TheELAMGroup

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June 17, 2024

Mr. Christopher Maurer
Voluntary Cleanup Program ("VCP")
Washington Department of Ecology ("Ecology")
P.O. Box 47600
Olympia, WA 98504-7600

VIA E-MAIL

Re: Commercial Building Vapor Intrusion Assessment at 2516 E Cherry St and 2518 E Cherry St
VCP ID: NW2009; Cleanup Site ID: 4175; Facility/Site ID: 4765174
Former Cherry Street Cleaners
2510 E Cherry St
Seattle, Washington 98122

Dear Mr. Maurer:

On behalf of the former Cherry Street Cleaners, this letter documents an assessment of continued compliance with regard to the potential for vapor intrusion ("VI") at the Twilight Exit Bar commercial building located at 2516 E Cherry St ("2516") and the former Tana Market commercial building located at 2518 E Cherry St ("2518") pursuant to the Washington Department of Ecology ("Ecology")-approved *Cleanup Action Plan (Revision1)* ("CAPrev1")[1] and the previous vapor intrusion assessment ("VIA") report.[2]

The ELAM Group previously recommended conducting an annual inspection of 2516 and 2518 for continued Commercial land use. If Commercial land use is confirmed during the annual inspection, vapor intrusion ("VI") sampling should be conducted for

[1] The ELAM Group, 2020, *Cleanup Action Plan (Revision 1)*, *TO:* Chris Mauer, Ecology, *FROM:* James Hogan, The ELAM Group, 7/30/20.
[2] The ELAM Group, 2023, *Commercial Building Vapor Intrusion Assessments at 2516 and Inspection of 2518 E. Cherry St.*, *TO:* Christopher Mauer, Ecology, *FROM:* James Hogan, The ELAM Group, 12/13/23.

2516 during the "reasonable worst case" scenario.[3,4] If land use changes to residential, additional VI sampling may be warranted. However, while evaluating the data from the March 2023 VI sampling, the regulatory comparison values were changed to the January 2023 cleanup level and risk calculation ("CLARC") comparison values.[5] Comparison of the historical data for 2518 indicated that tetrachloroethene ("PCE") concentrations reported for sample location SS-4 were above the current Method C Commercial Soil Gas Screening Levels ("SGSLs"). Therefore, additional sampling for 2518 was warranted. The following narrative describes the land use observations, VI sampling procedures, and provides a summary of the results and an analysis of the data for the 2516 and 2518 buildings during February 2024.

Background

Both buildings are located east of the former Cherry Street Cleaners dry cleaning facility, as shown on Figure 1. Cherry Street Cleaners was located at 2510 E Cherry St from 1968 to 2007. During this period, the facility handled tetrachloroethene ("PCE"), which was released to the subsurface. The constituents of concern ("COCs") in this matter are thus associated with historical dry cleaning operations, including chlorinated volatile organic compounds ("cVOCs") such as PCE and its daughter products trichloroethene ("TCE"), *cis*-1,2-dichloroethene ("c-DCE"), *trans*-1,2-dichloroethene ("t-DCE") and vinyl chloride ("VC"). Several investigations and remedial activities of the COC impacts to soil, groundwater and soil gas have ensued since 2007. Details of the prior work is publicly available through Ecology's dedicated website to this site.[6]

[3] Ecology, 2022, *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, October 2009 (Revised February 2016, April 2018 and November 2021), Ecology: https://fortress.wa.gov/ecy/publications/documents/0909047.pdf (URL last accessed 6/11/24).

[4] A "reasonable worst case" VI scenario as defined by Ecology's *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, dated October 2009 (revised February 2016, April 2018 and November 2021) is a period of time when the building's interior is likely to be "depressurized with respect to the subsurface." This condition is common during the "heating season", but also during periods of falling barometric pressure and during snow and/or precipitation when soil gas may preferentially migrate to the drier subsurface airspace beneath building structures.

[5] Ecology, 2024, *Cleanup Levels and Risk Calculation (CLARC)*, Ecology: https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/contamination-clean-up-tools/clarc (URL last accessed 6/11/24).

[6] Ecology, 2024, *Cherry Street Cleaners*, Ecology: https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4175 (URL last accessed 6/11/24).

Specific to 2516 and 2518, Ecology issued an Opinion Letter ("Opinion") on 11/17/14 with regard to the VI sampling conducted during 2012 and 2013. The Opinion stated that the current receptors can be considered protected if levels detected are lower than the Commercial Model Toxics Control Act ("MTCA") Method C Commercial Indoor Air Cleanup Levels ("IACLs") provided that the buildings are used for commercial purposes.

On 6/29/17, a reassessment of the buildings was conducted because sub-slab soil gas ("SGss") samples had not been collected contemporaneously with indoor air ("IA") samples during the prior sampling events. Additionally, the Cherry Street Cleaners building had been demolished since those sampling events, and a reassessment had not been conducted following the demolition. Therefore, as a part of remediation planning and to understand the VI potential after a condition had changed, a paired SGss/IA event was conducted. The results were reported to Ecology in a VIA report, dated 12/1/17.[7] The analytical results showed that, for the first time, the SGss concentrations were lower than the Method C Commercial Soil Gas Screening Levels ("SGSLs"). Our conclusion stated that we believed that the 93% reduction in COC concentrations was related to the demolition of the former Cherry Street Cleaners building and subsequent off-gassing of COCs from the exposed soil. However, we recommended that VI sampling be conducted during the winter heating season when the building's interior is likely to be depressurized to confirm the reduction in PCE in the SGss and to understand the seasonal variability of the COC concentrations.

Accordingly, VI sampling was completed in February of 2018. The results were reported to Ecology in a VIA report, dated 11/7/18.[8] With the exception of a sample result from SGss sample port SS-1, all of the concentrations of the COCs associated with the former Cherry Street Cleaners in the samples from 2516 and 2518 collected during February 2018 once again complied with Ecology's respective Commercial SGSLs and IACLs. To ensure that compliance is maintained, annual inspections of 2516 and 2518 for continued Commercial land use were recommended. If Commercial, the recommendation further stated that VI sampling in 2516 should be conducted annually, until the SGss concentrations reduce below the applicable SGSLs for two consecutive events.

[7] The ELAM Group, 2017, *Commercial Building Vapor Intrusion Assessments at 2516 & 2518 E. Cherry St.*, *TO:* Dale Myers, Ecology, *FROM:* James Hogan, The ELAM Group, 12/1/17.
[8] The ELAM Group, 2018, *Commercial Building Vapor Intrusion Assessments at 2516 & 2518 E. Cherry St.*, *TO:* Sonia Fernandez, Ecology, *FROM:* James Hogan, The ELAM Group, 11/7/18.

Hence, another VI sampling event was conducted in January of 2020. The results were reported to Ecology in a VIA report, dated 4/27/20.[9] With the exception of a sample result from SGss sample port SS-1, all of the concentrations of the COCs associated with the former Cherry Street Cleaners in the samples from 2516 and 2518 collected during February 2018 once again complied with Ecology's respective Commercial SGSLs and IACLs. Continued annual inspection and VI sampling according to observed land use was carried forward into the Ecology-approved CAPrev1.[10]

The October 2021 VIA continued the annual sampling and inspection objectives specified in the CAPrev1. In addition, this VIA represents the first post-remedy sampling event following removal of a heating oil tank ("HOT"), excavation of the surface soils from 0 to 2 feet below ground surface ("bgs") and *in-situ* chemical oxidation ("ISCO") from 2 to 10 feet bgs within the Facility property boundary during June of 2021.[11] Hence, this sampling event also serves to monitor the effect those remedial actions had on soil gas.

The March 2023 VIA continued the annual sampling and inspections specified in the CAPrev1. In addition, this VI sampling event represents the second post-remedy sampling event following the previously mentioned remedies conducted in June of 2021. To address the PCE impacts deeper in the vadose zone and in the saturated zone, the CAPrev1 included installation and operation of an Ozone Injection Treatment System ("OITS"). The OITS began operation in November of 2022.[12]

This VI sampling in February of 2024 continues the annual sampling and inspections for 2516 and 2518 specified in the CAPrev1. In addition, this VI sampling event serves to monitor the effect of ongoing remedial actions on soil gas after approximately 15 months of OITS operation.

[9] The ELAM Group, 2020, *Commercial Building Vapor Intrusion Assessments at 2516 and Inspection of 2518 E. Cherry St.*, *TO:* Christopher Mauer, Ecology, *FROM:* James Hogan, The ELAM Group, 4/27/20.
[10] Ecology, 2020, *Opinion on Proposed Cleanup of the following Site:*, *TO:* Vera Benton, Cherry Street Cleaners, *FROM:* Chris Maurer, Ecology, 12/8/20.
[11] The ELAM Group, 2022, *Annual Report - 2510 E Cherry St, Seattle, WA*, *TO:* Christopher Mauer, Ecology, *FROM:* James Hogan, The ELAM Group, 4/5/22.
[12] The ELAM Group, 2023, *Annual Report - 2510 E Cherry St, Seattle, WA*, *TO:* Christopher Mauer, Ecology, *FROM:* James Hogan, The ELAM Group, 5/5/23.

Inspection for Commercial Land Use

The current status of the premises at 2516 and 2518 are as follows:

- ❏ Twilight Exit Bar is operating as a commercial business at 2516
- ❏ There is currently no tenant in the commercial building space located at 2518.

The lack of occupancy for 2518 is a change when compared to the prior inspection in March of 2023, when this space was operating as an art gallery. The status will continue to be monitored as per the CAPrev1.

Procedures

On 2/26/24, The ELAM Group surveyed the chemicals housed within the buildings located at 2516 and 2518. According to the chemical inventory, no chemicals contained cVOCs and were therefore not removed from the buildings at 2516 and 2518. On 2/29/24, a staff scientist with The ELAM Group initiated subslab and indoor air sampling using laboratory-supplied 6-liter stainless steel Summa canisters in accordance with the Ecology-approved Quality Assurance Project Plan - Revision 1 (“QAPPrev1”), dated 3/7/23.

Results

The analytical results are summarized in Table 1 and shown relative to the sample locations on Figure 2. The chemical inventories for each building are provided in Attachment A. The sampling forms are included in Attachment B. The laboratory analytical report including Summa canister certifications is provided in Attachment C.

Analysis

Cherry Street Cleaners COCs Trend Analysis

The concentrations of the COCs associated with the former Cherry Street Cleaners in the IA samples collected from 2516 and 2518 during February 2024 complied with Ecology's Method C IACLs. In addition to continued compliance with Method C IACLs, the concentrations of the COCs associated with the former Cherry Street Cleaners in the SGss samples collected from 2516 and 2518 complied with Ecology's Method C SGSLs.

Based on these results, we have the following findings:

1. The data support the assertion that the demolition of the former Cherry Street Cleaners building is largely responsible for the release of entrapped soil gas.
2. The remedies specified in CAPrev1, including the completed soil excavation of the upper 2 feet of soil and *in-situ* chemical oxidation ("ISCO") of the vadose zone soil between 2 and 10 feet below ground surface ("bgs") as well as the ongoing ISCO with ozone in groundwater and the lower part of the vadose zone, have reduced PCE mass in the subsurface.
3. This VI sample collection event represents the second post-remedy event where the PCE concentrations in the samples collected from SS-1 and SS-2 did not exceed the Method C SGSL. These data suggest that the above-referenced remedies contributed to a permanent reduction in concentration of PCE in soil gas.
4. This VI sample collection event also represents the first post-remedy event where the PCE concentration in the sample collected from SS-4 did not exceed the Method C SGSL, again suggesting that the above-referenced remedies contributed to a permanent reduction in concentration of PCE in soil gas.

Chloroform

With the exception of a single SGss sample collected from sample port SS-2, Chloroform did not exceed Ecology's Method C SGSL. This same condition held true during the previous June 2017, February 2018, January 2020, October 2021 and March 2023 sampling events.

The source of the chloroform is uncertain, and may result from a disinfection byproduct of treated water and/or cleaning activities. Chlorine bleach can react with ethanol to produce chloroform. 2516 is a bar serving alcoholic beverages. If chlorine bleach is used to disinfect and an alcoholic beverage spills in the vicinity of its use, the reaction would create chloroform.

Aside from those scenarios, chloroform is also a daughter product of carbon tetrachloride ("CT"). CT was commonly used as a dry-cleaning agent up through the 1940s prior to the use of PCE.[13] Accordingly, the source of the CT could relate to a dry cleaner that operated during that time. The former Neighborhood Cleaners/Unique Cleaners building once existed between 1924 and 1965 at 2522 E Cherry St ("2522").[14]

Cherry Street Cleaners' use of chlorinated solvent began in 1968 with PCE and remained PCE until it ceased dry-cleaning activities in 2007. Prior to 1968, the business operated as Accurate Cleaners, which used petroleum-based dry cleaning solvents instead of PCE. Therefore, we conclude that the reported detections of CT and chloroform in the VI samples collected from 2516 are unrelated to the former operations of the Cherry Street Cleaners.

Petroleum-based Chemicals

Finally, the following petroleum-related COCs were detected at concentrations greater than the respective laboratory reporting limits: benzene, ethylbenzene, 1,2,4-trimethylbenzene, 2-propanol, toluene, and xylene. Moreover, the reported concentrations were below Ecology's respective Method C SGSLs and IACLs. The observed COCs are associated with petroleum and therefore unrelated to the PCE and daughter product COCs associated with the former operations of the Cherry Street Cleaners.

Summary and Recommendation

Based on the February 2024 VIA, The ELAM Group concludes that the indoor air concentrations remain below the Method C IACLs for the COCs associated with the

[13] Morrison, R.D. and Murphy, B.L, 2006, *Environmental Forensics*, Elsevier: New York, New York.
[14] ECC Horizon, 2014, *Remedial Investigation*.

Cherry Street Cleaners. When conjoined with the prior sampling events from 10/23/12, 4/10/13, 5/30/13, 6/29/17, 2/28/18, 1/27/20, 10/4/21 and 3/11/23 we have now accumulated nine consecutive data sets that suggest that the Cherry Cleaners COCs within the IA samples have remained in compliance with the Method C IACLs consistent with Ecology's Opinion from 11/17/14. Should the property usage change from Commercial to Residential, the more stringent Method B IACLs and SGSLs would apply.

Review of the historical VI sample results for 2516 and 2518 indicate that PCE in the SGss samples collected from SS-1, SS-2 and SS-4 have previously exceeded the Method C SGSL. During the February 2024 sample collection event, the PCE concentrations reported for the SGss samples collected from the 2516 and 2518 buildings were below the Method C SGSL. These data comparisons suggest that the implemented remedies contributed to a permanent reduction in concentration of PCE in soil gas.

To ensure that compliance is maintained, Cherry Street Cleaners will continue annual inspection of the 2516 and 2518 properties for continued Commercial land use per the CAPrev1 schedule. The monitoring of the potential for VI will continue until the SGss concentrations reduce below the applicable IACLs and SGSLs for two consecutive events. This February 2024 event represents the first instance where these conditions have been fully met. The next inspection and sampling event will be conducted during February of 2025. In the event that the land use changes to Residential, additional VI sampling may be warranted.

Should you have any questions with this VIA report, please contact me at (888) 510-3526 x102 or james.hogan@elamusa.com.

Sincerely,

TheELAMGroup
James P. Hogan, RG

Digitally signed by James Hogan
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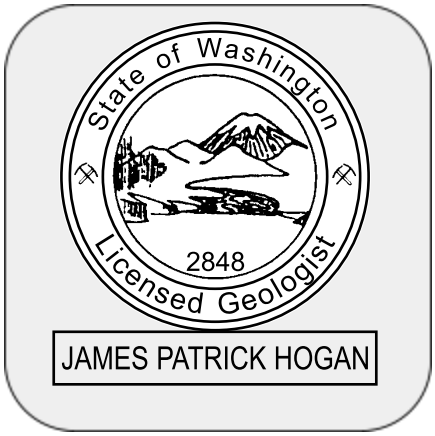

Table

Table 1. Summary of Sub-Slab Soil Gas and Indoor Air VOC Results

Former Cherry Cleaners
2510 E. Cherry Street, Seattle, WA 98122
VCP ID No. NW2009

Sampling Event	Sample Location	Sample ID	Date	Sample Type	Sample Container	Sample Duration (hrs)	Initial Field Can P ("Hg)	Final Field Can P ("Hg)	Analytical Method	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Chloroform
									Chemical Abstracts Service Registry Number ("CASRN")	127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	71-43-2	67-66-3
									2023 Indoor Air Cleanup Level, Method B	9.62	0.334	18.3	18.3	0.284	0.321	0.109
									2023 Indoor Air Cleanup Level, Method C	40	2	40	40	2.84	3.21	1.09
									2023 Sub-Slab Soil Gas Screening Level, Method B	320	11	610	610	9.5	11	3.6
									2023 Sub-Slab Soil Gas Screening Level, Method C	1,300	67	1,300	1,300	95	110	36
2516 E Cherry Street																
October 2012	SV-2	SV-2 Twilight	10/24/12	Sub-slab	6L Summa	NA	-28.5	-6	TO-15	**36,000**	<94	<69	<69	<45	<56	NT
	IA-2	IA-2 Twilight	10/24/12	Indoor Air	6L Summa	NA	-29.5	-8	TO-15	6.9	<0.19	<0.14	<0.71	<0.046	**1.0**	NT
	IA-3	IA-3 Twilight	10/24/12	Indoor Air	6L Summa	NA	-29	-8	TO-15	6.8	<0.20	<0.15	<0.76	<0.049	**0.97**	NT
	SV-3	SV-3 Twilight	10/24/12	Sub-slab	6L Summa	NA	-30+	-7	TO-15	**28,000**	<78	<58	<58	<37	<46	NT
	SV-4	SV-4 Twilight	10/24/12	Sub-slab	6L Summa	NA	-30	-8	TO-15	**110,000**	<240	<180	<180	<120	<140	NT
April 2013	IA-03	2516IA-03-20130410	04/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**24**	<0.17	<0.13	<0.64	<0.041	**0.59**	NA
	IA-02	2516IA-02-20130410	04/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**12**	<0.18	<0.13	<0.65	<0.042	**0.61**	NA
	Building Roof	2516INTAKE-20130410	04/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.24	<0.18	<0.13	<0.66	<0.042	**0.40**	NA
May 2013	IA-03	2516IA-03-20130530	05/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**25**	<0.88	<0.65	<3.2	<0.21	<1.3	NA
	IA-02	2516IA-02-20130530	05/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**15**	<0.36	<0.27	<1.3	<0.087	<0.54	NA
June 2017	IA-1	IA-1:A062917	06/29/17	Indoor Air	6L Summa	7.3	-30+	-4	TO-15	2.9	<0.22	<0.19	<0.30	<0.15	**0.66**	**0.40**
	SS-1	SS-1:A062917	06/29/17	Sub-slab	6L Summa	7.5	-30+	-4	TO-15	**1,900**	**18.7**	<0.18	<0.29	<0.15	1.5	**6.2**
	IA-2	IA-2:A062917	06/29/17	Indoor Air	6L Summa	7.4	-30+	-5	TO-15	2.2	<0.22	<0.19	<0.30	<0.15	**0.57**	**0.51**
	IA-2	FD:A062917	06/29/17	Indoor Air	6L Summa	7.4	-24.5	-3.5	TO-15	5.6	<0.21	<0.18	<0.29	<0.15	**9.1**	**0.51**
	SS-2	SS-2:A062917	06/29/17	Sub-slab	6L Summa	7.5	-27	-4	TO-15	**636**	6.9	<0.18	<0.29	<0.15	1.3	**84.7**
February 2018	IA-1	IA1:A022818	02/28/18	Indoor Air	6L Summa	8.0	-30	-4	TO-15	**19.6**	0.13	<0.062	<0.062	<0.040	**1.6**	**0.45**
	SS-1	SS1:A022818	02/28/18	Sub-slab	6L Summa	8.0	-30	-11	TO-15	**8,550**	9.5	<0.085	<0.085	<0.055	1.0	**5.1**
	IA-2	IA2:A022818	02/28/18	Indoor Air	6L Summa	8.0	-30	-4	TO-15	**16.9**	**1.2**	<0.084	<0.084	<0.054	**1.9**	**0.54**
	SS-2	SS2:A022818	02/28/18	Sub-slab	6L Summa	8.0	-30	-2	TO-15	**544**	3.3	<0.058	<0.058	<0.037	0.79	**143**
January 2020	IA-1	IA1:A012720	01/27/20	Indoor Air	6L Summa	8.0	-30	-5.5	TO-15	4.1	<0.085	<0.062	<0.062	<0.040	**1.9**	**0.44**
	SS-1	SS1:A012720	01/27/20	Sub-slab	6L Summa	8.0	-30	-5.5	TO-15	**28,000**	<40.6	<30.0	<30.0	<19.3		
	IA-2	IA2:A012720	01/27/20	Indoor Air	6L Summa	8.0	-30	-5	TO-15	7.2	<0.088	<0.065	<0.065	<0.042	**2.1**	**1.1**
	IA-2	DuplicateIA:A012720	01/27/20	Indoor Air	6L Summa	8.0	-30	-6	TO-15	8.0	<0.088	<0.065	<0.065	<0.042	**2.1**	**1.1**
	SS-2	SS2:A0122720	01/27/20	Sub-slab	6L Summa	8.0	-29.9	-6	TO-15	**742**	3.8	<0.27	0.40	<0.17	2.6	**82.6**
October 2021	IA-1	IA1:A100421	10/04/21	Indoor Air	6L Summa	8.0	-29	-4	TO-15	2.1	0.13	<0.12	<0.12	<0.037	**0.35**	**0.43**
	SS-1	SS1:A100421	10/04/21	Sub-slab	6L Summa	8.0	-30	-2	TO-15	**29,200**	5.6	<0.12	<0.12	<0.037	0.36	**5.4**
	IA-2	IA2:A100421	10/04/21	Indoor Air	6L Summa	8.0	-30	-4.5	TO-15	0.91	<0.079	<0.12	<0.12	<0.037	**0.33**	**0.24**
	IA-2	FD1:A100421	10/04/21	Indoor Air	6L Summa	8.0	-30	-4.5	TO-15	0.94	**2.4**	1.6	<0.12	<0.039	0.32	**0.24**
	SS-2	SS2:A100421	10/04/21	Sub-slab	6L Summa	8.0	-30	-4	TO-15	**6320**	**14.3**	<0.12	<0.12	<0.037	0.13	**78.4**

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2510 E. Cherry Street, Seattle, WA 98122
VCP ID No. NW2009

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									Chemical Abstracts Service Registry Number ("CASRN")	127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	71-43-2	67-66-3
									2023 Indoor Air Cleanup Level, Method B	9.62	0.334	18.3	18.3	0.284	0.321	0.109
									2023 Indoor Air Cleanup Level, Method C	40	2	40	40	2.84	3.21	1.09
									2023 Sub-Slab Soil Gas Screening Level, Method B	320	11	610	610	9.5	11	3.6
									2023 Sub-Slab Soil Gas Screening Level, Method C	1,300	67	1,300	1,300	95	110	36
March 2023	IA-1	IA1:A031123	03/11/23	Indoor Air	6L Summa	8.0	-29	-5	TO-15 SIM	**17**	<0.52	<0.38	<1.9	<0.12		
	SS-1	SS1:A031123	03/11/23	Sub-slab	6L Summa	8.0	-29	-5.0	TO-15 SIM	**1,300**	4.8	<1.1	<5.4	<0.35		**8.3**
	IA-2	IA2:A031123	03/11/23	Indoor Air	6L Summa	8.0	-28.5	-3.5	TO-15 SIM	**12**	<0.27	<0.20	<1.0	<0.064	**0.63**	**0.56**
	IA-2	FD1:A031123	03/11/23	Indoor Air	6L Summa	8.0	-29.5	-3.5	TO-15 SIM	**13**	<0.47	<0.35	<1.7	<0.11		**0.61**
	SS-2	SS2:A031123	03/11/23	Sub-slab	6L Summa	8.0	-29	-3.5	TO-15 SIM	20	0.95	<0.10	<0.52	<0.033	0.52	**36**
February 2024	IA-1	IA-1 (2516) A:022824	02/28/24	Indoor Air	6L Summa	8.0	-28	-4	TO-15 SIM	**28**	<0.72	<0.53	<0.26	<0.17		
	SS-1	SS-1 (2516) A:022824	02/28/24	Sub-slab	6L Summa	8.0	-27	-5	TO-15	68	4.1	<0.59	<0.59	<0.38	1.1	**6.3**
	IA-2	IA-2 (2516) A:022824	02/28/24	Indoor Air	6L Summa	8.0	-28	-4	TO-15 SIM	**32**	<0.70	<0.52	<2.6	<0.17		**0.81**
	IA-2	Dup-1 (2516) A:022824	02/28/24	Indoor Air	6L Summa	8.0	-29	-5	TO-15 SIM	**28**	<0.36	<0.26	<1.3	<0.085	**0.80**	**0.57**
	SS-2	SS-2 (2516) A:022824	02/28/24	Sub-slab	6L Summa	8.0	-28.5	-4	TO-15	310	2.3	<0.49	<0.49	<0.32	0.51	**53**
2518 E Cherry Street																
October 2012	SV-5	SV-5 TANA MKT.	10/24/12	Sub-slab	6L Summa	NA	-30+	-7	TO-15	20	<0.18	<0.13	<0.67	<0.043	0.33	NT
	SV-6	SV-6 TANA MKT.	10/24/12	Sub-slab	6L Summa	NA	-30+	-7	TO-15	0.90	<0.18	<0.13	<0.67	<0.043	0.41	NT
	SV-7	SV-7 TANA MKT.	10/24/12	Sub-slab	6L Summa	NA	-28	-7	TO-15	1.8	<0.18	<0.13	<0.67	<0.043	0.50	NT
April 2013	IA-01	2518IA-01-20130410	04/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**15**	<0.18	<0.13	<0.65	<0.042	**1.1**	NA
	IA-02	2518IA-02-20130410	04/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	3.0	<0.36	<0.26	<1.3	<0.085	**0.90**	NA
	Building Roof	2518INTAKE-20130410	04/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.33	<0.18	<0.14	<0.68	<0.044	**0.44**	NA
May 2013	IA-01	2518IA-01-20130530	05/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**20**	<0.37	<0.27	<1.4	<0.087	**0.88**	NA
	IA-02	2518IA-02-20130530	05/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	2.7	<0.45	<0.33	<1.7	<0.11	**0.74**	NA
June 2017	IA-3	IA-3:A062917	06/29/17	Indoor Air	6L Summa	7.3	-30	-4	TO-15	1.8	0.24	<0.18	<0.29	<0.15	**0.79**	**0.73**
	CSA-3	CSA-3:A062917	06/29/17	Crawlspace	6L Summa	7.3	-30+	-4	TO-15	1.4	**0.36**	<0.18	<0.29	<0.15	**1.7**	**1.2**
	IA-4	IA-4:A062917	06/29/17	Indoor Air	6L Summa	7.3	-30	-2	TO-15	5.7	**1.5**	<0.19	<0.30	<0.15	**2.8**	**2.2**
	SS-4	SS-4:A062917	06/29/17	Sub-slab	6L Summa	7.3	-30+	-4.5	TO-15	**2,020**	2.5	<0.18	<0.29	<0.15	1.4	**3.9**
February 2018	IA-3	IA3:A022818	02/28/18	Indoor Air	6L Summa	8.0	-29	-2	TO-15	2.2	0.11	<0.062	<0.062	0.047	**1.2**	**1.6**
	CSA-3	CSA3:A022818	02/28/18	Crawlspace	6L Summa	8.0	-29	-4	TO-15	1.4	0.16	<0.062	<0.062	<0.040	**0.97**	**0.60**
	IA-4	IA4:A022818	02/28/18	Indoor Air	6L Summa	8.0	-27	-2	TO-15	3.4	**0.86**	<0.056	<0.056	<0.036	**1.8**	**8.6**
	IA-4	Dup2518:A022818	02/28/18	Indoor Air	6L Summa	8.0	-30	-5	TO-15	0.68	0.13	<0.062	<0.062	<0.040	**1.7**	**7.8**
	SS-4	SS4:A022818	02/28/18	Sub-slab	6L Summa	8.0	-30	-4	TO-15	**1,610**	0.34	<0.062	<0.062	<0.040	3.6	**4.3**
January 2020	The commercial building space located at 2518 was vacant and not open for business. Since Commercial land use was confirmed during the annual inspection, a VIA was not conducted in 2518 during the “reasonable worst case” scenario.															

Table 1. Summary of Sub-Slab Soil Gas and Indoor Air VOC Results

Former Cherry Cleaners
2510 E. Cherry Street, Seattle, WA 98122
VCP ID No. NW2009

Sampling Event	Sample Location	Sample ID	Date	Sample Type	Sample Container	Sample Duration (hrs)	Initial Field Can P ("Hg)	Final Field Can P ("Hg)	Analytical Method	Tetrachloro-ethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Chloroform
									Chemical Abstracts Service Registry Number ("CASRN")	127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	71-43-2	67-66-3
									2023 Indoor Air Cleanup Level, Method B	9.62	0.334	18.3	18.3	0.284	0.321	0.109
									2023 Indoor Air Cleanup Level, Method C	40	2	40	40	2.84	3.21	1.09
									2023 Sub-Slab Soil Gas Screening Level, Method B	320	11	610	610	9.5	11	3.6
									2023 Sub-Slab Soil Gas Screening Level, Method C	1,300	67	1,300	1,300	95	110	36
October 2021	The commercial building space located at 2518 was vacant and not open for business. Since Commercial land use was confirmed during the annual inspection, a VIA was not conducted in 2518 during the “reasonable worst case” scenario.															
March 2023	The commercial building space located at 2518 was occupied by an art gallery. Since Commercial land use was confirmed during the annual inspection, a VIA was not conducted in 2518 during the “reasonable worst case” scenario.															
February 2024	IA-3	IA-3 (2518):A022824	02/28/24	Indoor Air	6L Summa	8.0	-28	-4	TO-15 SIM	0.42	<0.14	<0.10	<0.52	<0.033	**0.42**	**0.13**
	CSA-3	SS-3 (2518): A022824	02/28/24	Crawlspace	6L Summa	8.0	-26	-4	TO-15	5.0	<0.66	<0.49	<0.49	<0.31	**0.74**	
	IA-4	IA-4 (2518):A022824	02/28/24	Indoor Air	6L Summa	8.0	-27.5	-5	TO-15 SIM	1.0	<0.14	<0.10	<0.51	<0.033	**0.42**	**0.14**
	IA-4	Dup-2 (2518):A022824	02/28/24	Indoor Air	6L Summa	8.0	-28	-2	TO-15 SIM	0.48	<0.14	<0.10	<0.50	<0.032	**0.43**	**0.14**
	SS-4	SS-4 (2518): A022824	02/28/18	Sub-slab	6L Summa	8.0	-29.5	-5	TO-15	12	<0.69	<0.51	<0.51	<0.33	0.67	**7.2**
Outdoor Air																
October 2012	Outdoor	AMB-1	10/24/12	Outdoor Air	6L Summa	NA	-30+	-5.0	TO-15	0.68	<0.17	<0.12	<0.61	<0.040	**0.81**	NT
April 2013	Outdoor	AMB-01-20130410	04/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.26	<0.17	<0.12	<0.63	<0.040	**0.75**	NA
May 2013	Outdoor	AMB-01-20130530	05/30/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	<0.22	<0.18	<0.13	<0.66	<0.042	0.30	NA
June 2017	Outdoor	OA:A062917	06/29/17	Outdoor Air	6L Summa	6.1	-27	-2.0	TO-15	1.2	<0.21	<0.18	<0.29	<0.15	**0.44**	<0.14
February 2018	Outdoor	OA2516:A022818	02/28/18	Outdoor Air	6L Summa	8.0	-30	-3.0	TO-15	0.42	<0.076	<0.056	<0.056	<0.036	**0.87**	**0.14**
January 2020	Outdoor	OA2516:A012720	01/27/20	Outdoor Air	6L Summa	8.0	-29.5	-6.0	TO-15	1.3	0.087	<0.062	<0.062	0.042	**2.5**	**0.50**
October 2021	OA1	OA1:A100421	10/24/21	Oudoor Air	6L Summa	8.0	-30	-7.5	TO-15	0.18	<0.079	<0.12	<0.12	<0.037	**0.44**	
March 2023	OA-1	OA1:A031123	03/11/23	Outdoor Air	6L Summa	8.0	-28	-6.0	TO-15 SIM	0.26	<0.14	<0.10	<0.52	<0.033	**0.51**	
February 2024	OA-1	OA1:A022824	02/28/24	Outdoor Air	6L Summa	8.0	-29	-4	TO-15 SIM	0.24	<0.14	<0.10	12	<.032	**0.44**	

Notes:

1. All air analytical results are presented in micrograms per cubic meter (ug/m3).

2. All results are displayed for tetrachloroethene and its daughter compounds: trichloroethene, cis-1,2-dicloroethene, trans-1,2-dichloroethene and vinyl chloride. The other compounds presented contain at least one sample that was detected at a concentration greater than the applicable cleanup/screening level during the most recent sample collection event.

3. A bold font style indicates that the concentration exceeds the applicable Method B Screening Level, and a bold underlined font style indicates that the concentration exceeds the applicable Method C Screening Level. For carcinogens, the Cancer Screening Level is used. For non-carcinogens, the Noncancer Screening Level is used.

4. NT = Not Tested

5. NA = Not Available

Figures

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LEGEND

- Monitoring Well
- Injection Well
- Soil Vapor Extraction Well
- Vapor Monitoring Point
- Abandoned Injection Well
- Abandoned Soil Vapor Extraction Well
- Abandoned Vapor Monitoring Point
- Underground Sanitary Sewer Line (SS)
- Underground Water Line (W)
- Underground Natural Gas Line (G)
- Overhead Electric Line (OH)
- Utility Pole
- Tree
- Former Building Location
- Vapor Intrusion Assessment Location

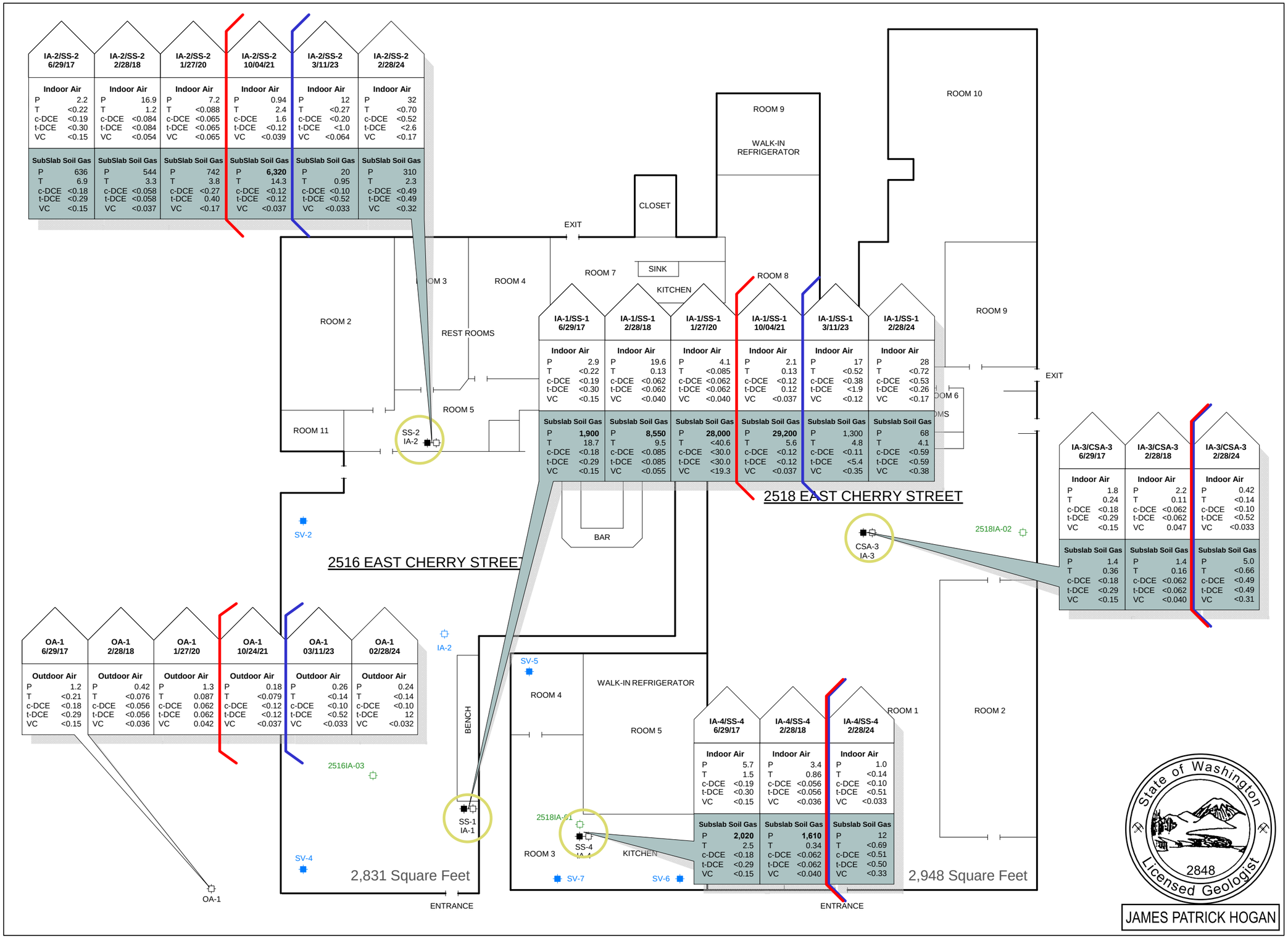
Notes:

N

0 30 60

Figure No: 1
Title: Site Map
Scale: 1" = 60'
Project No: WAKS2510C22.10
Report: VIA Report
Drawn by: The ELAM Group
Date: 06/12/2024

State of Washington
2848
Licensed Geologist
JAMES PATRICK HOGAN



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LEGEND

- Air Sampling Point
- Subslab/Crawl Space Soil Gas Sampling Point
- Air Sampling Point (2012)
- Subslab/Crawl Space Soil Gas Sampling Point (2012)
- Air Sampling Point (2013)
- Sample collected after soil treatment at Cherry Street Cleaners facility in June 2021
- Sample collected after operation of Ozone Injection Treatment System began in November 2022
- Paired IA/SS Sampling Location

Notes:

1. Analytical results are presented in micrograms/cubic meter (ug/m^3)
2. Any analytical result that exceeds an applicable Commercial MTCA Method C Screening Level is shown in **bold** font style
3. Samples were analyzed for the full VOC list. Only PCE and its daughter products are shown

P	Tetrachloroethylene (PCE)
T	Trichloroethylene (TCE)
c-DCE	cis-1,2-Dichloroethane
t-DCE	trans-1,2-Dichloroethane
VC	Vinyl Chloride

N

0 5 10 feet

Figure No: 2	
Title:	VIA Sample Results (2516 and 2518 E Cherry St)
Scale: 1" = 10'	
Project No: WAKS2510C22.10	
Report: VIA Report	
Drawn by: The ELAM Group	
Date: 05/31/2024	

Attachment A

Chemical Inventories

Attachment A.1

Chemical Inventory - 2516 E Cherry St

Chemical Inventory

Page 1 of ____

Building Name/Address: 2516 E Cherry St

Date: 2/26/24

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Auto-Chlor Glass + Hard Surface Cleaner (XZ)	24oz Plastic	Kitchen - storage	N	N
G.O.K. Grill + Oven Kleen	1-gal Plastic		N	N
Pine Sol MS Cleaner	32oz Plastic		N	N
~~Window Cleaner~~				
X Press Stainless Steel Polish	1 Qt / Plastic		N	N
Terro Ant Bait	4 oz Plastic / 12pk Box		N	N
Green Kleen GK-4 Floor Cleaner	2.5 Qt / Plastic		N	N
Green Kleen Enviro SOAK	2.5 Qt / Plastic		N	N
Spray Scents	7oz / Aerosol		N	N
Solution QA Sanitizer	24 oz / Plastic		N	N
Drano - 2 Pack (XZ)	48oz / Plastic		N	N
Deep Fat Fryer Cleaner	128oz / Plastic		N	N
D-Grease	1gal / Plastic		N	N
101 Bleach	1gal / Plastic		N	N
IRIS Anti Microbial Hand Soap	1gal / Plastic		N	N
Black Flg, Ant + Roach Killer	18oz / Aerosol		N	N
Goof Off - Graffiti Remover	18oz / Aerosol		N	N
Simply Valve Dish Detergent	1gal / Plastic		N	N
Auto Chlor Mach Enviro Rx X 3	1gal / Plastic	Dishwasher	N	N
Auto Chlor Super 8	1gal / Plastic		N	N
Low Temp Rinse Aid	1gal / Plastic		N	N

Attachment A.2

Chemical Inventory - 2518 E Cherry St

Chemical Inventory

Building Name/Address: 2518 E Cherry St, Seattle, WA

Date: 2/26/24

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Mira Cote - Color Bond Paint	5gal / Plastic	SW Room	N	N

Attachment B

Summa Canister Air Sampling Forms

Attachment B.1

Summa Canister Air Sampling Form -

2516 E Cherry St

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: WA Ks 2516 C, 22.9

SAMPLING ADDRESS: 2516 E Cherry St, Seattle, WA

SAMPLING EVENT (circle one): SUMMERTIME (WINTERTIME)

TEMPERATURE (F): 45 BAROMETRIC PRESSURE: 29.69 PRECIPITATION (circle one): Y N

WIND DIRECTION (circle one): (N) NE E SE S SW W NW

SAMPLING PERSONNEL ID & AFFILIATION: R. Stec / The ELAM Group

SAMPLING INFORMATION

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-1 (2516) A: 022824	27318	25597	SHUT IN TEST	2/28/24	0656	-27
			INITIAL	2/28/24	0946	-27
					1121	-21.5
					1231	-17
			FINAL		1605	-5

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	Air	24 hour
1 L	(TO-15)	(SGss)	(8 hour)
(6 L)	TO-15 SIM	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA-1 (2516) A: 022824	3575	25825	SHUT IN TEST	2/28/24	0948	-28
			INITIAL	2/28/24	0958	-28
					1121	-19.5
					1231	-17.5
					1602	-7
			FINAL		1705	-4

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	(Air)	24 hour
1 L	TO-15	SGss	(8 hour)
(6 L)	(TO-15 SIM)	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-2 (2516) A: 022824	0485	25341	SHUT IN TEST	2/28/24	1005	-28.5
			INITIAL	2/28/24	1011	-28.5
					1123	-24
					1233	-21
					1607	-10
					1703	-7
			FINAL		1811	-4

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	Air	24 hour
1 L	(TO-15)	SGss	8 hour
(6 L)	TO-15 SIM	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA-2 (2516) A: 022824	00376	26758	SHUT IN TEST	2/28/24	1007	-28
			INITIAL	2/28/24	1015	-28
					1127	-27
					1235	-25
					1606	-13
					1704	-10
			FINAL		1812	-4

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	(Air)	24 hour
1 L	TO-15	SGss	(8 hour)
(6 L)	(TO-15 SIM)	SGe	200 ml/min

(1) Pressure reading recording guidelines for various time-weighted average (TWA) valves:

a. 24-hour TWA: Initial, Hour 1, Hour 2, Hour 22, Hour 23, and Final

b. 8-hour TWA: Initial, Hour 1, Hour 2, Hour 6, Hour 7, and Final

b. 200 mL/min: Initial and Final (5 min for 1 L, and 30 min for 6 L)

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: WAKS 2510C, 22.9

SAMPLING ADDRESS: 2516 E Cherry St Seattle, WA

SAMPLING EVENT (circle one): SUMMERTIME (WINTERTIME)

TEMPERATURE (F): 45 BAROMETRIC PRESSURE: 29.69 PRECIPITATION (circle one): Y N

WIND DIRECTION (circle one): (N) NE E SE S SW W NW

SAMPLING PERSONNEL ID & AFFILIATION: R. Storer, The ELAM Group

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
Dup-1 (2516): A022824		27318	27146	SHUT IN TEST	2/28/24	1010	-29
				INITIAL	2/28/24	1016	-29
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)			1122	-26
						1235	-22
400 mL	TO-14A	Air	24 hour			1606	-16
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL		1705	-5

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
OA-1: A022824		3573	27158	SHUT IN TEST	2/28/24	1025	-29
				INITIAL	2/28/24	1035	-29
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)			1128	-26
						1235	-23
400 mL	TO-14A	Air	24 hour			1605	-16
1 L	TO-15	SGss	8 hour			1705	-7
6 L	TO-15 SIM	SGe	200 ml/min	FINAL		1834	-4

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				SHUT IN TEST			
				INITIAL			
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)				
400 mL	TO-14A	Air	24 hour				
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL			

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				SHUT IN TEST			
				INITIAL			
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)				
400 mL	TO-14A	Air	24 hour				
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL			

(1) Pressure reading recording guidelines for various time-weighted average (TWA) valves:

a. 24-hour TWA: Initial, Hour 1, Hour 2, Hour 22, Hour 23, and Final

b. 8-hour TWA: Initial, Hour 1, Hour 2, Hour 6, Hour 7, and Final

b. 200 mL/min: Initial and Final (5 min for 1 L, and 30 min for 6 L)

Attachment B.2

Summa Canister Air Sampling Form -

2518 E Cherry St

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: WAKS 2510 C, 22.9

SAMPLING ADDRESS: 2518 E Cherry St, Seattle, WA

SAMPLING EVENT (circle one): SUMMERTIME (WINTERTIME)

TEMPERATURE (F): 45 BAROMETRIC PRESSURE: 29.69 PRECIPITATION (circle one): (Y) N

WIND DIRECTION (circle one): (N) NE E SE S SW W NW

SAMPLING PERSONNEL ID & AFFILIATION: R. Stone, The ELAM Group

SAMPLING INFORMATION

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-4 (2518) A: 022824	3574	27161	SHUT IN TEST	2/28/24	1045	-29.5
			INITIAL	2/28/24	1104	-29.5
			1		1207	-27
			2		1303	-24
			6		1708	-7
			7			
			FINAL		1801	-5

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	Air	24 hour
1 L	(TO-15)	(SGss)	(8 hour)
(6 L)	TO-15 SIM	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA-4 (2518) A: 022824	3586	27163	SHUT IN TEST	2/28/24	1049	-27.5
			INITIAL	2/28/24	1108	-27.5
			1		1202	-26
			2		1303	-23
			6		1706	-8
			7			
			FINAL		1806	-5

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	(Air)	24 hour
1 L	TO-15	SGss	(8 hour)
(6 L)	(TO-15 SIM)	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-3 (2518) A: 022824	2295	24342	SHUT IN TEST	2/28/24	1051	-30
			INITIAL	2/28/24	1110	-30
					1204	-28
					1303	-25
					1707	-10
					1803	-6
			FINAL		1841	-4

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	Air	24 hour
1 L	(TO-15)	(SGss)	(8 hour)
(6 L)	TO-15 SIM	SGe	200 ml/min

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA-3 (2518) A: 022824	2270	27122	SHUT IN TEST	2/28/24	1055	-28
			INITIAL	2/28/24	1113	-28
					1205	-26
					1305	-23
					1707	-7.5
			FINAL		1865	-4

TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)
400 mL	TO-14A	(Air)	24 hour
1 L	TO-15	SGss	(8 hour)
(6 L)	(TO-15 SIM)	SGe	200 ml/min

(1) Pressure reading recording guidelines for various time-weighted average (TWA) valves:

a. 24-hour TWA: Initial, Hour 1, Hour 2, Hour 22, Hour 23, and Final

b. 8-hour TWA: Initial, Hour 1, Hour 2, Hour 6, Hour 7, and Final

b. 200 mL/min: Initial and Final (5 min for 1 L, and 30 min for 6 L)

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: WAKS 2510C, 22.9

SAMPLING ADDRESS: 2518 E Cherry St, Seattle, WA

SAMPLING EVENT (circle one): SUMMERTIME WINTERTIME (circled: WINTERTIME)

TEMPERATURE (F): 45 BAROMETRIC PRESSURE: 29.69 PRECIPITATION (circle one): Y N

WIND DIRECTION (circle one): N NE E SE S SW W NW (circled: N)

SAMPLING PERSONNEL ID & AFFILIATION: R. Stoer/ELAM

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
(IA-3) Dup-2: A022924		1893	25834	SHUT IN TEST	2/28/24	1658	-28
				INITIAL	2/28/24	1114	-28
TYPE	METHOD	SOURCE	VALVE		↓	1205	-26
(circle one)	(circle one)	(circle one)	(circle one)			1305	-23
400 mL	TO-14A	Air (circled)	24 hour			1705	-6
1 L	TO-15	SGss	8 hour (circled)				
6 L (circled)	TO-15 SIM (circled)	SGe	200 ml/min	FINAL	↓	1807	-2

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				SHUT IN TEST			
				INITIAL			
TYPE	METHOD	SOURCE	VALVE				
(circle one)	(circle one)	(circle one)	(circle one)				
400 mL	TO-14A	Air	24 hour				
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL			

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				SHUT IN TEST			
				INITIAL			
TYPE	METHOD	SOURCE	VALVE				
(circle one)	(circle one)	(circle one)	(circle one)				
400 mL	TO-14A	Air	24 hour				
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL			

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				SHUT IN TEST			
				INITIAL			
TYPE	METHOD	SOURCE	VALVE				
(circle one)	(circle one)	(circle one)	(circle one)				
400 mL	TO-14A	Air	24 hour				
1 L	TO-15	SGss	8 hour				
6 L	TO-15 SIM	SGe	200 ml/min	FINAL			

(1) Pressure reading recording guidelines for various time-weighted average (TWA) valves:

a. 24-hour TWA: Initial, Hour 1, Hour 2, Hour 22, Hour 23, and Final

b. 8-hour TWA: Initial, Hour 1, Hour 2, Hour 6, Hour 7, and Final

b. 200 mL/min: Initial and Final (5 min for 1 L, and 30 min for 6 L)

Attachment C

Laboratory Analytical Reports

Attachment C.1

Laboratory Analytical Report

for IA at 2516 E Cherry St

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3/21/2024
Mr. Chris Sloffer
The ELAM Group
161 Lakeview Drive
Ste B
Noblesville IN 46060

Project Name: Cherry Cleaners
Project #: WAKS 2510C, 22.9
Workorder #: 2403201A

Dear Mr. Chris Sloffer

The following report includes the data for the above referenced project for sample(s) received on 3/4/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified 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

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WORK ORDER #: 2403201A

Work Order Summary

CLIENT:	Mr. Chris Sloffer The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060	**BILL TO:**	Ms. Accounts Payable The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060
PHONE:	888-510-3526	**P.O. #**	2516
FAX:		**PROJECT #**	WAKS 2510C, 22.9 Cherry Cleaners
DATE RECEIVED:	03/04/2024	**CONTACT:**	Jade White
DATE COMPLETED:	03/21/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IA-1 (2516) A:022824	Modified TO-15	4.5 "Hg	2 psi
01B	IA-1 (2516) A:022824	Modified TO-15	4.5 "Hg	2 psi
02A	IA-2 (2516) A:022824	Modified TO-15	4.0 "Hg	2 psi
02B	IA-2 (2516) A:022824	Modified TO-15	4.0 "Hg	2 psi
05A	Dup-1 (2516) A:022824	Modified TO-15	4.5 "Hg	2 psi
05B	Dup-1 (2516) A:022824	Modified TO-15	4.5 "Hg	2 psi
06A	OA-1 A:022824	Modified TO-15	3.0 "Hg	2 psi
06B	OA-1 A:022824	Modified TO-15	3.0 "Hg	2 psi
07A	Lab Blank	Modified TO-15	NA	NA
07B	Lab Blank	Modified TO-15	NA	NA
07C	Lab Blank	Modified TO-15	NA	NA
07D	Lab Blank	Modified TO-15	NA	NA
08A	CCV	Modified TO-15	NA	NA
08B	CCV	Modified TO-15	NA	NA
08C	CCV	Modified TO-15	NA	NA
08D	CCV	Modified TO-15	NA	NA
09A	LCS	Modified TO-15	NA	NA
09AA	LCSD	Modified TO-15	NA	NA
09B	LCS	Modified TO-15	NA	NA
09BB	LCSD	Modified TO-15	NA	NA
09C	LCS	Modified TO-15	NA	NA
09CC	LCSD	Modified TO-15	NA	NA
09D	LCS	Modified TO-15	NA	NA

Continued on next page

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WORK ORDER #: 2403201A

Work Order Summary

CLIENT:	Mr. Chris Sloffer The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060	**BILL TO:**	Ms. Accounts Payable The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060
PHONE:	888-510-3526	**P.O. #**	2516
FAX:		**PROJECT #**	WAKS 2510C, 22.9 Cherry Cleaners
DATE RECEIVED:	03/04/2024	**CONTACT:**	Jade White
DATE COMPLETED:	03/21/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
09DD	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 03/21/24

Technical Director

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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LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
The ELAM Group
Workorder# 2403201A

Four 6 Liter Summa Canister (100% SIM Ambient) samples were received on March 04, 2024. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples IA-2 (2516) A:022824 and Dup-1 (2516) A:022824 did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

The Chain of Custody (COC) information for sample Dup-1 (2516) A:022824 did not match the information on the canister with regard to canister barcode. The sample labeled 27318 on the COC is labeled as 6L3524 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

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. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reporting limit for Ethanol was raised from 2.0ppbv to 6.5ppbv due to anomalous linearity in the Initial Calibration.

Dilution was performed on samples IA-1 (2516) A:022824, IA-2 (2516) A:022824 and Dup-1 (2516) A:022824 due to the presence of high level target species.

Definition of Data Qualifying Flags

Nine 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.

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

N - The identification is based on presumptive evidence.

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

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

Client Sample ID: IA-1 (2516) A:022824

Lab ID#: 2403201A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	43	1000 E	82	2000 E
Acetone	13	23	32	55

Client Sample ID: IA-1 (2516) A:022824

Lab ID#: 2403201A-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.33	0.39	1.6	1.9
Tetrachloroethene	0.13	4.1	0.91	28

Client Sample ID: IA-2 (2516) A:022824

Lab ID#: 2403201A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	42	2200 E	80	4200 E

Client Sample ID: IA-2 (2516) A:022824

Lab ID#: 2403201A-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.33	0.40	1.6	2.0
Chloroform	0.13	0.16	0.64	0.81
Toluene	0.33	0.33	1.2	1.2
Tetrachloroethene	0.13	4.6	0.89	32

Client Sample ID: Dup-1 (2516) A:022824

Lab ID#: 2403201A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	22	1000 E	41	1900 E

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

Client Sample ID: Dup-1 (2516) A:022824

Lab ID#: 2403201A-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.39	0.82	1.9
Chloroform	0.067	0.12	0.33	0.57
Benzene	0.17	0.25	0.53	0.80
Toluene	0.17	0.28	0.63	1.0
Tetrachloroethene	0.067	4.2	0.45	28
m,p-Xylene	0.13	0.17	0.58	0.76
o-Xylene	0.067	0.071	0.29	0.31

Client Sample ID: OA-1 A:022824

Lab ID#: 2403201A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.13	0.21	0.71	1.2
Acetone	2.5	27 J0	6.0	64 J0
2-Butanone (Methyl Ethyl Ketone)	0.63	1.5	1.8	4.4

Client Sample ID: OA-1 A:022824

Lab ID#: 2403201A-06B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.063	0.39	0.31	1.9
trans-1,2-Dichloroethene	0.13	3.0	0.50	12
Carbon Tetrachloride	0.025	0.061	0.16	0.38
Benzene	0.063	0.14	0.20	0.44
Toluene	0.063	0.22	0.24	0.82
Tetrachloroethene	0.025	0.036	0.17	0.24
Ethyl Benzene	0.025	0.036	0.11	0.15
m,p-Xylene	0.050	0.12	0.22	0.54
o-Xylene	0.025	0.048	0.11	0.21

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Client Sample ID: IA-1 (2516) A:022824

Lab ID#: 2403201A-01A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031816**	**Date of Collection: 2/28/24 5:05:00 PM**	
Dil. Factor:	**6.68**	**Date of Analysis: 3/18/24 07:36 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.67	Not Detected	1.5	Not Detected
Bromomethane	33	Not Detected	130	Not Detected
Freon 11	0.67	Not Detected	3.8	Not Detected
Ethanol	43	1000 E	82	2000 E
Freon 113	0.67	Not Detected	5.1	Not Detected
Acetone	13	23	32	55
2-Propanol	13	Not Detected	33	Not Detected
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	1.3	Not Detected	4.6	Not Detected
Hexane	3.3	Not Detected	12	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.8	Not Detected
Tetrahydrofuran	3.3	Not Detected	9.8	Not Detected
Cyclohexane	3.3	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	3.3	Not Detected	16	Not Detected
Heptane	3.3	Not Detected	14	Not Detected
1,2-Dichloropropane	0.67	Not Detected	3.1	Not Detected
1,4-Dioxane	0.67	Not Detected	2.4	Not Detected
Bromodichloromethane	0.67	Not Detected	4.5	Not Detected
cis-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.67	Not Detected	2.7	Not Detected
trans-1,3-Dichloropropene	0.67	Not Detected	3.0	Not Detected
2-Hexanone	3.3	Not Detected	14	Not Detected
Dibromochloromethane	0.67	Not Detected	5.7	Not Detected
Chlorobenzene	0.67	Not Detected	3.1	Not Detected
Styrene	0.67	Not Detected	2.8	Not Detected
Bromoform	0.67	Not Detected	6.9	Not Detected
Cumene	0.67	Not Detected	3.3	Not Detected
Propylbenzene	0.67	Not Detected	3.3	Not Detected
4-Ethyltoluene	0.67	Not Detected	3.3	Not Detected
1,3,5-Trimethylbenzene	0.67	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.67	Not Detected	3.3	Not Detected
1,3-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.67	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.67	Not Detected	4.0	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	25	Not Detected
Hexachlorobutadiene	3.3	Not Detected	36	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits

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Client Sample ID: IA-1 (2516) A:022824

Lab ID#: 2403201A-01A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031816**	**Date of Collection: 2/28/24 5:05:00 PM**	
Dil. Factor:	**6.68**	**Date of Analysis: 3/18/24 07:36 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: IA-1 (2516) A:022824

Lab ID#: 2403201A-01B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031816sim**	**Date of Collection: 2/28/24 5:05:00 PM**	
Dil. Factor:	**6.68**	**Date of Analysis: 3/18/24 07:36 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.33	0.39	1.6	1.9
Freon 114	0.13	Not Detected	0.93	Not Detected
Chloromethane	3.3	Not Detected UJ	6.9	Not Detected UJ
Vinyl Chloride	0.067	Not Detected	0.17	Not Detected
Chloroethane	0.33	Not Detected	0.88	Not Detected
1,1-Dichloroethene	0.067	Not Detected	0.26	Not Detected
trans-1,2-Dichloroethene	0.67	Not Detected	2.6	Not Detected
Methyl tert-butyl ether	0.67	Not Detected	2.4	Not Detected
1,1-Dichloroethane	0.13	Not Detected	0.54	Not Detected
cis-1,2-Dichloroethene	0.13	Not Detected	0.53	Not Detected
Chloroform	0.13	Not Detected	0.65	Not Detected
1,1,1-Trichloroethane	0.13	Not Detected	0.73	Not Detected
Carbon Tetrachloride	0.13	Not Detected	0.84	Not Detected
Benzene	0.33	Not Detected	1.1	Not Detected
1,2-Dichloroethane	0.13	Not Detected	0.54	Not Detected
Trichloroethene	0.13	Not Detected	0.72	Not Detected
Toluene	0.33	Not Detected	1.2	Not Detected
1,1,2-Trichloroethane	0.13	Not Detected	0.73	Not Detected
Tetrachloroethene	0.13	4.1	0.91	28
1,2-Dibromoethane (EDB)	0.13	Not Detected	1.0	Not Detected
Ethyl Benzene	0.13	Not Detected	0.58	Not Detected
m,p-Xylene	0.27	Not Detected	1.2	Not Detected
o-Xylene	0.13	Not Detected	0.58	Not Detected
1,1,2,2-Tetrachloroethane	0.13	Not Detected	0.92	Not Detected
1,4-Dichlorobenzene	0.13	Not Detected	0.80	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: IA-2 (2516) A:022824

Lab ID#: 2403201A-02A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031817**	**Date of Collection: 2/28/24 6:12:00 PM**	
Dil. Factor:	**6.55**	**Date of Analysis: 3/18/24 08:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.66	Not Detected	1.4	Not Detected
Bromomethane	33	Not Detected	130	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	42	2200 E	80	4200 E
Freon 113	0.66	Not Detected	5.0	Not Detected
Acetone	13	Not Detected	31	Not Detected
2-Propanol	13	Not Detected	32	Not Detected
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	1.3	Not Detected	4.6	Not Detected
Hexane	3.3	Not Detected	12	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.6	Not Detected
Tetrahydrofuran	3.3	Not Detected	9.6	Not Detected
Cyclohexane	3.3	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	3.3	Not Detected	15	Not Detected
Heptane	3.3	Not Detected	13	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.0	Not Detected
1,4-Dioxane	0.66	Not Detected	2.4	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
2-Hexanone	3.3	Not Detected	13	Not Detected
Dibromochloromethane	0.66	Not Detected	5.6	Not Detected
Chlorobenzene	0.66	Not Detected	3.0	Not Detected
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.8	Not Detected
Cumene	0.66	Not Detected	3.2	Not Detected
Propylbenzene	0.66	Not Detected	3.2	Not Detected
4-Ethyltoluene	0.66	Not Detected	3.2	Not Detected
1,3,5-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,2,4-Trimethylbenzene	0.66	Not Detected	3.2	Not Detected
1,3-Dichlorobenzene	0.66	Not Detected	3.9	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	3.9	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits

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Client Sample ID: IA-2 (2516) A:022824

Lab ID#: 2403201A-02A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031817**	**Date of Collection: 2/28/24 6:12:00 PM**	
Dil. Factor:	**6.55**	**Date of Analysis: 3/18/24 08:31 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: IA-2 (2516) A:022824

Lab ID#: 2403201A-02B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031817sim**	**Date of Collection: 2/28/24 6:12:00 PM**	
Dil. Factor:	**6.55**	**Date of Analysis: 3/18/24 08:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.33	0.40	1.6	2.0
Freon 114	0.13	Not Detected	0.92	Not Detected
Chloromethane	3.3	Not Detected UJ	6.8	Not Detected UJ
Vinyl Chloride	0.066	Not Detected	0.17	Not Detected
Chloroethane	0.33	Not Detected	0.86	Not Detected
1,1-Dichloroethene	0.066	Not Detected	0.26	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Methyl tert-butyl ether	0.66	Not Detected	2.4	Not Detected
1,1-Dichloroethane	0.13	Not Detected	0.53	Not Detected
cis-1,2-Dichloroethene	0.13	Not Detected	0.52	Not Detected
Chloroform	0.13	0.16	0.64	0.81
1,1,1-Trichloroethane	0.13	Not Detected	0.71	Not Detected
Carbon Tetrachloride	0.13	Not Detected	0.82	Not Detected
Benzene	0.33	Not Detected	1.0	Not Detected
1,2-Dichloroethane	0.13	Not Detected	0.53	Not Detected
Trichloroethene	0.13	Not Detected	0.70	Not Detected
Toluene	0.33	0.33	1.2	1.2
1,1,2-Trichloroethane	0.13	Not Detected	0.71	Not Detected
Tetrachloroethene	0.13	4.6	0.89	32
1,2-Dibromoethane (EDB)	0.13	Not Detected	1.0	Not Detected
Ethyl Benzene	0.13	Not Detected	0.57	Not Detected
m,p-Xylene	0.26	Not Detected	1.1	Not Detected
o-Xylene	0.13	Not Detected	0.57	Not Detected
1,1,2,2-Tetrachloroethane	0.13	Not Detected	0.90	Not Detected
1,4-Dichlorobenzene	0.13	Not Detected	0.79	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	108	70-130

eurofins | Air Toxics

Client Sample ID: Dup-1 (2516) A:022824

Lab ID#: 2403201A-05A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031818**	**Date of Collection:**	**2/28/24 5:05:00 PM**
Dil. Factor:	**3.34**	**Date of Analysis:**	**3/18/24 09:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.33	Not Detected	0.74	Not Detected
Bromomethane	17	Not Detected	65	Not Detected
Freon 11	0.33	Not Detected	1.9	Not Detected
Ethanol	22	1000 E	41	1900 E
Freon 113	0.33	Not Detected	2.6	Not Detected
Acetone	6.7	Not Detected	16	Not Detected
2-Propanol	6.7	Not Detected	16	Not Detected
Carbon Disulfide	1.7	Not Detected	5.2	Not Detected
3-Chloropropene	1.7	Not Detected	5.2	Not Detected
Methylene Chloride	0.67	Not Detected	2.3	Not Detected
Hexane	1.7	Not Detected	5.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.7	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.7	Not Detected	4.9	Not Detected
Cyclohexane	1.7	Not Detected	5.7	Not Detected
2,2,4-Trimethylpentane	1.7	Not Detected	7.8	Not Detected
Heptane	1.7	Not Detected	6.8	Not Detected
1,2-Dichloropropane	0.33	Not Detected	1.5	Not Detected
1,4-Dioxane	0.33	Not Detected	1.2	Not Detected
Bromodichloromethane	0.33	Not Detected	2.2	Not Detected
cis-1,3-Dichloropropene	0.33	Not Detected	1.5	Not Detected
4-Methyl-2-pentanone	0.33	Not Detected	1.4	Not Detected
trans-1,3-Dichloropropene	0.33	Not Detected	1.5	Not Detected
2-Hexanone	1.7	Not Detected	6.8	Not Detected
Dibromochloromethane	0.33	Not Detected	2.8	Not Detected
Chlorobenzene	0.33	Not Detected	1.5	Not Detected
Styrene	0.33	Not Detected	1.4	Not Detected
Bromoform	0.33	Not Detected	3.4	Not Detected
Cumene	0.33	Not Detected	1.6	Not Detected
Propylbenzene	0.33	Not Detected	1.6	Not Detected
4-Ethyltoluene	0.33	Not Detected	1.6	Not Detected
1,3,5-Trimethylbenzene	0.33	Not Detected	1.6	Not Detected
1,2,4-Trimethylbenzene	0.33	Not Detected	1.6	Not Detected
1,3-Dichlorobenzene	0.33	Not Detected	2.0	Not Detected
alpha-Chlorotoluene	0.33	Not Detected	1.7	Not Detected
1,2-Dichlorobenzene	0.33	Not Detected	2.0	Not Detected
1,2,4-Trichlorobenzene	1.7	Not Detected	12	Not Detected
Hexachlorobutadiene	1.7	Not Detected	18	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits

eurofins | Air Toxics

Client Sample ID: Dup-1 (2516) A:022824

Lab ID#: 2403201A-05A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031818**	**Date of Collection: 2/28/24 5:05:00 PM**	
Dil. Factor:	**3.34**	**Date of Analysis: 3/18/24 09:11 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	106	70-130

eurofins | Air Toxics

Client Sample ID: Dup-1 (2516) A:022824

Lab ID#: 2403201A-05B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031818sim**	**Date of Collection:**	**2/28/24 5:05:00 PM**
Dil. Factor:	**3.34**	**Date of Analysis:**	**3/18/24 09:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.39	0.82	1.9
Freon 114	0.067	Not Detected	0.47	Not Detected
Chloromethane	1.7	Not Detected UJ	3.4	Not Detected UJ
Vinyl Chloride	0.033	Not Detected	0.085	Not Detected
Chloroethane	0.17	Not Detected	0.44	Not Detected
1,1-Dichloroethene	0.033	Not Detected	0.13	Not Detected
trans-1,2-Dichloroethene	0.33	Not Detected	1.3	Not Detected
Methyl tert-butyl ether	0.33	Not Detected	1.2	Not Detected
1,1-Dichloroethane	0.067	Not Detected	0.27	Not Detected
cis-1,2-Dichloroethene	0.067	Not Detected	0.26	Not Detected
Chloroform	0.067	0.12	0.33	0.57
1,1,1-Trichloroethane	0.067	Not Detected	0.36	Not Detected
Carbon Tetrachloride	0.067	Not Detected	0.42	Not Detected
Benzene	0.17	0.25	0.53	0.80
1,2-Dichloroethane	0.067	Not Detected	0.27	Not Detected
Trichloroethene	0.067	Not Detected	0.36	Not Detected
Toluene	0.17	0.28	0.63	1.0
1,1,2-Trichloroethane	0.067	Not Detected	0.36	Not Detected
Tetrachloroethene	0.067	4.2	0.45	28
1,2-Dibromoethane (EDB)	0.067	Not Detected	0.51	Not Detected
Ethyl Benzene	0.067	Not Detected	0.29	Not Detected
m,p-Xylene	0.13	0.17	0.58	0.76
o-Xylene	0.067	0.071	0.29	0.31
1,1,2,2-Tetrachloroethane	0.067	Not Detected	0.46	Not Detected
1,4-Dichlorobenzene	0.067	Not Detected	0.40	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	114	70-130

eurofins | Air Toxics

Client Sample ID: OA-1 A:022824

Lab ID#: 2403201A-06A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031914**	**Date of Collection: 2/28/24 6:34:00 PM**	
Dil. Factor:	**1.26**	**Date of Analysis: 3/19/24 08:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.13	Not Detected	0.28	Not Detected
Bromomethane	6.3	Not Detected	24	Not Detected
Freon 11	0.13	0.21	0.71	1.2
Ethanol	8.2	Not Detected UJ	15	Not Detected UJ
Freon 113	0.13	Not Detected	0.96	Not Detected
Acetone	2.5	27 J0	6.0	64 J0
2-Propanol	2.5	Not Detected	6.2	Not Detected
Carbon Disulfide	0.63	Not Detected	2.0	Not Detected
3-Chloropropene	0.63	Not Detected UJ	2.0	Not Detected UJ
Methylene Chloride	0.25	Not Detected	0.88	Not Detected
Hexane	0.63	Not Detected	2.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.63	1.5	1.8	4.4
Tetrahydrofuran	0.63	Not Detected	1.8	Not Detected
Cyclohexane	0.63	Not Detected	2.2	Not Detected
2,2,4-Trimethylpentane	0.63	Not Detected	2.9	Not Detected
Heptane	0.63	Not Detected	2.6	Not Detected
1,2-Dichloropropane	0.13	Not Detected	0.58	Not Detected
1,4-Dioxane	0.13	Not Detected	0.45	Not Detected
Bromodichloromethane	0.13	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.13	Not Detected	0.57	Not Detected
4-Methyl-2-pentanone	0.13	Not Detected	0.52	Not Detected
trans-1,3-Dichloropropene	0.13	Not Detected	0.57	Not Detected
2-Hexanone	0.63	Not Detected	2.6	Not Detected
Dibromochloromethane	0.13	Not Detected	1.1	Not Detected
Chlorobenzene	0.13	Not Detected	0.58	Not Detected
Styrene	0.13	Not Detected	0.54	Not Detected
Bromoform	0.13	Not Detected	1.3	Not Detected
Cumene	0.13	Not Detected	0.62	Not Detected
Propylbenzene	0.13	Not Detected	0.62	Not Detected
4-Ethyltoluene	0.13	Not Detected	0.62	Not Detected
1,3,5-Trimethylbenzene	0.13	Not Detected	0.62	Not Detected
1,2,4-Trimethylbenzene	0.13	Not Detected	0.62	Not Detected
1,3-Dichlorobenzene	0.13	Not Detected	0.76	Not Detected
alpha-Chlorotoluene	0.13	Not Detected	0.65	Not Detected
1,2-Dichlorobenzene	0.13	Not Detected	0.76	Not Detected
1,2,4-Trichlorobenzene	0.63	Not Detected	4.7	Not Detected
Hexachlorobutadiene	0.63	Not Detected	6.7	Not Detected

UJ = Analyte associated with low bias in the CCV.
J0 = Estimated value due to bias in the CCV.
Container Type: 6 Liter Summa Canister (100% SIM Ambient)

eurofins | Air Toxics

Client Sample ID: OA-1 A:022824

Lab ID#: 2403201A-06A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031914**	**Date of Collection: 2/28/24 6:34:00 PM**	
Dil. Factor:	**1.26**	**Date of Analysis: 3/19/24 08:14 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	119	70-130

eurofins | Air Toxics

Client Sample ID: OA-1 A:022824

Lab ID#: 2403201A-06B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031914sim**	**Date of Collection: 2/28/24 6:34:00 PM**	
Dil. Factor:	**1.26**	**Date of Analysis: 3/19/24 08:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.063	0.39	0.31	1.9
Freon 114	0.025	Not Detected	0.18	Not Detected
Chloromethane	0.63	Not Detected UJ	1.3	Not Detected UJ
Vinyl Chloride	0.013	Not Detected	0.032	Not Detected
Chloroethane	0.063	Not Detected	0.17	Not Detected
1,1-Dichloroethene	0.013	Not Detected	0.050	Not Detected
trans-1,2-Dichloroethene	0.13	3.0	0.50	12
Methyl tert-butyl ether	0.13	Not Detected	0.45	Not Detected
1,1-Dichloroethane	0.025	Not Detected	0.10	Not Detected
cis-1,2-Dichloroethene	0.025	Not Detected	0.10	Not Detected
Chloroform	0.025	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.025	Not Detected	0.14	Not Detected
Carbon Tetrachloride	0.025	0.061	0.16	0.38
Benzene	0.063	0.14	0.20	0.44
1,2-Dichloroethane	0.025	Not Detected	0.10	Not Detected
Trichloroethene	0.025	Not Detected	0.14	Not Detected
Toluene	0.063	0.22	0.24	0.82
1,1,2-Trichloroethane	0.025	Not Detected	0.14	Not Detected
Tetrachloroethene	0.025	0.036	0.17	0.24
1,2-Dibromoethane (EDB)	0.025	Not Detected	0.19	Not Detected
Ethyl Benzene	0.025	0.036	0.11	0.15
m,p-Xylene	0.050	0.12	0.22	0.54
o-Xylene	0.025	0.048	0.11	0.21
1,1,2,2-Tetrachloroethane	0.025	Not Detected	0.17	Not Detected
1,4-Dichlorobenzene	0.025	Not Detected	0.15	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	109	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403201A-07A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	6.5	Not Detected	12	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	124	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2403201A-07A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
4-Bromofluorobenzene	109	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403201A-07B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.050	Not Detected	0.25	Not Detected
Freon 114	0.020	Not Detected	0.14	Not Detected
Chloromethane	0.50	Not Detected UJ	1.0	Not Detected UJ
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Chloroethane	0.050	Not Detected	0.13	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.050	Not Detected	0.19	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
1,2-Dibromoethane (EDB)	0.020	Not Detected	0.15	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2403201A-07C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031913c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 07:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	6.5	Not Detected UJ	12	Not Detected UJ
Freon 113	0.10	Not Detected	0.77	Not Detected
Acetone	2.0	Not Detected UJ	4.8	Not Detected UJ
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected UJ	1.6	Not Detected UJ
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits

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Client Sample ID: Lab Blank

Lab ID#: 2403201A-07C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031913c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 07:19 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	120	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403201A-07D

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031913simc**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 07:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.050	Not Detected	0.25	Not Detected
Freon 114	0.020	Not Detected	0.14	Not Detected
Chloromethane	0.50	Not Detected UJ	1.0	Not Detected UJ
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Chloroethane	0.050	Not Detected	0.13	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.050	Not Detected	0.19	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
1,2-Dibromoethane (EDB)	0.020	Not Detected	0.15	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: CCV

Lab ID#: 2403201A-08A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**

Compound	%Recovery
1,3-Butadiene	78
Bromomethane	101
Freon 11	102
Ethanol	73
Freon 113	96
Acetone	77
2-Propanol	81
Carbon Disulfide	96
3-Chloropropene	81
Methylene Chloride	92
Hexane	90
2-Butanone (Methyl Ethyl Ketone)	100
Tetrahydrofuran	83
Cyclohexane	104
2,2,4-Trimethylpentane	95
Heptane	90
1,2-Dichloropropane	88
1,4-Dioxane	108
Bromodichloromethane	105
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	86
trans-1,3-Dichloropropene	98
2-Hexanone	88
Dibromochloromethane	99
Chlorobenzene	96
Styrene	108
Bromoform	102
Cumene	106
Propylbenzene	98
4-Ethyltoluene	100
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	93
alpha-Chlorotoluene	94
1,2-Dichlorobenzene	93
1,2,4-Trichlorobenzene	79
Hexachlorobutadiene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130

Client Sample ID: CCV

Lab ID#: 2403201A-08A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: CCV

Lab ID#: 2403201A-08B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**	

Compound	%Recovery
Freon 12	102
Freon 114	87
Chloromethane	65 Q
Vinyl Chloride	79
Chloroethane	82
1,1-Dichloroethene	90
trans-1,2-Dichloroethene	95
Methyl tert-butyl ether	104
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	96
Chloroform	96
1,1,1-Trichloroethane	100
Carbon Tetrachloride	95
Benzene	95
1,2-Dichloroethane	93
Trichloroethene	93
Toluene	93
1,1,2-Trichloroethane	104
Tetrachloroethene	113
1,2-Dibromoethane (EDB)	106
Ethyl Benzene	108
m,p-Xylene	114
o-Xylene	111
1,1,2,2-Tetrachloroethane	90
1,4-Dichlorobenzene	97

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: CCV

Lab ID#: 2403201A-08C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031906**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 01:22 PM**

Compound	%Recovery
1,3-Butadiene	72
Bromomethane	103
Freon 11	100
Ethanol	64 Q
Freon 113	105
Acetone	69 Q
2-Propanol	71
Carbon Disulfide	85
3-Chloropropene	68 Q
Methylene Chloride	81
Hexane	77
2-Butanone (Methyl Ethyl Ketone)	88
Tetrahydrofuran	70
Cyclohexane	91
2,2,4-Trimethylpentane	79
Heptane	74
1,2-Dichloropropane	78
1,4-Dioxane	98
Bromodichloromethane	94
cis-1,3-Dichloropropene	88
4-Methyl-2-pentanone	76
trans-1,3-Dichloropropene	90
2-Hexanone	78
Dibromochloromethane	97
Chlorobenzene	86
Styrene	100
Bromoform	113
Cumene	99
Propylbenzene	97
4-Ethyltoluene	98
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	97
alpha-Chlorotoluene	82
1,2-Dichlorobenzene	94
1,2,4-Trichlorobenzene	95
Hexachlorobutadiene	124

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits

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Client Sample ID: CCV

Lab ID#: 2403201A-08C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 01:22 PM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	129	70-130

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Client Sample ID: CCV

Lab ID#: 2403201A-08D

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031906sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 01:22 PM**	

Compound	%Recovery
Freon 12	92
Freon 114	97
Chloromethane	64 Q
Vinyl Chloride	82
Chloroethane	85
1,1-Dichloroethene	90
trans-1,2-Dichloroethene	93
Methyl tert-butyl ether	110
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	94
Chloroform	88
1,1,1-Trichloroethane	94
Carbon Tetrachloride	89
Benzene	82
1,2-Dichloroethane	80
Trichloroethene	80
Toluene	86
1,1,2-Trichloroethane	84
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	87
Ethyl Benzene	100
m,p-Xylene	108
o-Xylene	108
1,1,2,2-Tetrachloroethane	73
1,4-Dichlorobenzene	90

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCS

Lab ID#: 2403201A-09A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	78	70-130
Bromomethane	106	70-130
Freon 11	105	70-130
Ethanol	90	70-130
Freon 113	96	70-130
Acetone	82	70-130
2-Propanol	87	70-130
Carbon Disulfide	102	70-130
3-Chloropropene	99	70-130
Methylene Chloride	93	70-130
Hexane	94	70-130
2-Butanone (Methyl Ethyl Ketone)	108	70-130
Tetrahydrofuran	92	70-130
Cyclohexane	111	70-130
2,2,4-Trimethylpentane	97	70-130
Heptane	93	70-130
1,2-Dichloropropane	87	70-130
1,4-Dioxane	105	70-130
Bromodichloromethane	106	70-130
cis-1,3-Dichloropropene	96	70-130
4-Methyl-2-pentanone	86	70-130
trans-1,3-Dichloropropene	102	70-130
2-Hexanone	89	70-130
Dibromochloromethane	100	70-130
Chlorobenzene	96	70-130
Styrene	109	70-130
Bromoform	102	70-130
Cumene	108	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	103	70-130
1,3,5-Trimethylbenzene	102	70-130
1,2,4-Trimethylbenzene	107	70-130
1,3-Dichlorobenzene	94	70-130
alpha-Chlorotoluene	91	70-130
1,2-Dichlorobenzene	90	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130

Client Sample ID: LCS

Lab ID#: 2403201A-09A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09AA

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	74	70-130
Bromomethane	97	70-130
Freon 11	96	70-130
Ethanol	83	70-130
Freon 113	91	70-130
Acetone	81	70-130
2-Propanol	84	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	94	70-130
Methylene Chloride	86	70-130
Hexane	88	70-130
2-Butanone (Methyl Ethyl Ketone)	104	70-130
Tetrahydrofuran	88	70-130
Cyclohexane	104	70-130
2,2,4-Trimethylpentane	86	70-130
Heptane	86	70-130
1,2-Dichloropropane	85	70-130
1,4-Dioxane	108	70-130
Bromodichloromethane	112	70-130
cis-1,3-Dichloropropene	96	70-130
4-Methyl-2-pentanone	84	70-130
trans-1,3-Dichloropropene	109	70-130
2-Hexanone	92	70-130
Dibromochloromethane	105	70-130
Chlorobenzene	97	70-130
Styrene	111	70-130
Bromoform	110	70-130
Cumene	114	70-130
Propylbenzene	107	70-130
4-Ethyltoluene	113	70-130
1,3,5-Trimethylbenzene	113	70-130
1,2,4-Trimethylbenzene	118	70-130
1,3-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	90	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	104	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09AA

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	119	70-130

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Client Sample ID: LCS

Lab ID#: 2403201A-09B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Compound	%Recovery	Method Limits
Freon 12	96	70-130
Freon 114	85	70-130
Chloromethane	63 Q	70-130
Vinyl Chloride	78	70-130
Chloroethane	82	70-130
1,1-Dichloroethene	88	70-130
trans-1,2-Dichloroethene	95	70-130
Methyl tert-butyl ether	106	70-130
1,1-Dichloroethane	86	70-130
cis-1,2-Dichloroethene	97	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	101	70-130
Carbon Tetrachloride	93	60-140
Benzene	94	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	93	70-130
Toluene	90	70-130
1,1,2-Trichloroethane	105	70-130
Tetrachloroethene	113	70-130
1,2-Dibromoethane (EDB)	107	70-130
Ethyl Benzene	110	70-130
m,p-Xylene	114	70-130
o-Xylene	114	70-130
1,1,2,2-Tetrachloroethane	91	70-130
1,4-Dichlorobenzene	95	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	119	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09BB

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Compound	%Recovery	Method Limits
Freon 12	92	70-130
Freon 114	82	70-130
Chloromethane	62 Q	70-130
Vinyl Chloride	76	70-130
Chloroethane	81	70-130
1,1-Dichloroethene	88	70-130
trans-1,2-Dichloroethene	94	70-130
Methyl tert-butyl ether	107	70-130
1,1-Dichloroethane	86	70-130
cis-1,2-Dichloroethene	97	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	101	70-130
Carbon Tetrachloride	93	60-140
Benzene	93	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	93	70-130
Toluene	87	70-130
1,1,2-Trichloroethane	109	70-130
Tetrachloroethene	115	70-130
1,2-Dibromoethane (EDB)	111	70-130
Ethyl Benzene	106	70-130
m,p-Xylene	113	70-130
o-Xylene	116	70-130
1,1,2,2-Tetrachloroethane	98	70-130
1,4-Dichlorobenzene	99	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	121	70-130

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Client Sample ID: LCS

Lab ID#: 2403201A-09C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031907**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 02:44 PM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	72	70-130
Bromomethane	104	70-130
Freon 11	101	70-130
Ethanol	74	70-130
Freon 113	103	70-130
Acetone	74	70-130
2-Propanol	77	70-130
Carbon Disulfide	89	70-130
3-Chloropropene	101	70-130
Methylene Chloride	82	70-130
Hexane	79	70-130
2-Butanone (Methyl Ethyl Ketone)	91	70-130
Tetrahydrofuran	76	70-130
Cyclohexane	93	70-130
2,2,4-Trimethylpentane	80	70-130
Heptane	77	70-130
1,2-Dichloropropane	80	70-130
1,4-Dioxane	102	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	92	70-130
4-Methyl-2-pentanone	78	70-130
trans-1,3-Dichloropropene	98	70-130
2-Hexanone	81	70-130
Dibromochloromethane	102	70-130
Chlorobenzene	89	70-130
Styrene	88	70-130
Bromoform	120	70-130
Cumene	93	70-130
Propylbenzene	94	70-130
4-Ethyltoluene	96	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	102	70-130
1,3-Dichlorobenzene	90	70-130
alpha-Chlorotoluene	70	70-130
1,2-Dichlorobenzene	88	70-130
1,2,4-Trichlorobenzene	93	70-130
Hexachlorobutadiene	130	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130

Client Sample ID: LCS

Lab ID#: 2403201A-09C

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031907**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 02:44 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09CC

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031910**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 04:40 PM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	73	70-130
Bromomethane	102	70-130
Freon 11	101	70-130
Ethanol	81	70-130
Freon 113	103	70-130
Acetone	74	70-130
2-Propanol	79	70-130
Carbon Disulfide	89	70-130
3-Chloropropene	104	70-130
Methylene Chloride	82	70-130
Hexane	79	70-130
2-Butanone (Methyl Ethyl Ketone)	92	70-130
Tetrahydrofuran	77	70-130
Cyclohexane	94	70-130
2,2,4-Trimethylpentane	82	70-130
Heptane	78	70-130
1,2-Dichloropropane	78	70-130
1,4-Dioxane	101	70-130
Bromodichloromethane	95	70-130
cis-1,3-Dichloropropene	91	70-130
4-Methyl-2-pentanone	79	70-130
trans-1,3-Dichloropropene	96	70-130
2-Hexanone	82	70-130
Dibromochloromethane	98	70-130
Chlorobenzene	91	70-130
Styrene	100	70-130
Bromoform	113	70-130
Cumene	100	70-130
Propylbenzene	93	70-130
4-Ethyltoluene	94	70-130
1,3,5-Trimethylbenzene	98	70-130
1,2,4-Trimethylbenzene	100	70-130
1,3-Dichlorobenzene	93	70-130
alpha-Chlorotoluene	80	70-130
1,2-Dichlorobenzene	91	70-130
1,2,4-Trichlorobenzene	92	70-130
Hexachlorobutadiene	126	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09CC

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031910**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 04:40 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	125	70-130

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Client Sample ID: LCS

Lab ID#: 2403201A-09D

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031907sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 02:44 PM**	

Compound	%Recovery	Method Limits
Freon 12	93	70-130
Freon 114	98	70-130
Chloromethane	67 Q	70-130
Vinyl Chloride	84	70-130
Chloroethane	86	70-130
1,1-Dichloroethene	89	70-130
trans-1,2-Dichloroethene	95	70-130
Methyl tert-butyl ether	112	70-130
1,1-Dichloroethane	87	70-130
cis-1,2-Dichloroethene	95	70-130
Chloroform	88	70-130
1,1,1-Trichloroethane	96	70-130
Carbon Tetrachloride	88	60-140
Benzene	84	70-130
1,2-Dichloroethane	84	70-130
Trichloroethene	82	70-130
Toluene	85	70-130
1,1,2-Trichloroethane	88	70-130
Tetrachloroethene	99	70-130
1,2-Dibromoethane (EDB)	90	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	96	70-130
o-Xylene	96	70-130
1,1,2,2-Tetrachloroethane	73	70-130
1,4-Dichlorobenzene	83	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201A-09DD

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031910sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/24 04:40 PM**	

Compound	%Recovery	Method Limits
Freon 12	93	70-130
Freon 114	97	70-130
Chloromethane	66 Q	70-130
Vinyl Chloride	85	70-130
Chloroethane	89	70-130
1,1-Dichloroethene	89	70-130
trans-1,2-Dichloroethene	95	70-130
Methyl tert-butyl ether	115	70-130
1,1-Dichloroethane	88	70-130
cis-1,2-Dichloroethene	96	70-130
Chloroform	89	70-130
1,1,1-Trichloroethane	97	70-130
Carbon Tetrachloride	89	60-140
Benzene	84	70-130
1,2-Dichloroethane	83	70-130
Trichloroethene	82	70-130
Toluene	87	70-130
1,1,2-Trichloroethane	85	70-130
Tetrachloroethene	98	70-130
1,2-Dibromoethane (EDB)	87	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	108	70-130
o-Xylene	109	70-130
1,1,2,2-Tetrachloroethane	70	70-130
1,4-Dichlorobenzene	86	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	111	70-130

Analysis Request / Canister Chain of Custody

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Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Instructions

Workorder #: 2403201

Client: The ELAM Group
Site Name: 2516 E Cherry St, Seattle, WA
Project Manager: Jade, White
Sampler: Radlie Stone

Project Name: ~~WAK~~ Cherry Cleaners
Project #: WAKS 25106, 22.9
PO#: 2516

Turnaround Time (Specify Below)
Standard _____ Rush _____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday.
Requested Date (mm/dd/yy):
OR Number of Days:

Lab ID	Field Sample Identification (Location)	Canister Barcode #	Flow Controller Barcode #	Start Sampling Information		Stop Sampling Information		Requested Analyses				Canister Vacuum/Pressure			
				Date	Time	Date	Time	TO-15 VOCs				Initial (in "Hg)	Final (in "Hg)	Lab Use Only: Receipt (in "Hg)	Lab Use Only: Final (in psi) Gas: N2 / He
01A	IA-1 (2516) A: 022824	3575	25825	2/28/24	0958	2/28/24	1705	X				-28	-4		
02A	IA-2 (2516) A: 022824	08376	26758		1015		~~1707~~ 1812	X				-28	-4		
~~03A~~ 04A	SS-1 (2516) A: 022824	28318	25597		0946		1605	X				-27	-5		
~~04A~~ 03A	SS-2 (2516) A: 022824	0485	25341		1011		1811	X				-28.5	-4		
05A	Dup-1 (2516) A: 022824	27318	27146		1016		1705	X				-29	-5		
06A	OA-1 A: 022824	3573	27158		1035		1834	X				-29	-4		

Special Instructions/Notes:

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
~~Radlie Stone~~ / The ELAM Group	2/29/24	1040	John Sallum / ELAM GROUP	2/29/24	1040
Kelly Sallum / The ELAM GROUP	2/29/24	1400	FedEx	2/29/24	1400
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			SRC EAT	3-4-24	925

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? Yes No (None) | Condition:

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

Attachment C.2

Laboratory Analytical Report

for SGss at 2516 E Cherry St

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3/19/2024
Mr. Chris Sloffer
The ELAM Group
161 Lakeview Drive
Ste B
Noblesville IN 46060

Project Name: Cherry Cleaners
Project #: WAKS 2510C, 22.9
Workorder #: 2403201B

Dear Mr. Chris Sloffer

The following report includes the data for the above referenced project for sample(s) received on 3/4/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified 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

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WORK ORDER #: 2403201B

Work Order Summary

CLIENT:	Mr. Chris Sloffer The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060	**BILL TO:**	Ms. Accounts Payable The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060
PHONE:	888-510-3526	**P.O. #**	2516
FAX:		**PROJECT #**	WAKS 2510C, 22.9 Cherry Cleaners
DATE RECEIVED:	03/04/2024	**CONTACT:**	Jade White
DATE COMPLETED:	03/19/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
03A	SS-1 (2516) A:022824	Modified TO-15	7.3 "Hg	1.9 psi
04A	SS-2 (2516) A:022824	Modified TO-15	2.6 "Hg	1.9 psi
05A	Lab Blank	Modified TO-15	NA	NA
06A	CCV	Modified TO-15	NA	NA
07A	LCS	Modified TO-15	NA	NA
07AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 03/19/24

Technical Director

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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LABORATORY NARRATIVE
Modified TO-15
The ELAM Group
Workorder# 2403201B

Two 6 Liter Summa Canister (100% SIM Ambient) samples were received on March 04, 2024. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Initial Calibration	</=30% RSD with 2 compounds allowed out to < 40% RSD	</=30% RSD with 4 compounds allowed out to < 40% RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

Receiving Notes

The Chain of Custody (COC) information for sample SS-1 (2516) A:022824 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

The Chain of Custody (COC) information for sample SS-1 (2516) A:022824 did not match the information on the canister with regard to canister barcode. The sample labeled 27318 on the COC is labeled as 6L3546 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

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. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The presence of a closely eluting non-target peak in sample SS-2 (2516) A:022824 is interfering with the quantitation mass ion for 4-Ethyltoluene. The reported 4-Ethyltoluene concentration is flagged with a "CN" flag to indicate a high bias due to matrix contribution.

Definition of Data Qualifying Flags

Eight 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.

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

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

Client Sample ID: SS-1 (2516) A:022824

Lab ID#: 2403201B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.74	0.82	3.7	4.0
Freon 11	0.15	0.18	0.84	1.0
Ethanol	3.0	110 E	5.6	210 E
Acetone	3.0	6.0	7.1	14
2-Propanol	3.0	28	7.3	69
2-Butanone (Methyl Ethyl Ketone)	0.74	1.1	2.2	3.2
Chloroform	0.15	1.3	0.73	6.3
Benzene	0.15	0.34	0.48	1.1
Trichloroethene	0.15	0.77	0.80	4.1
Toluene	0.15	1.8	0.56	6.7
Tetrachloroethene	0.15	10	1.0	68
Ethyl Benzene	0.15	0.26	0.65	1.1
m,p-Xylene	0.15	0.97	0.65	4.2
o-Xylene	0.15	0.41	0.65	1.8
1,2,4-Trimethylbenzene	0.15	0.22	0.73	1.1

Client Sample ID: SS-2 (2516) A:022824

Lab ID#: 2403201B-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.12	0.21	0.70	1.2
Ethanol	2.5	48	4.7	91
Acetone	2.5	3.4	5.9	8.0
2-Propanol	2.5	8.1	6.1	20
Carbon Disulfide	0.62	1.1	1.9	3.5
Chloroform	0.12	11	0.60	53
Benzene	0.12	0.16	0.40	0.51
Trichloroethene	0.12	0.42	0.67	2.3
1,4-Dioxane	0.12	0.24	0.45	0.87
Bromodichloromethane	0.12	0.12 J	0.83	0.81 J
Toluene	0.12	1.0	0.47	3.9
Tetrachloroethene	0.12	46	0.84	310
Ethyl Benzene	0.12	0.21	0.54	0.90

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

Client Sample ID: SS-2 (2516) A:022824

Lab ID#: 2403201B-04A

m,p-Xylene	0.12	0.74	0.54	3.2
o-Xylene	0.12	0.32	0.54	1.4
4-Ethyltoluene	0.12	0.22 CN	0.61	1.0 CN
1,2,4-Trimethylbenzene	0.12	0.21	0.61	1.0

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Client Sample ID: SS-1 (2516) A:022824

Lab ID#: 2403201B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031821**	**Date of Collection:**	**2/28/24 4:05:00 PM**
Dil. Factor:	**1.49**	**Date of Analysis:**	**3/19/24 02:22 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.74	0.82	3.7	4.0
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.74	Not Detected	1.5	Not Detected
Vinyl Chloride	0.15	Not Detected	0.38	Not Detected
1,3-Butadiene	0.15	Not Detected	0.33	Not Detected
Bromomethane	7.4	Not Detected	29	Not Detected
Chloroethane	0.74	Not Detected	2.0	Not Detected
Freon 11	0.15	0.18	0.84	1.0
Ethanol	3.0	110 E	5.6	210 E
Freon 113	0.15	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	3.0	6.0	7.1	14
2-Propanol	3.0	28	7.3	69
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
3-Chloropropene	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Hexane	0.74	Not Detected	2.6	Not Detected
1,1-Dichloroethane	0.15	Not Detected	0.60	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.74	1.1	2.2	3.2
cis-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.15	1.3	0.73	6.3
1,1,1-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Cyclohexane	0.74	Not Detected	2.6	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.94	Not Detected
2,2,4-Trimethylpentane	0.74	Not Detected	3.5	Not Detected
Benzene	0.15	0.34	0.48	1.1
1,2-Dichloroethane	0.15	Not Detected	0.60	Not Detected
Heptane	0.74	Not Detected	3.0	Not Detected
Trichloroethene	0.15	0.77	0.80	4.1
1,2-Dichloropropane	0.15	Not Detected	0.69	Not Detected
1,4-Dioxane	0.15	Not Detected	0.54	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
4-Methyl-2-pentanone	0.15	Not Detected	0.61	Not Detected
Toluene	0.15	1.8	0.56	6.7
trans-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Tetrachloroethene	0.15	10	1.0	68
2-Hexanone	0.74	Not Detected	3.0	Not Detected

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Client Sample ID: SS-1 (2516) A:022824

Lab ID#: 2403201B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031821**	**Date of Collection: 2/28/24 4:05:00 PM**	
Dil. Factor:	**1.49**	**Date of Analysis: 3/19/24 02:22 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.1	Not Detected
Chlorobenzene	0.15	Not Detected	0.68	Not Detected
Ethyl Benzene	0.15	0.26	0.65	1.1
m,p-Xylene	0.15	0.97	0.65	4.2
o-Xylene	0.15	0.41	0.65	1.8
Styrene	0.15	Not Detected	0.63	Not Detected
Bromoform	0.15	Not Detected	1.5	Not Detected
Cumene	0.15	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.73	Not Detected
4-Ethyltoluene	0.15	Not Detected	0.73	Not Detected
1,3,5-Trimethylbenzene	0.15	Not Detected	0.73	Not Detected
1,2,4-Trimethylbenzene	0.15	0.22	0.73	1.1
1,3-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.77	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,2,4-Trichlorobenzene	0.74	Not Detected	5.5	Not Detected
Hexachlorobutadiene	0.74	Not Detected	7.9	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	77	70-130

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Client Sample ID: SS-2 (2516) A:022824

Lab ID#: 2403201B-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031822**	**Date of Collection:**	**2/28/24 6:11:00 PM**
Dil. Factor:	**1.24**	**Date of Analysis:**	**3/19/24 03:06 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.62	Not Detected	3.1	Not Detected
Freon 114	0.12	Not Detected	0.87	Not Detected
Chloromethane	0.62	Not Detected	1.3	Not Detected
Vinyl Chloride	0.12	Not Detected	0.32	Not Detected
1,3-Butadiene	0.12	Not Detected	0.27	Not Detected
Bromomethane	6.2	Not Detected	24	Not Detected
Chloroethane	0.62	Not Detected	1.6	Not Detected
Freon 11	0.12	0.21	0.70	1.2
Ethanol	2.5	48	4.7	91
Freon 113	0.12	Not Detected	0.95	Not Detected
1,1-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Acetone	2.5	3.4	5.9	8.0
2-Propanol	2.5	8.1	6.1	20
Carbon Disulfide	0.62	1.1	1.9	3.5
3-Chloropropene	0.62	Not Detected	1.9	Not Detected
Methylene Chloride	0.25	Not Detected	0.86	Not Detected
Methyl tert-butyl ether	0.12	Not Detected	0.45	Not Detected
trans-1,2-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Hexane	0.62	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.12	Not Detected	0.50	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.62	Not Detected	1.8	Not Detected
cis-1,2-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Tetrahydrofuran	0.62	Not Detected	1.8	Not Detected
Chloroform	0.12	11	0.60	53
1,1,1-Trichloroethane	0.12	Not Detected	0.68	Not Detected
Cyclohexane	0.62	Not Detected	2.1	Not Detected
Carbon Tetrachloride	0.12	Not Detected	0.78	Not Detected
2,2,4-Trimethylpentane	0.62	Not Detected	2.9	Not Detected
Benzene	0.12	0.16	0.40	0.51
1,2-Dichloroethane	0.12	Not Detected	0.50	Not Detected
Heptane	0.62	Not Detected	2.5	Not Detected
Trichloroethene	0.12	0.42	0.67	2.3
1,2-Dichloropropane	0.12	Not Detected	0.57	Not Detected
1,4-Dioxane	0.12	0.24	0.45	0.87
Bromodichloromethane	0.12	0.12 J	0.83	0.81 J
cis-1,3-Dichloropropene	0.12	Not Detected	0.56	Not Detected
4-Methyl-2-pentanone	0.12	Not Detected	0.51	Not Detected
Toluene	0.12	1.0	0.47	3.9
trans-1,3-Dichloropropene	0.12	Not Detected	0.56	Not Detected
1,1,2-Trichloroethane	0.12	Not Detected	0.68	Not Detected
Tetrachloroethene	0.12	46	0.84	310
2-Hexanone	0.62	Not Detected	2.5	Not Detected

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Client Sample ID: SS-2 (2516) A:022824

Lab ID#: 2403201B-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031822**	**Date of Collection: 2/28/24 6:11:00 PM**	
Dil. Factor:	**1.24**	**Date of Analysis: 3/19/24 03:06 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.12	Not Detected	1.0	Not Detected
1,2-Dibromoethane (EDB)	0.12	Not Detected	0.95	Not Detected
Chlorobenzene	0.12	Not Detected	0.57	Not Detected
Ethyl Benzene	0.12	0.21	0.54	0.90
m,p-Xylene	0.12	0.74	0.54	3.2
o-Xylene	0.12	0.32	0.54	1.4
Styrene	0.12	Not Detected	0.53	Not Detected
Bromoform	0.12	Not Detected	1.3	Not Detected
Cumene	0.12	Not Detected	0.61	Not Detected
1,1,2,2-Tetrachloroethane	0.12	Not Detected	0.85	Not Detected
Propylbenzene	0.12	Not Detected	0.61	Not Detected
4-Ethyltoluene	0.12	0.22 CN	0.61	1.0 CN
1,3,5-Trimethylbenzene	0.12	Not Detected	0.61	Not Detected
1,2,4-Trimethylbenzene	0.12	0.21	0.61	1.0
1,3-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
1,4-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
alpha-Chlorotoluene	0.12	Not Detected	0.64	Not Detected
1,2-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
1,2,4-Trichlorobenzene	0.62	Not Detected	4.6	Not Detected
Hexachlorobutadiene	0.62	Not Detected	6.6	Not Detected

J = Estimated value.
CN =See Case Narrative explanation

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	87	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2403201B-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031808e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 02:14 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	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.50	Not Detected	1.0	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2403201B-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031808e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	80	70-130

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Client Sample ID: CCV

Lab ID#: 2403201B-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031804**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:22 AM**

Compound	%Recovery
Freon 12	90
Freon 114	78
Chloromethane	98
Vinyl Chloride	101
1,3-Butadiene	102
Bromomethane	80
Chloroethane	95
Freon 11	79
Ethanol	76
Freon 113	83
1,1-Dichloroethene	78
Acetone	85
2-Propanol	71
Carbon Disulfide	92
3-Chloropropene	84
Methylene Chloride	88
Methyl tert-butyl ether	87
trans-1,2-Dichloroethene	84
Hexane	93
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	93
cis-1,2-Dichloroethene	83
Tetrahydrofuran	101
Chloroform	87
1,1,1-Trichloroethane	85
Cyclohexane	98
Carbon Tetrachloride	88
2,2,4-Trimethylpentane	99
Benzene	113
1,2-Dichloroethane	104
Heptane	129
Trichloroethene	108
1,2-Dichloropropane	117
1,4-Dioxane	102
Bromodichloromethane	101
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	116
Toluene	111
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	96
Tetrachloroethene	93
2-Hexanone	105

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Client Sample ID: CCV

Lab ID#: 2403201B-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:22 AM**	

Compound	%Recovery
Dibromochloromethane	102
1,2-Dibromoethane (EDB)	92
Chlorobenzene	97
Ethyl Benzene	102
m,p-Xylene	108
o-Xylene	98
Styrene	113
Bromoform	95
Cumene	103
1,1,2,2-Tetrachloroethane	104
Propylbenzene	107
4-Ethyltoluene	120
1,3,5-Trimethylbenzene	112
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	100
1,2,4-Trichlorobenzene	80
Hexachlorobutadiene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCS

Lab ID#: 2403201B-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:04 PM**	

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	79	70-130
Chloromethane	104	70-130
Vinyl Chloride	108	70-130
1,3-Butadiene	115	70-130
Bromomethane	85	70-130
Chloroethane	103	70-130
Freon 11	82	70-130
Ethanol	114	70-130
Freon 113	82	70-130
1,1-Dichloroethene	81	70-130
Acetone	93	70-130
2-Propanol	85	70-130
Carbon Disulfide	100	70-130
3-Chloropropene	89	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	95	70-130
trans-1,2-Dichloroethene	89	70-130
Hexane	99	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	100	70-130
cis-1,2-Dichloroethene	89	70-130
Tetrahydrofuran	117	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	106	70-130
Carbon Tetrachloride	85	70-130
2,2,4-Trimethylpentane	105	70-130
Benzene	113	70-130
1,2-Dichloroethane	107	70-130
Heptane	131 Q	70-130
Trichloroethene	111	70-130
1,2-Dichloropropane	116	70-130
1,4-Dioxane	106	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	106	70-130
4-Methyl-2-pentanone	121	70-130
Toluene	109	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	97	70-130
2-Hexanone	111	70-130

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Client Sample ID: LCS

Lab ID#: 2403201B-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:04 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	104	70-130
1,2-Dibromoethane (EDB)	96	70-130
Chlorobenzene	102	70-130
Ethyl Benzene	108	70-130
m,p-Xylene	112	70-130
o-Xylene	104	70-130
Styrene	116	70-130
Bromoform	97	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	106	70-130
Propylbenzene	110	70-130
4-Ethyltoluene	122	70-130
1,3,5-Trimethylbenzene	116	70-130
1,2,4-Trimethylbenzene	119	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	102	70-130
alpha-Chlorotoluene	107	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	83	70-130
Hexachlorobutadiene	88	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201B-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:47 PM**	

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	79	70-130
Chloromethane	103	70-130
Vinyl Chloride	108	70-130
1,3-Butadiene	116	70-130
Bromomethane	84	70-130
Chloroethane	104	70-130
Freon 11	83	70-130
Ethanol	112	70-130
Freon 113	81	70-130
1,1-Dichloroethene	83	70-130
Acetone	94	70-130
2-Propanol	87	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	91	70-130
Methylene Chloride	90	70-130
Methyl tert-butyl ether	97	70-130
trans-1,2-Dichloroethene	88	70-130
Hexane	101	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	101	70-130
cis-1,2-Dichloroethene	90	70-130
Tetrahydrofuran	120	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	106	70-130
Carbon Tetrachloride	86	70-130
2,2,4-Trimethylpentane	105	70-130
Benzene	112	70-130
1,2-Dichloroethane	106	70-130
Heptane	130	70-130
Trichloroethene	110	70-130
1,2-Dichloropropane	116	70-130
1,4-Dioxane	106	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	107	70-130
4-Methyl-2-pentanone	124	70-130
Toluene	102	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	92	70-130
Tetrachloroethene	93	70-130
2-Hexanone	109	70-130

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Client Sample ID: LCSD

Lab ID#: 2403201B-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:47 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	101	70-130
1,2-Dibromoethane (EDB)	93	70-130
Chlorobenzene	99	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	104	70-130
o-Xylene	98	70-130
Styrene	110	70-130
Bromoform	91	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	98	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	112	70-130
1,3,5-Trimethylbenzene	109	70-130
1,2,4-Trimethylbenzene	112	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	96	70-130
alpha-Chlorotoluene	101	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	86	70-130
Hexachlorobutadiene	85	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	98	70-130

Analysis Request / Canister Chain of Custody

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Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Workorder #: 2403201

Instructions

page 1 of 1

Client: The ELAM Group
Site Name: 2516 E Cherry St, Seattle, WA
Project Manager: Jade White
Sampler: Radhe Shree

Project Name: ~~WAK~~ Cherry Cleaners
Project #: WA25 2516C, 22.9
PO#: 2516

Turnaround Time (Specify Below)
Standard ____ Rush ____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday.
Requested Date (mm/dd/yy):
QR Number of Days:

Lab ID	Field Sample Identification (Location)	Canister Barcode #	Flow Controller Barcode #	Start Sampling Information Date	Start Sampling Information Time	Stop Sampling Information Date	Stop Sampling Information Time	Requested Analyses: TO-15 VOCs	Canister Vacuum/Pressure: Initial (in "Hg)	Canister Vacuum/Pressure: Final (in "Hg)	Lab Use Only: Receipt (in "Hg)	Lab Use Only: Final (in psi) Gas: N2 / He
~~01A~~	IA-1 (2516) A: 022824	3575	25825	2/28/24	0958	2/28/24	1705	X	-28	-4		
02A	IA-2 (2516) A: 022824	08376	24758	↓	1015	↓	~~1705~~ 1812	X	-28	-4		
03A	SS-1 (2516) A: 022824	28318	25597		0946		1605	X	-27	-5		
04A	SS-2 (2516) A: 022824	0485	25341		1011		1811	X	-28.5	-4		
05A	Dup-1 (2516) A: 022824	27318	27146		1016		1705	X	-29	-5		
06A	OA-1 A: 022824	3573	27158	↓	1035	↓	1834	X	-29	-4		

Special Instructions/Notes:

	Date	Time		Date	Time
Relinquished by: (Signature/Affiliation) Radhe Shree / The ELAM Group	2/29/24	1046	Received by: (Signature/Affiliation) John Sallows / ELAM GROUP	2/29/24	1040
Relinquished by: (Signature/Affiliation) John Sallows / The ELAM Group	2/29/24	1400	Received by: (Signature/Affiliation) FEDEX	2/29/24	1400
Relinquished by: (Signature/Affiliation)			Received by: (Signature/Affiliation) SRC EAT	3-4-24	925

Shipper Name: FedEx

Lab Use Only
Custody Seals Intact? Yes No (None)
Condition:

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

Attachment C.3

Laboratory Analytical Report

for IA at 2518 E Cherry St

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3/19/2024
Mr. Chris Sloffer
The ELAM Group
161 Lakeview Drive
Ste B
Noblesville IN 46060

Project Name: Cherry Cleaners
Project #: WAKS 2510C, 22.9
Workorder #: 2403200A

Dear Mr. Chris Sloffer

The following report includes the data for the above referenced project for sample(s) received on 3/4/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified 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

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WORK ORDER #: 2403200A

Work Order Summary

CLIENT:	Mr. Chris Sloffer The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060	**BILL TO:**	Ms. Accounts Payable The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060
PHONE:	888-510-3526	**P.O. #**	2518
FAX:		**PROJECT #**	WAKS 2510C, 22.9 Cherry Cleaners
DATE RECEIVED:	03/04/2024	**CONTACT:**	Jade White
DATE COMPLETED:	03/19/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	IA-4 (2518) A:022824	Modified TO-15	3.5 "Hg	2 psi
01B	IA-4 (2518) A:022824	Modified TO-15	3.5 "Hg	2 psi
04A	Dup-2 (2518) A:022824	Modified TO-15	3.0 "Hg	2 psi
04B	Dup-2 (2518) A:022824	Modified TO-15	3.0 "Hg	2 psi
05A	IA-3 (2518) A:022824	Modified TO-15	4.0 "Hg	2 psi
05B	IA-3 (2518) A:022824	Modified TO-15	4.0 "Hg	2 psi
06A	Lab Blank	Modified TO-15	NA	NA
06B	Lab Blank	Modified TO-15	NA	NA
07A	CCV	Modified TO-15	NA	NA
07B	CCV	Modified TO-15	NA	NA
08A	LCS	Modified TO-15	NA	NA
08AA	LCSD	Modified TO-15	NA	NA
08B	LCS	Modified TO-15	NA	NA
08BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 03/19/24

Technical Director

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.

LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
The ELAM Group
Workorder# 2403200A

One 6 Liter Summa Canister (100% SIM Ambient) and two 6 Liter Summa Canister (100% Certified) samples were received on March 04, 2024. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	For Full Scan: 30% RSD with 4 compounds allowed out to < 40% RSD For SIM: Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	For Full Scan: </= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers For SIM: Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample IA-3 (2518) A:022824 did not match the information on the canister with regard to canister barcode. The sample labeled 2270 on the COC is labeled as 2279 on the canister. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

The reporting limit for Ethanol was raised from 2.0 ppbv to 6.5 ppbv due to anomalous linearity in the Initial Calibration.

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. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Nine 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.

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

N - The identification is based on presumptive evidence.

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

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

Client Sample ID: IA-4 (2518) A:022824

Lab ID#: 2403200A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.13	0.24	0.72	1.3
Ethanol	8.4	55	16	100
Acetone	2.6	25	6.1	60
2-Butanone (Methyl Ethyl Ketone)	0.64	1.5	1.9	4.4

Client Sample ID: IA-4 (2518) A:022824

Lab ID#: 2403200A-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.064	0.39	0.32	1.9
Chloroform	0.026	0.029	0.12	0.14
Carbon Tetrachloride	0.026	0.060	0.16	0.38
Benzene	0.064	0.13	0.21	0.42
Toluene	0.064	0.22	0.24	0.84
Tetrachloroethene	0.026	0.15	0.18	1.0
Ethyl Benzene	0.026	0.051	0.11	0.22
m,p-Xylene	0.052	0.19	0.22	0.84
o-Xylene	0.026	0.086	0.11	0.38

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.13	0.22	0.71	1.2
Ethanol	8.2	22	15	42

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.063	0.41	0.31	2.0
Chloroform	0.025	0.028	0.12	0.14

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

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04B

Carbon Tetrachloride	0.025	0.065	0.16	0.41
Benzene	0.063	0.13	0.20	0.43
Toluene	0.063	0.32	0.24	1.2
Tetrachloroethene	0.025	0.072	0.17	0.48
Ethyl Benzene	0.025	0.048	0.11	0.21
m,p-Xylene	0.050	0.17	0.22	0.75
o-Xylene	0.025	0.074	0.11	0.32

Client Sample ID: IA-3 (2518) A:022824

Lab ID#: 2403200A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.13	0.22	0.74	1.3
Ethanol	8.5	22	16	42

Client Sample ID: IA-3 (2518) A:022824

Lab ID#: 2403200A-05B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.066	0.39	0.32	1.9
Chloroform	0.026	0.027	0.13	0.13
Carbon Tetrachloride	0.026	0.066	0.16	0.42
Benzene	0.066	0.13	0.21	0.42
Toluene	0.066	0.24	0.25	0.89
Tetrachloroethene	0.026	0.061	0.18	0.42
Ethyl Benzene	0.026	0.044	0.11	0.19
m,p-Xylene	0.052	0.16	0.23	0.71
o-Xylene	0.026	0.065	0.11	0.28

eurofins | Air Toxics

Client Sample ID: IA-4 (2518) A:022824

Lab ID#: 2403200A-01A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031812**	**Date of Collection: 2/28/24 6:02:00 PM**	
Dil. Factor:	**1.29**	**Date of Analysis: 3/18/24 04:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.13	Not Detected	0.28	Not Detected
Bromomethane	6.4	Not Detected	25	Not Detected
Freon 11	0.13	0.24	0.72	1.3
Ethanol	8.4	55	16	100
Freon 113	0.13	Not Detected	0.99	Not Detected
Acetone	2.6	25	6.1	60
2-Propanol	2.6	Not Detected	6.3	Not Detected
Carbon Disulfide	0.64	Not Detected	2.0	Not Detected
3-Chloropropene	0.64	Not Detected	2.0	Not Detected
Methylene Chloride	0.26	Not Detected	0.90	Not Detected
Hexane	0.64	Not Detected	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.64	1.5	1.9	4.4
Tetrahydrofuran	0.64	Not Detected	1.9	Not Detected
Cyclohexane	0.64	Not Detected	2.2	Not Detected
2,2,4-Trimethylpentane	0.64	Not Detected	3.0	Not Detected
Heptane	0.64	Not Detected	2.6	Not Detected
1,2-Dichloropropane	0.13	Not Detected	0.60	Not Detected
1,4-Dioxane	0.13	Not Detected	0.46	Not Detected
Bromodichloromethane	0.13	Not Detected	0.86	Not Detected
cis-1,3-Dichloropropene	0.13	Not Detected	0.58	Not Detected
4-Methyl-2-pentanone	0.13	Not Detected	0.53	Not Detected
trans-1,3-Dichloropropene	0.13	Not Detected	0.58	Not Detected
2-Hexanone	0.64	Not Detected	2.6	Not Detected
Dibromochloromethane	0.13	Not Detected	1.1	Not Detected
Chlorobenzene	0.13	Not Detected	0.59	Not Detected
Styrene	0.13	Not Detected	0.55	Not Detected
Bromoform	0.13	Not Detected	1.3	Not Detected
Cumene	0.13	Not Detected	0.63	Not Detected
Propylbenzene	0.13	Not Detected	0.63	Not Detected
4-Ethyltoluene	0.13	Not Detected	0.63	Not Detected
1,3,5-Trimethylbenzene	0.13	Not Detected	0.63	Not Detected
1,2,4-Trimethylbenzene	0.13	Not Detected	0.63	Not Detected
1,3-Dichlorobenzene	0.13	Not Detected	0.78	Not Detected
alpha-Chlorotoluene	0.13	Not Detected	0.67	Not Detected
1,2-Dichlorobenzene	0.13	Not Detected	0.78	Not Detected
1,2,4-Trichlorobenzene	0.64	Not Detected	4.8	Not Detected
Hexachlorobutadiene	0.64	Not Detected	6.9	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130

eurofins | Air Toxics

Client Sample ID: IA-4 (2518) A:022824

Lab ID#: 2403200A-01A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031812**	**Date of Collection: 2/28/24 6:02:00 PM**	
Dil. Factor:	**1.29**	**Date of Analysis: 3/18/24 04:46 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	116	70-130

eurofins | Air Toxics

Client Sample ID: IA-4 (2518) A:022824

Lab ID#: 2403200A-01B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031812sim**	**Date of Collection:**	**2/28/24 6:02:00 PM**
Dil. Factor:	**1.29**	**Date of Analysis:**	**3/18/24 04:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.064	0.39	0.32	1.9
Freon 114	0.026	Not Detected	0.18	Not Detected
Chloromethane	0.64	Not Detected UJ	1.3	Not Detected UJ
Vinyl Chloride	0.013	Not Detected	0.033	Not Detected
Chloroethane	0.064	Not Detected	0.17	Not Detected
1,1-Dichloroethene	0.013	Not Detected	0.051	Not Detected
trans-1,2-Dichloroethene	0.13	Not Detected	0.51	Not Detected
Methyl tert-butyl ether	0.13	Not Detected	0.46	Not Detected
1,1-Dichloroethane	0.026	Not Detected	0.10	Not Detected
cis-1,2-Dichloroethene	0.026	Not Detected	0.10	Not Detected
Chloroform	0.026	0.029	0.12	0.14
1,1,1-Trichloroethane	0.026	Not Detected	0.14	Not Detected
Carbon Tetrachloride	0.026	0.060	0.16	0.38
Benzene	0.064	0.13	0.21	0.42
1,2-Dichloroethane	0.026	Not Detected	0.10	Not Detected
Trichloroethene	0.026	Not Detected	0.14	Not Detected
Toluene	0.064	0.22	0.24	0.84
1,1,2-Trichloroethane	0.026	Not Detected	0.14	Not Detected
Tetrachloroethene	0.026	0.15	0.18	1.0
1,2-Dibromoethane (EDB)	0.026	Not Detected	0.20	Not Detected
Ethyl Benzene	0.026	0.051	0.11	0.22
m,p-Xylene	0.052	0.19	0.22	0.84
o-Xylene	0.026	0.086	0.11	0.38
1,1,2,2-Tetrachloroethane	0.026	Not Detected	0.18	Not Detected
1,4-Dichlorobenzene	0.026	Not Detected	0.16	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	121	70-130

eurofins | Air Toxics

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031814**	**Date of Collection:**	**2/28/24 6:07:00 PM**
Dil. Factor:	**1.26**	**Date of Analysis:**	**3/18/24 06:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.13	Not Detected	0.28	Not Detected
Bromomethane	6.3	Not Detected	24	Not Detected
Freon 11	0.13	0.22	0.71	1.2
Ethanol	8.2	22	15	42
Freon 113	0.13	Not Detected	0.96	Not Detected
Acetone	2.5	Not Detected	6.0	Not Detected
2-Propanol	2.5	Not Detected	6.2	Not Detected
Carbon Disulfide	0.63	Not Detected	2.0	Not Detected
3-Chloropropene	0.63	Not Detected	2.0	Not Detected
Methylene Chloride	0.25	Not Detected	0.88	Not Detected
Hexane	0.63	Not Detected	2.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.63	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.63	Not Detected	1.8	Not Detected
Cyclohexane	0.63	Not Detected	2.2	Not Detected
2,2,4-Trimethylpentane	0.63	Not Detected	2.9	Not Detected
Heptane	0.63	Not Detected	2.6	Not Detected
1,2-Dichloropropane	0.13	Not Detected	0.58	Not Detected
1,4-Dioxane	0.13	Not Detected	0.45	Not Detected
Bromodichloromethane	0.13	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.13	Not Detected	0.57	Not Detected
4-Methyl-2-pentanone	0.13	Not Detected	0.52	Not Detected
trans-1,3-Dichloropropene	0.13	Not Detected	0.57	Not Detected
2-Hexanone	0.63	Not Detected	2.6	Not Detected
Dibromochloromethane	0.13	Not Detected	1.1	Not Detected
Chlorobenzene	0.13	Not Detected	0.58	Not Detected
Styrene	0.13	Not Detected	0.54	Not Detected
Bromoform	0.13	Not Detected	1.3	Not Detected
Cumene	0.13	Not Detected	0.62	Not Detected
Propylbenzene	0.13	Not Detected	0.62	Not Detected
4-Ethyltoluene	0.13	Not Detected	0.62	Not Detected
1,3,5-Trimethylbenzene	0.13	Not Detected	0.62	Not Detected
1,2,4-Trimethylbenzene	0.13	Not Detected	0.62	Not Detected
1,3-Dichlorobenzene	0.13	Not Detected	0.76	Not Detected
alpha-Chlorotoluene	0.13	Not Detected	0.65	Not Detected
1,2-Dichlorobenzene	0.13	Not Detected	0.76	Not Detected
1,2,4-Trichlorobenzene	0.63	Not Detected	4.7	Not Detected
Hexachlorobutadiene	0.63	Not Detected	6.7	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130

eurofins | Air Toxics

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031814**	**Date of Collection: 2/28/24 6:07:00 PM**	
Dil. Factor:	**1.26**	**Date of Analysis: 3/18/24 06:16 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
4-Bromofluorobenzene	113	70-130

eurofins | Air Toxics

Client Sample ID: Dup-2 (2518) A:022824

Lab ID#: 2403200A-04B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031814sim**	**Date of Collection:**	**2/28/24 6:07:00 PM**
Dil. Factor:	**1.26**	**Date of Analysis:**	**3/18/24 06:16 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.063	0.41	0.31	2.0
Freon 114	0.025	Not Detected	0.18	Not Detected
Chloromethane	0.63	Not Detected UJ	1.3	Not Detected UJ
Vinyl Chloride	0.013	Not Detected	0.032	Not Detected
Chloroethane	0.063	Not Detected	0.17	Not Detected
1,1-Dichloroethene	0.013	Not Detected	0.050	Not Detected
trans-1,2-Dichloroethene	0.13	Not Detected	0.50	Not Detected
Methyl tert-butyl ether	0.13	Not Detected	0.45	Not Detected
1,1-Dichloroethane	0.025	Not Detected	0.10	Not Detected
cis-1,2-Dichloroethene	0.025	Not Detected	0.10	Not Detected
Chloroform	0.025	0.028	0.12	0.14
1,1,1-Trichloroethane	0.025	Not Detected	0.14	Not Detected
Carbon Tetrachloride	0.025	0.065	0.16	0.41
Benzene	0.063	0.13	0.20	0.43
1,2-Dichloroethane	0.025	Not Detected	0.10	Not Detected
Trichloroethene	0.025	Not Detected	0.14	Not Detected
Toluene	0.063	0.32	0.24	1.2
1,1,2-Trichloroethane	0.025	Not Detected	0.14	Not Detected
Tetrachloroethene	0.025	0.072	0.17	0.48
1,2-Dibromoethane (EDB)	0.025	Not Detected	0.19	Not Detected
Ethyl Benzene	0.025	0.048	0.11	0.21
m,p-Xylene	0.050	0.17	0.22	0.75
o-Xylene	0.025	0.074	0.11	0.32
1,1,2,2-Tetrachloroethane	0.025	Not Detected	0.17	Not Detected
1,4-Dichlorobenzene	0.025	Not Detected	0.15	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	122	70-130

eurofins | Air Toxics

Client Sample ID: IA-3 (2518) A:022824

Lab ID#: 2403200A-05A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031815**	**Date of Collection: 2/28/24 6:12:00 PM**	
Dil. Factor:	**1.31**	**Date of Analysis: 3/18/24 06:57 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.13	Not Detected	0.29	Not Detected
Bromomethane	6.6	Not Detected	25	Not Detected
Freon 11	0.13	0.22	0.74	1.3
Ethanol	8.5	22	16	42
Freon 113	0.13	Not Detected	1.0	Not Detected
Acetone	2.6	Not Detected	6.2	Not Detected
2-Propanol	2.6	Not Detected	6.4	Not Detected
Carbon Disulfide	0.66	Not Detected	2.0	Not Detected
3-Chloropropene	0.66	Not Detected	2.0	Not Detected
Methylene Chloride	0.26	Not Detected	0.91	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.66	Not Detected	1.9	Not Detected
Tetrahydrofuran	0.66	Not Detected	1.9	Not Detected
Cyclohexane	0.66	Not Detected	2.2	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.0	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.13	Not Detected	0.60	Not Detected
1,4-Dioxane	0.13	Not Detected	0.47	Not Detected
Bromodichloromethane	0.13	Not Detected	0.88	Not Detected
cis-1,3-Dichloropropene	0.13	Not Detected	0.59	Not Detected
4-Methyl-2-pentanone	0.13	Not Detected	0.54	Not Detected
trans-1,3-Dichloropropene	0.13	Not Detected	0.59	Not Detected
2-Hexanone	0.66	Not Detected	2.7	Not Detected
Dibromochloromethane	0.13	Not Detected	1.1	Not Detected
Chlorobenzene	0.13	Not Detected	0.60	Not Detected
Styrene	0.13	Not Detected	0.56	Not Detected
Bromoform	0.13	Not Detected	1.4	Not Detected
Cumene	0.13	Not Detected	0.64	Not Detected
Propylbenzene	0.13	Not Detected	0.64	Not Detected
4-Ethyltoluene	0.13	Not Detected	0.64	Not Detected
1,3,5-Trimethylbenzene	0.13	Not Detected	0.64	Not Detected
1,2,4-Trimethylbenzene	0.13	Not Detected	0.64	Not Detected
1,3-Dichlorobenzene	0.13	Not Detected	0.79	Not Detected
alpha-Chlorotoluene	0.13	Not Detected	0.68	Not Detected
1,2-Dichlorobenzene	0.13	Not Detected	0.79	Not Detected
1,2,4-Trichlorobenzene	0.66	Not Detected	4.9	Not Detected
Hexachlorobutadiene	0.66	Not Detected	7.0	Not Detected

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130

eurofins | Air Toxics

Client Sample ID: IA-3 (2518) A:022824

Lab ID#: 2403200A-05A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031815**	**Date of Collection: 2/28/24 6:12:00 PM**	
Dil. Factor:	**1.31**	**Date of Analysis: 3/18/24 06:57 PM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
4-Bromofluorobenzene	109	70-130

eurofins | Air Toxics

Client Sample ID: IA-3 (2518) A:022824

Lab ID#: 2403200A-05B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031815sim**	**Date of Collection:**	**2/28/24 6:12:00 PM**
Dil. Factor:	**1.31**	**Date of Analysis:**	**3/18/24 06:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.066	0.39	0.32	1.9
Freon 114	0.026	Not Detected	0.18	Not Detected
Chloromethane	0.66	Not Detected UJ	1.4	Not Detected UJ
Vinyl Chloride	0.013	Not Detected	0.033	Not Detected
Chloroethane	0.066	Not Detected	0.17	Not Detected
1,1-Dichloroethene	0.013	Not Detected	0.052	Not Detected
trans-1,2-Dichloroethene	0.13	Not Detected	0.52	Not Detected
Methyl tert-butyl ether	0.13	Not Detected	0.47	Not Detected
1,1-Dichloroethane	0.026	Not Detected	0.11	Not Detected
cis-1,2-Dichloroethene	0.026	Not Detected	0.10	Not Detected
Chloroform	0.026	0.027	0.13	0.13
1,1,1-Trichloroethane	0.026	Not Detected	0.14	Not Detected
Carbon Tetrachloride	0.026	0.066	0.16	0.42
Benzene	0.066	0.13	0.21	0.42
1,2-Dichloroethane	0.026	Not Detected	0.11	Not Detected
Trichloroethene	0.026	Not Detected	0.14	Not Detected
Toluene	0.066	0.24	0.25	0.89
1,1,2-Trichloroethane	0.026	Not Detected	0.14	Not Detected
Tetrachloroethene	0.026	0.061	0.18	0.42
1,2-Dibromoethane (EDB)	0.026	Not Detected	0.20	Not Detected
Ethyl Benzene	0.026	0.044	0.11	0.19
m,p-Xylene	0.052	0.16	0.23	0.71
o-Xylene	0.026	0.065	0.11	0.28
1,1,2,2-Tetrachloroethane	0.026	Not Detected	0.18	Not Detected
1,4-Dichlorobenzene	0.026	Not Detected	0.16	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	121	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403200A-06A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	6.5	Not Detected	12	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	124	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403200A-06A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
4-Bromofluorobenzene	109	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2403200A-06B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031806sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:46 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.050	Not Detected	0.25	Not Detected
Freon 114	0.020	Not Detected	0.14	Not Detected
Chloromethane	0.50	Not Detected UJ	1.0	Not Detected UJ
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Chloroethane	0.050	Not Detected	0.13	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Chloroform	0.020	Not Detected	0.098	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.050	Not Detected	0.19	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
1,2-Dibromoethane (EDB)	0.020	Not Detected	0.15	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
1,4-Dichlorobenzene	0.020	Not Detected	0.12	Not Detected

UJ = Analyte associated with low bias in the CCV.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	117	70-130

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Client Sample ID: CCV

Lab ID#: 2403200A-07A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**	

Compound	%Recovery
1,3-Butadiene	78
Bromomethane	101
Freon 11	102
Ethanol	73
Freon 113	96
Acetone	77
2-Propanol	81
Carbon Disulfide	96
3-Chloropropene	81
Methylene Chloride	92
Hexane	90
2-Butanone (Methyl Ethyl Ketone)	100
Tetrahydrofuran	83
Cyclohexane	104
2,2,4-Trimethylpentane	95
Heptane	90
1,2-Dichloropropane	88
1,4-Dioxane	108
Bromodichloromethane	105
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	86
trans-1,3-Dichloropropene	98
2-Hexanone	88
Dibromochloromethane	99
Chlorobenzene	96
Styrene	108
Bromoform	102
Cumene	106
Propylbenzene	98
4-Ethyltoluene	100
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	93
alpha-Chlorotoluene	94
1,2-Dichlorobenzene	93
1,2,4-Trichlorobenzene	79
Hexachlorobutadiene	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130

Client Sample ID: CCV

Lab ID#: 2403200A-07A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: CCV

Lab ID#: 2403200A-07B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031802sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 08:25 AM**	

Compound	%Recovery
Freon 12	102
Freon 114	87
Chloromethane	65 Q
Vinyl Chloride	79
Chloroethane	82
1,1-Dichloroethene	90
trans-1,2-Dichloroethene	95
Methyl tert-butyl ether	104
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	96
Chloroform	96
1,1,1-Trichloroethane	100
Carbon Tetrachloride	95
Benzene	95
1,2-Dichloroethane	93
Trichloroethene	93
Toluene	93
1,1,2-Trichloroethane	104
Tetrachloroethene	113
1,2-Dibromoethane (EDB)	106
Ethyl Benzene	108
m,p-Xylene	114
o-Xylene	111
1,1,2,2-Tetrachloroethane	90
1,4-Dichlorobenzene	97

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: LCS

Lab ID#: 2403200A-08A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	78	70-130
Bromomethane	106	70-130
Freon 11	105	70-130
Ethanol	90	70-130
Freon 113	96	70-130
Acetone	82	70-130
2-Propanol	87	70-130
Carbon Disulfide	102	70-130
3-Chloropropene	99	70-130
Methylene Chloride	93	70-130
Hexane	94	70-130
2-Butanone (Methyl Ethyl Ketone)	108	70-130
Tetrahydrofuran	92	70-130
Cyclohexane	111	70-130
2,2,4-Trimethylpentane	97	70-130
Heptane	93	70-130
1,2-Dichloropropane	87	70-130
1,4-Dioxane	105	70-130
Bromodichloromethane	106	70-130
cis-1,3-Dichloropropene	96	70-130
4-Methyl-2-pentanone	86	70-130
trans-1,3-Dichloropropene	102	70-130
2-Hexanone	89	70-130
Dibromochloromethane	100	70-130
Chlorobenzene	96	70-130
Styrene	109	70-130
Bromoform	102	70-130
Cumene	108	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	103	70-130
1,3,5-Trimethylbenzene	102	70-130
1,2,4-Trimethylbenzene	107	70-130
1,3-Dichlorobenzene	94	70-130
alpha-Chlorotoluene	91	70-130
1,2-Dichlorobenzene	90	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	102	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130

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Client Sample ID: LCS

Lab ID#: 2403200A-08A

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
4-Bromofluorobenzene	113	70-130

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Client Sample ID: LCSD

Lab ID#: 2403200A-08AA

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Compound	%Recovery	Method Limits
1,3-Butadiene	74	70-130
Bromomethane	97	70-130
Freon 11	96	70-130
Ethanol	83	70-130
Freon 113	91	70-130
Acetone	81	70-130
2-Propanol	84	70-130
Carbon Disulfide	94	70-130
3-Chloropropene	94	70-130
Methylene Chloride	86	70-130
Hexane	88	70-130
2-Butanone (Methyl Ethyl Ketone)	104	70-130
Tetrahydrofuran	88	70-130
Cyclohexane	104	70-130
2,2,4-Trimethylpentane	86	70-130
Heptane	86	70-130
1,2-Dichloropropane	85	70-130
1,4-Dioxane	108	70-130
Bromodichloromethane	112	70-130
cis-1,3-Dichloropropene	96	70-130
4-Methyl-2-pentanone	84	70-130
trans-1,3-Dichloropropene	109	70-130
2-Hexanone	92	70-130
Dibromochloromethane	105	70-130
Chlorobenzene	97	70-130
Styrene	111	70-130
Bromoform	110	70-130
Cumene	114	70-130
Propylbenzene	107	70-130
4-Ethyltoluene	113	70-130
1,3,5-Trimethylbenzene	113	70-130
1,2,4-Trimethylbenzene	118	70-130
1,3-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	90	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	104	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130

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Client Sample ID: LCSD

Lab ID#: 2403200A-08AA

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
4-Bromofluorobenzene	119	70-130

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Client Sample ID: LCS

Lab ID#: 2403200A-08B

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031803sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 09:22 AM**	

Compound	%Recovery	Method Limits
Freon 12	96	70-130
Freon 114	85	70-130
Chloromethane	63 Q	70-130
Vinyl Chloride	78	70-130
Chloroethane	82	70-130
1,1-Dichloroethene	88	70-130
trans-1,2-Dichloroethene	95	70-130
Methyl tert-butyl ether	106	70-130
1,1-Dichloroethane	86	70-130
cis-1,2-Dichloroethene	97	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	101	70-130
Carbon Tetrachloride	93	60-140
Benzene	94	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	93	70-130
Toluene	90	70-130
1,1,2-Trichloroethane	105	70-130
Tetrachloroethene	113	70-130
1,2-Dibromoethane (EDB)	107	70-130
Ethyl Benzene	110	70-130
m,p-Xylene	114	70-130
o-Xylene	114	70-130
1,1,2,2-Tetrachloroethane	91	70-130
1,4-Dichlorobenzene	95	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	119	70-130

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Client Sample ID: LCSD

Lab ID#: 2403200A-08BB

EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	**v031804sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 10:02 AM**	

Compound	%Recovery	Method Limits
Freon 12	92	70-130
Freon 114	82	70-130
Chloromethane	62 Q	70-130
Vinyl Chloride	76	70-130
Chloroethane	81	70-130
1,1-Dichloroethene	88	70-130
trans-1,2-Dichloroethene	94	70-130
Methyl tert-butyl ether	107	70-130
1,1-Dichloroethane	86	70-130
cis-1,2-Dichloroethene	97	70-130
Chloroform	95	70-130
1,1,1-Trichloroethane	101	70-130
Carbon Tetrachloride	93	60-140
Benzene	93	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	93	70-130
Toluene	87	70-130
1,1,2-Trichloroethane	109	70-130
Tetrachloroethene	115	70-130
1,2-Dibromoethane (EDB)	111	70-130
Ethyl Benzene	106	70-130
m,p-Xylene	113	70-130
o-Xylene	116	70-130
1,1,2,2-Tetrachloroethane	98	70-130
1,4-Dichlorobenzene	99	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	121	70-130

Analysis Request / Canister Chain of Custody

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Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Workorder #: 2403200

Instructions

Client: The ELAM Group
Site Name: 2518 E Cherry St, Seattle, WA
Project Manager: Sade White
Sampler: Radlie Storer

Project Name: Cherry Cleaners
Project #: WA45 2510 C, 22.9
PO#: 2518

Turnaround Time (Specify Below)
Standard _____ Rush _____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday.
Requested Date (mm/dd/yy):
OR Number of Days:

Lab ID	Field Sample Identification (Location)	Canister Barcode #	Flow Controller Barcode #	Start Sampling Information		Stop Sampling Information		Requested Analyses: Vocs TO-15				Canister Vacuum/Pressure		Lab Use Only	
				Date	Time	Date	Time					Initial (in "Hg)	Final (in "Hg)	Receipt (in "Hg)	Final (in psi) Gas: N2 / He
01A	IA-1 (2518) A: 022824	3586	27165	2/28/24	1108	2/28/24	1882	X				-27.5	-5		
02A	~~IA-2~~ (2518) A: 022824	2270	27122		1113							-28		25	
03A	SS-1 (2518) A: 022824	3574	27161		1104		1881	X				-29.5	-5		
04A	SS-2 (2518) A: 022824	2295	24342		1110		1844	X				-30	-4		
05A	Dup-2 (2518) A: 022824	1893	25834		1114		1887	X				-28	-2		
06A	IA-3 (2518) A: 022824	2270	27122		1113		1812	X				-28	-4		

Special Instructions/Notes:

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
The ELAM Group	2/29/24	1046	ELAM	2/29/24	1040
The ELAM GROUP	2/29/24	1400	FEDEX	2/29/24	1400
			SRC EATL	3-4-24	925

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? Yes No (None) | Condition:

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

Attachment C.4

Laboratory Analytical Report

for SGss at 2518 E Cherry St

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3/19/2024
Mr. Chris Sloffer
The ELAM Group
161 Lakeview Drive
Ste B
Noblesville IN 46060

Project Name: Cherry Cleaners
Project #: WAKS 2510C, 22.9
Workorder #: 2403200B

Dear Mr. Chris Sloffer

The following report includes the data for the above referenced project for sample(s) received on 3/4/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified 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

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WORK ORDER #: 2403200B

Work Order Summary

CLIENT:	Mr. Chris Sloffer The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060	**BILL TO:**	Ms. Accounts Payable The ELAM Group 161 Lakeview Drive Ste B Noblesville, IN 46060
PHONE:	888-510-3526	**P.O. #**	2518
FAX:		**PROJECT #**	WAKS 2510C, 22.9 Cherry Cleaners
DATE RECEIVED:	03/04/2024	**CONTACT:**	Jade White
DATE COMPLETED:	03/19/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
02A	SS-4 (2518) A:022824	Modified TO-15	3.7 "Hg	1.9 psi
03A	SS-3 (2518) A:022824	Modified TO-15	2.4 "Hg	1.9 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 03/19/24

Technical Director

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.

LABORATORY NARRATIVE
Modified TO-15
The ELAM Group
Workorder# 2403200B

One 6 Liter Summa Canister (100% SIM Ambient) and one 6 Liter Summa Canister (100% Certified) samples were received on March 04, 2024. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Initial Calibration	</=30% RSD with 2 compounds allowed out to < 40% RSD	</=30% RSD with 4 compounds allowed out to < 40% RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

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. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight 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.

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

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

Client Sample ID: SS-4 (2518) A:022824

Lab ID#: 2403200B-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.64	0.72	3.2	3.6
Freon 11	0.13	0.19	0.72	1.1
Ethanol	2.6	84 E	4.9	160 E
Acetone	2.6	36	6.1	85
2-Propanol	2.6	20	6.3	50
2-Butanone (Methyl Ethyl Ketone)	0.64	2.6	1.9	7.6
Chloroform	0.13	1.5	0.63	7.2
Benzene	0.13	0.21	0.41	0.67
4-Methyl-2-pentanone	0.13	0.17	0.53	0.68
Toluene	0.13	0.81	0.49	3.0
Tetrachloroethene	0.13	1.8	0.88	12
Ethyl Benzene	0.13	0.13	0.56	0.56
m,p-Xylene	0.13	0.46	0.56	2.0
o-Xylene	0.13	0.22	0.56	0.94
1,2,4-Trimethylbenzene	0.13	0.17	0.63	0.84

Client Sample ID: SS-3 (2518) A:022824

Lab ID#: 2403200B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.12	0.21	0.69	1.2
Ethanol	2.5	110 E	4.6	220 E
Acetone	2.5	7.1	5.8	17
2-Propanol	2.5	24	6.0	60
2-Butanone (Methyl Ethyl Ketone)	0.62	0.95	1.8	2.8
Benzene	0.12	0.23	0.39	0.74
Toluene	0.12	0.83	0.46	3.1
Tetrachloroethene	0.12	0.73	0.83	5.0
Ethyl Benzene	0.12	0.12 J	0.53	0.52 J
m,p-Xylene	0.12	0.46	0.53	2.0
o-Xylene	0.12	0.23	0.53	0.99
1,2,4-Trimethylbenzene	0.12	0.13	0.60	0.66

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Client Sample ID: SS-4 (2518) A:022824

Lab ID#: 2403200B-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031819**	**Date of Collection:**	**2/28/24 6:01:00 PM**
Dil. Factor:	**1.29**	**Date of Analysis:**	**3/19/24 12:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.64	0.72	3.2	3.6
Freon 114	0.13	Not Detected	0.90	Not Detected
Chloromethane	0.64	Not Detected	1.3	Not Detected
Vinyl Chloride	0.13	Not Detected	0.33	Not Detected
1,3-Butadiene	0.13	Not Detected	0.28	Not Detected
Bromomethane	6.4	Not Detected	25	Not Detected
Chloroethane	0.64	Not Detected	1.7	Not Detected
Freon 11	0.13	0.19	0.72	1.1
Ethanol	2.6	84 E	4.9	160 E
Freon 113	0.13	Not Detected	0.99	Not Detected
1,1-Dichloroethene	0.13	Not Detected	0.51	Not Detected
Acetone	2.6	36	6.1	85
2-Propanol	2.6	20	6.3	50
Carbon Disulfide	0.64	Not Detected	2.0	Not Detected
3-Chloropropene	0.64	Not Detected	2.0	Not Detected
Methylene Chloride	0.26	Not Detected	0.90	Not Detected
Methyl tert-butyl ether	0.13	Not Detected	0.46	Not Detected
trans-1,2-Dichloroethene	0.13	Not Detected	0.51	Not Detected
Hexane	0.64	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.13	Not Detected	0.52	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.64	2.6	1.9	7.6
cis-1,2-Dichloroethene	0.13	Not Detected	0.51	Not Detected
Tetrahydrofuran	0.64	Not Detected	1.9	Not Detected
Chloroform	0.13	1.5	0.63	7.2
1,1,1-Trichloroethane	0.13	Not Detected	0.70	Not Detected
Cyclohexane	0.64	Not Detected	2.2	Not Detected
Carbon Tetrachloride	0.13	Not Detected	0.81	Not Detected
2,2,4-Trimethylpentane	0.64	Not Detected	3.0	Not Detected
Benzene	0.13	0.21	0.41	0.67
1,2-Dichloroethane	0.13	Not Detected	0.52	Not Detected
Heptane	0.64	Not Detected	2.6	Not Detected
Trichloroethene	0.13	Not Detected	0.69	Not Detected
1,2-Dichloropropane	0.13	Not Detected	0.60	Not Detected
1,4-Dioxane	0.13	Not Detected	0.46	Not Detected
Bromodichloromethane	0.13	Not Detected	0.86	Not Detected
cis-1,3-Dichloropropene	0.13	Not Detected	0.58	Not Detected
4-Methyl-2-pentanone	0.13	0.17	0.53	0.68
Toluene	0.13	0.81	0.49	3.0
trans-1,3-Dichloropropene	0.13	Not Detected	0.58	Not Detected
1,1,2-Trichloroethane	0.13	Not Detected	0.70	Not Detected
Tetrachloroethene	0.13	1.8	0.88	12
2-Hexanone	0.64	Not Detected	2.6	Not Detected

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Client Sample ID: SS-4 (2518) A:022824

Lab ID#: 2403200B-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031819**	**Date of Collection: 2/28/24 6:01:00 PM**	
Dil. Factor:	**1.29**	**Date of Analysis: 3/19/24 12:53 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.13	Not Detected	1.1	Not Detected
1,2-Dibromoethane (EDB)	0.13	Not Detected	0.99	Not Detected
Chlorobenzene	0.13	Not Detected	0.59	Not Detected
Ethyl Benzene	0.13	0.13	0.56	0.56
m,p-Xylene	0.13	0.46	0.56	2.0
o-Xylene	0.13	0.22	0.56	0.94
Styrene	0.13	Not Detected	0.55	Not Detected
Bromoform	0.13	Not Detected	1.3	Not Detected
Cumene	0.13	Not Detected	0.63	Not Detected
1,1,2,2-Tetrachloroethane	0.13	Not Detected	0.88	Not Detected
Propylbenzene	0.13	Not Detected	0.63	Not Detected
4-Ethyltoluene	0.13	Not Detected	0.63	Not Detected
1,3,5-Trimethylbenzene	0.13	Not Detected	0.63	Not Detected
1,2,4-Trimethylbenzene	0.13	0.17	0.63	0.84
1,3-Dichlorobenzene	0.13	Not Detected	0.78	Not Detected
1,4-Dichlorobenzene	0.13	Not Detected	0.78	Not Detected
alpha-Chlorotoluene	0.13	Not Detected	0.67	Not Detected
1,2-Dichlorobenzene	0.13	Not Detected	0.78	Not Detected
1,2,4-Trichlorobenzene	0.64	Not Detected	4.8	Not Detected
Hexachlorobutadiene	0.64	Not Detected	6.9	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	72	70-130

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Client Sample ID: SS-3 (2518) A:022824

Lab ID#: 2403200B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031820**	**Date of Collection:**	**2/28/24 6:41:00 PM**
Dil. Factor:	**1.23**	**Date of Analysis:**	**3/19/24 01:37 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.62	Not Detected	3.0	Not Detected
Freon 114	0.12	Not Detected	0.86	Not Detected
Chloromethane	0.62	Not Detected	1.3	Not Detected
Vinyl Chloride	0.12	Not Detected	0.31	Not Detected
1,3-Butadiene	0.12	Not Detected	0.27	Not Detected
Bromomethane	6.2	Not Detected	24	Not Detected
Chloroethane	0.62	Not Detected	1.6	Not Detected
Freon 11	0.12	0.21	0.69	1.2
Ethanol	2.5	110 E	4.6	220 E
Freon 113	0.12	Not Detected	0.94	Not Detected
1,1-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Acetone	2.5	7.1	5.8	17
2-Propanol	2.5	24	6.0	60
Carbon Disulfide	0.62	Not Detected	1.9	Not Detected
3-Chloropropene	0.62	Not Detected	1.9	Not Detected
Methylene Chloride	0.25	Not Detected	0.85	Not Detected
Methyl tert-butyl ether	0.12	Not Detected	0.44	Not Detected
trans-1,2-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Hexane	0.62	Not Detected	2.2	Not Detected
1,1-Dichloroethane	0.12	Not Detected	0.50	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.62	0.95	1.8	2.8
cis-1,2-Dichloroethene	0.12	Not Detected	0.49	Not Detected
Tetrahydrofuran	0.62	Not Detected	1.8	Not Detected
Chloroform	0.12	Not Detected	0.60	Not Detected
1,1,1-Trichloroethane	0.12	Not Detected	0.67	Not Detected
Cyclohexane	0.62	Not Detected	2.1	Not Detected
Carbon Tetrachloride	0.12	Not Detected	0.77	Not Detected
2,2,4-Trimethylpentane	0.62	Not Detected	2.9	Not Detected
Benzene	0.12	0.23	0.39	0.74
1,2-Dichloroethane	0.12	Not Detected	0.50	Not Detected
Heptane	0.62	Not Detected	2.5	Not Detected
Trichloroethene	0.12	Not Detected	0.66	Not Detected
1,2-Dichloropropane	0.12	Not Detected	0.57	Not Detected
1,4-Dioxane	0.12	Not Detected	0.44	Not Detected
Bromodichloromethane	0.12	Not Detected	0.82	Not Detected
cis-1,3-Dichloropropene	0.12	Not Detected	0.56	Not Detected
4-Methyl-2-pentanone	0.12	Not Detected	0.50	Not Detected
Toluene	0.12	0.83	0.46	3.1
trans-1,3-Dichloropropene	0.12	Not Detected	0.56	Not Detected
1,1,2-Trichloroethane	0.12	Not Detected	0.67	Not Detected
Tetrachloroethene	0.12	0.73	0.83	5.0
2-Hexanone	0.62	Not Detected	2.5	Not Detected

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Client Sample ID: SS-3 (2518) A:022824

Lab ID#: 2403200B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031820**	**Date of Collection: 2/28/24 6:41:00 PM**	
Dil. Factor:	**1.23**	**Date of Analysis: 3/19/24 01:37 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.12	Not Detected	1.0	Not Detected
1,2-Dibromoethane (EDB)	0.12	Not Detected	0.94	Not Detected
Chlorobenzene	0.12	Not Detected	0.57	Not Detected
Ethyl Benzene	0.12	0.12 J	0.53	0.52 J
m,p-Xylene	0.12	0.46	0.53	2.0
o-Xylene	0.12	0.23	0.53	0.99
Styrene	0.12	Not Detected	0.52	Not Detected
Bromoform	0.12	Not Detected	1.3	Not Detected
Cumene	0.12	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.12	Not Detected	0.84	Not Detected
Propylbenzene	0.12	Not Detected	0.60	Not Detected
4-Ethyltoluene	0.12	Not Detected	0.60	Not Detected
1,3,5-Trimethylbenzene	0.12	Not Detected	0.60	Not Detected
1,2,4-Trimethylbenzene	0.12	0.13	0.60	0.66
1,3-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
1,4-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
alpha-Chlorotoluene	0.12	Not Detected	0.64	Not Detected
1,2-Dichlorobenzene	0.12	Not Detected	0.74	Not Detected
1,2,4-Trichlorobenzene	0.62	Not Detected	4.6	Not Detected
Hexachlorobutadiene	0.62	Not Detected	6.6	Not Detected

E = Exceeds instrument calibration range.
J = Estimated value.

Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	74	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2403200B-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031808e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 02:14 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	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.50	Not Detected	1.0	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2403200B-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031808e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	80	70-130

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Client Sample ID: CCV

Lab ID#: 2403200B-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031804**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:22 AM**

Compound	%Recovery
Freon 12	90
Freon 114	78
Chloromethane	98
Vinyl Chloride	101
1,3-Butadiene	102
Bromomethane	80
Chloroethane	95
Freon 11	79
Ethanol	76
Freon 113	83
1,1-Dichloroethene	78
Acetone	85
2-Propanol	71
Carbon Disulfide	92
3-Chloropropene	84
Methylene Chloride	88
Methyl tert-butyl ether	87
trans-1,2-Dichloroethene	84
Hexane	93
1,1-Dichloroethane	97
2-Butanone (Methyl Ethyl Ketone)	93
cis-1,2-Dichloroethene	83
Tetrahydrofuran	101
Chloroform	87
1,1,1-Trichloroethane	85
Cyclohexane	98
Carbon Tetrachloride	88
2,2,4-Trimethylpentane	99
Benzene	113
1,2-Dichloroethane	104
Heptane	129
Trichloroethene	108
1,2-Dichloropropane	117
1,4-Dioxane	102
Bromodichloromethane	101
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	116
Toluene	111
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	96
Tetrachloroethene	93
2-Hexanone	105

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Client Sample ID: CCV

Lab ID#: 2403200B-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 11:22 AM**	

Compound	%Recovery
Dibromochloromethane	102
1,2-Dibromoethane (EDB)	92
Chlorobenzene	97
Ethyl Benzene	102
m,p-Xylene	108
o-Xylene	98
Styrene	113
Bromoform	95
Cumene	103
1,1,2,2-Tetrachloroethane	104
Propylbenzene	107
4-Ethyltoluene	120
1,3,5-Trimethylbenzene	112
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	100
1,2,4-Trichlorobenzene	80
Hexachlorobutadiene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: LCS

Lab ID#: 2403200B-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:04 PM**	

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	79	70-130
Chloromethane	104	70-130
Vinyl Chloride	108	70-130
1,3-Butadiene	115	70-130
Bromomethane	85	70-130
Chloroethane	103	70-130
Freon 11	82	70-130
Ethanol	114	70-130
Freon 113	82	70-130
1,1-Dichloroethene	81	70-130
Acetone	93	70-130
2-Propanol	85	70-130
Carbon Disulfide	100	70-130
3-Chloropropene	89	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	95	70-130
trans-1,2-Dichloroethene	89	70-130
Hexane	99	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	100	70-130
cis-1,2-Dichloroethene	89	70-130
Tetrahydrofuran	117	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	106	70-130
Carbon Tetrachloride	85	70-130
2,2,4-Trimethylpentane	105	70-130
Benzene	113	70-130
1,2-Dichloroethane	107	70-130
Heptane	131 Q	70-130
Trichloroethene	111	70-130
1,2-Dichloropropane	116	70-130
1,4-Dioxane	106	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	106	70-130
4-Methyl-2-pentanone	121	70-130
Toluene	109	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	97	70-130
2-Hexanone	111	70-130

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Client Sample ID: LCS

Lab ID#: 2403200B-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:04 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	104	70-130
1,2-Dibromoethane (EDB)	96	70-130
Chlorobenzene	102	70-130
Ethyl Benzene	108	70-130
m,p-Xylene	112	70-130
o-Xylene	104	70-130
Styrene	116	70-130
Bromoform	97	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	106	70-130
Propylbenzene	110	70-130
4-Ethyltoluene	122	70-130
1,3,5-Trimethylbenzene	116	70-130
1,2,4-Trimethylbenzene	119	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	102	70-130
alpha-Chlorotoluene	107	70-130
1,2-Dichlorobenzene	100	70-130
1,2,4-Trichlorobenzene	83	70-130
Hexachlorobutadiene	88	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 2403200B-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:47 PM**	

Compound	%Recovery	Method Limits
Freon 12	94	70-130
Freon 114	79	70-130
Chloromethane	103	70-130
Vinyl Chloride	108	70-130
1,3-Butadiene	116	70-130
Bromomethane	84	70-130
Chloroethane	104	70-130
Freon 11	83	70-130
Ethanol	112	70-130
Freon 113	81	70-130
1,1-Dichloroethene	83	70-130
Acetone	94	70-130
2-Propanol	87	70-130
Carbon Disulfide	99	70-130
3-Chloropropene	91	70-130
Methylene Chloride	90	70-130
Methyl tert-butyl ether	97	70-130
trans-1,2-Dichloroethene	88	70-130
Hexane	101	70-130
1,1-Dichloroethane	102	70-130
2-Butanone (Methyl Ethyl Ketone)	101	70-130
cis-1,2-Dichloroethene	90	70-130
Tetrahydrofuran	120	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	106	70-130
Carbon Tetrachloride	86	70-130
2,2,4-Trimethylpentane	105	70-130
Benzene	112	70-130
1,2-Dichloroethane	106	70-130
Heptane	130	70-130
Trichloroethene	110	70-130
1,2-Dichloropropane	116	70-130
1,4-Dioxane	106	70-130
Bromodichloromethane	100	70-130
cis-1,3-Dichloropropene	107	70-130
4-Methyl-2-pentanone	124	70-130
Toluene	102	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	92	70-130
Tetrachloroethene	93	70-130
2-Hexanone	109	70-130

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Client Sample ID: LCSD

Lab ID#: 2403200B-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**60031806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/24 12:47 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	101	70-130
1,2-Dibromoethane (EDB)	93	70-130
Chlorobenzene	99	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	104	70-130
o-Xylene	98	70-130
Styrene	110	70-130
Bromoform	91	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	98	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	112	70-130
1,3,5-Trimethylbenzene	109	70-130
1,2,4-Trimethylbenzene	112	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	96	70-130
alpha-Chlorotoluene	101	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	86	70-130
Hexachlorobutadiene	85	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	98	70-130

Analysis Request / Canister Chain of Custody

eurofins | Air Toxics

Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Workorder #: 2403200

Instructions

page 1 of 1

Client: The ELAM Group
Site Name: 2518 E Cherry St, Seattle, WA
Project Manager: Jade White
Sampler: Radlie Storer

Project Name: Cherry Cleaners
Project #: WAKS 25 10 C, 22.9
PO#: 2518

Turnaround Time (Specify Below)
Standard ____ Rush ____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday.
Requested Date (mm/dd/yy):
OR Number of Days:

Lab ID	Field Sample Identification (Location)	Canister Barcode #	Flow Controller Barcode #	Start Sampling Information		Stop Sampling Information		Requested Analyses: VOCs TO-15	Canister Vacuum/Pressure: Initial (in "Hg)	Canister Vacuum/Pressure: Final (in "Hg)	Lab Use Only: Receipt (in "Hg)	Lab Use Only: Final (in psi) Gas: N2 / He
				Date	Time	Date	Time					
	IA-2											
01A	~~IA-1~~ (2518) A: 022824	3586	27165	2/28/24	1108	2/28/24	1802	X	-27.5	-5		
02A	~~IA-2~~ (2518) A: 022824	2270	27122		1113				-28		25	
03A	~~SS-1~~ (2518) A: 022824	3574	27161		1104		1801	X	-29.5	-8		
04A	~~SS-2~~ (2518) A: 022824	2295	27342		1110		~~1801~~ 1754	X	-28	-4		
05A	Dup 2 (2518) A: 022824	1893	25834		1114		1807	X	-28	-2		
06A	IA-3 (2518) A: 022824	2270	27122		1113		1812	X	-28	-4		

Special Instructions/Notes:

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / The ELAM Group	2/29/24	1046	[signature] / ELAM	2/29/24	1040
[signature] / The ELAM Group	2/29/24	1400	FEDEX	2/29/24	1400
			SAE EAT	3-4-24	925

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? Yes No (None) | Condition:

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922