122	70-130
Freon 113	91	70-130
1,1-Dichloroethene	99	70-130
Acetone	100	70-130
2-Propanol	98	70-130
Carbon Disulfide	106	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	103	70-130
trans-1,2-Dichloroethene	105	70-130
Hexane	102	70-130
1,1-Dichloroethane	95	70-130
2-Butanone (Methyl Ethyl Ketone)	110	70-130
cis-1,2-Dichloroethene	104	70-130
Tetrahydrofuran	107	70-130
Chloroform	91	70-130
1,1,1-Trichloroethane	86	70-130
Cyclohexane	111	70-130
Carbon Tetrachloride	83	70-130
Benzene	100	70-130
1,2-Dichloroethane	83	70-130
Heptane	110	70-130
Trichloroethene	95	70-130
1,2-Dichloropropane	93	70-130
Bromodichloromethane	86	70-130
cis-1,3-Dichloropropene	101	70-130
4-Methyl-2-pentanone	99	70-130
Toluene	94	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	98	70-130
Tetrachloroethene	96	70-130
2-Hexanone	103	70-130
Dibromochloromethane	90	70-130
1,2-Dibromoethane (EDB)	98	70-130
Chlorobenzene	98	70-130

Client Sample ID: LCSD

Lab ID#: 2306749-15BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p071805	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/18/23 12:03 PM

Compound	%Recovery	Method Limits
Ethyl Benzene	105	70-130
m,p-Xylene	106	70-130
o-Xylene	108	70-130
Styrene	109	70-130
Bromoform	91	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	94	70-130
4-Ethyltoluene	100	70-130
1,3,5-Trimethylbenzene	100	70-130
1,2,4-Trimethylbenzene	103	70-130
1,3-Dichlorobenzene	91	70-130
1,4-Dichlorobenzene	92	70-130
1,2-Dichlorobenzene	89	70-130
1,2,4-Trichlorobenzene	91	70-130
Hexachlorobutadiene	87	70-130
Naphthalene	104	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	83	70-130
4-Bromofluorobenzene	97	70-130

Table 1
Indoor Air Concentrations of Target Analyte Constituents
(June 2023)

Former FV Steel and Wire Co
Hortonville, Wisconsin

Target Analyte List (Units: ug/m ³)	Large Commercial VAL	Indoor Air Samples		
		IA-1 (Building E)	IA-2 (Building D West)	IA-3 (Building D East)
		6-Jun-23	6-Jun-23	6-Jun-23
1,1-Dichloroethane	77	<2.4	<2.4	<2.4
1,1-Dichloroethene	880	<11	<11	<11
1,2-Dichloroethane	4.7	<1.8	<1.8	<1.8
cis-1,2-Dichloroethene	---	<2	<2	<2
Tetrachloroethene	180	1	<0.99	<0.99
Trichloroethene	8.8	<1.5	<1.5	<1.5
Vinyl chloride	28	<13	<13	<13

Notes:

VAL = Vapor Action Level (Indoor Air)

(VALs based on Nov. 2022 USEPA Regional Screening Levels)

ug/m³ = micrograms per cubic meter

< = Less than reporting limit

Samples collected in February 2023 were analyzed by Pace Analytical Services Minneapolis, MN

Samples collected in June 2023 were analyzed by Eurofins Air Toxins LLC Folsom, CA

Table 2
Sub-slab Vapor Analytical Table - June 2023
Former FV Steel and Wire Site
Hortonville, Wisconsin

VOCs (ug/m3)	Large Commercial VRSL	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12
		28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23
1,1,1-Trichloroethane	2,200,000	2,400	1,600	2,600	2,200	3,300	2,400	3,600	950	1,100	180	2,900	82
1,1,2,2-Tetrachloroethane		<6	<1.3	<14	<56	<73	<18	<32	<140	<7.3	<7.0	<15	<7.1
1,1,2-Trichloroethane		<6	<1.3	<12	<44	<58	<15	<26	<110	<5.8	<5.5	<12	<5.6
1,1,2-Trichlorotrifluoroethane (Freon 113)		<6	<1.3	<16	<62	<82	<20	<36	<160	<8.1	<7.8	<16	<7.9
1,1-Dichloroethane	7,700	<6	<1.3	<8.5	<33	<43	<11	<19	<84	77	32	<8.6	<4.2
1,1-Dichloroethene	88,000	<6	<1.3	19	<32	<42	16	<18	<82	<4.2	<4.0	<8.5	<4.1
1,2,4-Trichlorobenzene		<6	<5.3	<63	<240	<320	<80	<140	<620	<31	<30	<63	<30
1,2,4-Trimethylbenzene	26,000	<6	<1.3	<10	<40	<52	<13	<23	<100	<5.2	<5.0	<10	<5.1
1,2-Dibromoethane (EDB)		<6	<1.3	<16	<63	<82	<20	<36	<160	<8.1	<7.8	<16	<7.9
1,2-Dichlorobenzene		<6	<1.3	<13	<49	<64	<16	<28	<120	<6.4	<6.1	<13	<6.2
1,2-Dichloroethane	470	<6	<1.3	<8.5	<33	<43	<11	<19	<84	<4.3	<4.1	<8.6	<4.2
1,2-Dichloropropane		<6	<1.3	<9.8	<38	<49	<12	<22	<96	<4.9	<4.7	<9.9	<4.8
1,3,5-Trimethylbenzene	26,000	<6	<1.3	<10	<40	<52	<13	<23	<100	<5.2	<5.0	<10	<5.1
1,3-Butadiene		<6	<1.3	<4.7	<18	<24	<5.9	<10	<46	<2.3	<2.2	<4.7	<2.3
1,3-Dichlorobenzene		<6	<1.3	<13	<49	<64	<16	<28	<120	<6.4	<6.1	<13	<6.2
1,4-Dichlorobenzene		<6	<1.3	<13	<49	<64	<16	<28	<120	<6.4	<6.1	<13	<6.2
2-Butanone (MEK)		<6	<5.3	<25	<96	<120	<32	<55	<240	<12	<12	<25	<12
2-Hexanone		<6	<5.3	<34	<130	<170	<44	<77	<340	<17	<17	<35	<17
2-Propanol		<6	<5.3	<21	<80	<100	<26	<46	<200	<10	11	<21	16
4-Ethyltoluene		<6	<1.3	<10	<40	<52	<13	<23	<100	<5.2	<5.0	<10	<5.1
4-Methyl-2-pentanone (MIBK)		<6	<1.3	<8.6	<33	<44	<11	<19	<85	<4.3	<4.2	<8.7	<4.2
Acetone		<6	42	<50	<190	<250	<64	<110	<490	30	110	<51	28
Benzene	1,600	<6	<1.3	<6.7	<26	<34	<8.6	<15	<66	<3.4	<3.2	<6.8	<3.3
Benzyl chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane		<6	<1.3	<14	<55	<71	<18	<31	<140	<7.1	<6.8	<14	<6.9
Bromoform		<6	<1.3	<22	<84	<110	<28	<48	<210	<11	<10	<22	<11
Bromomethane		<60	<13	<82	<320	<410	<100	<180	<800	<41	<39	<83	<40
Carbon disulfide		<24	<5.3	<26	<100	<130	<33	<58	<260	<13	<13	<26	<13
Carbon tetrachloride	2,000	<6	<1.3	<13	<51	<67	<17	<30	<130	<6.7	<6.4	<13	<6.5
Chlorobenzene		<6	<1.3	<9.7	<38	<49	<12	<22	<96	<4.9	<4.7	<9.8	<4.7
Chloroethane		<24	<5.3	<22	<86	<110	<28	<50	<220	<11	<11	<22	<11
Chloroform	530	<6	15	<10	89	<52	<13	<23	<100	<5.2	<5.0	<10	<5.0
Chloromethane	39,000	<6	<13	<44	<170	<220	<55	<97	<430	<22	<21	<44	<21
Cyclohexane		<6	<1.3	<7.3	<28	<37	<9.2	<16	<71	<3.6	4.7	<7.3	<3.5
Dibromochloromethane		<6	<1.3	<18	<69	<91	<23	<40	<180	<9.0	<8.6	<18	<8.8
Dichlorodifluoromethane (Freon 12)	44,000	82	50	13	220	200	<13	2,300	34,000	<5.2	<5.0	<10	<5.1
Dichlorotetrafluoroethane (Freon 114)		<6	<1.3	<15	<57	<74	<19	<33	<140	<7.4	<7.1	<15	<7.2
Ethanol		<6	34	<40	<150	<200	<50	180	<390	180	190	190	210
Ethyl acetate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	4900	<6	<1.3	<9.2	<35	<46	<12	<20	<90	<4.6	<4.4	<9.3	<4.5
Hexachloro-1,3-butadiene (HCBd)		<24	<5.3	<90	<350	<450	<110	<200	<880	<45	<43	<91	<44
Isopropylbenzene (Cumene)		<6	<1.3	<10	<40	<52	<13	<23	<100	<5.2	<5.0	<10	<5.1
Methyl-tert-butyl ether	47,000	<24	<5.3	<30	<120	<150	<39	<68	<300	<15	<15	<31	<15
Methylene Chloride	260,000	<60	<13	<73	<280	<370	<93	<160	<720	<37	<35	<74	<36

Table 2
Sub-slab Vapor Analytical Table - June 2023

Former FV Steel and Wire Site
Hortonville, Wisconsin

VOCs (ug/m3)	Large Commercial VRSL	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12
		28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23	28-Jun-23
Naphthalene	360	<12	<2.6	<22	<85	<110	<28	<49	<220	<11	<11	<22	<11
Propylene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene		<6	<1.3	<9	<35	<45	<11	<20	<88	<4.5	<4.3	<9.1	<4.4
Tetrachloroethene	18,000	320	170	260	240	190	240	130	<140	570	47	200	9.5
Tetrahydrofuran		<6	<1.3	<6.2	<24	<31	<7.9	<14	<61	<3.1	<3.0	<6.3	<3.0
Toluene		<12	<2.6	<16	<61	<80	<20	<35	<160	<8.0	<7.6	<16	<7.8
Trichloroethene	880	7,600	1,600	220	10,000	13,000	210	5,700	<110	740	180	2,600	28
Trichlorofluoromethane (Freon 11)		<6	<1.3	<12	<46	<60	<15	<26	<120	<6.0	<5.7	<12	<5.8
Vinyl acetate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2,800	<6	<1.3	<5.4	<21	<27	<6.8	<12	<53	<2.7	<2.6	<5.4	<2.6
cis-1,2-Dichloroethene		55	<1.3	<8.4	<32	<42	<11	<18	<82	<4.2	<4.0	<8.5	<4.1
cis-1,3-Dichloropropene		<6	<1.3	<9.6	<37	<48	<12	<21	<94	<4.8	<4.6	<9.7	<4.7
m&p-Xylene		<12	<2.6	<18	<71	<92	<23	<41	<180	<9.2	<8.8	<18	<8.9
n-Heptane		<6	<1.3	<8.6	<33	<44	<11	<19	<85	<4.3	<4.2	<8.7	<4.2
n-Hexane		<6	<1.3	<7.4	<29	<38	<9.4	<16	<73	<3.7	4	<7.5	<3.6
o-Xylene	44,000	<6	<1.3	<9.2	<35	<46	<12	<20	<90	<4.6	<4.4	<9.3	<4.5
trans-1,2-Dichloroethene		<6	<1.3	<8.4	<32	<42	<11	<18	<82	<4.2	<4.0	<8.5	<4.1
trans-1,3-Dichloropropene		<6	<1.3	<9.6	<37	<48	<12	<21	<94	<4.8	<4.6	<9.7	<4.7

Notes:

VRSL = Vapor Risk Screening Level (Sub-Slab Vapor)

(VRSLs based on November 2022 U.S. EPA Regional Screening Levels)

Values in bold exceeds Large Commercial VRSL

ug/m3 = micrograms per cubic meter

< = Less than reporting limit

J = Estimated concentration

Samples were analyzed for TO-15 by Eurofins Air Toxins LLC Folsom, CA

VOCs = Volatile Organic Compounds

NA = Not analyzed

- Legend**
- X Sub Slap Point
 - Indoor Air Sample
 - ▨ Garage Door
 - ⊗ Manhole
 - Structural Pier
 - - - Breezeway
 - ▲ In-Wall Exhaust Fan (near ceiling)

