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April 27, 2020

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

VIA CERTIFIED MAIL

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

Dear Mr. Mauer:

On behalf of the former Cherry Street Cleaners, this letter documents a reassessment of the potential for vapor intrusion ("VI") within the Twilight Exit Bar commercial building space located at 2516 East Cherry Street ("2516") and inspection of the Tana Market commercial building space located at 2518 East Cherry Street ("2518"). This reassessment was conducted to address the recommendation in the prior report, which was to annually inspect the premises at 2516 and 2518 for continued Commercial land use. If Commercial land use is confirmed during the annual inspection, a vapor intrusion assessment ("VIA") should be conducted in 2516 during the "reasonable worst case" scenario.[1,2] The monitoring of the potential for VI should continue until the subslab soil gas ("SGss") concentrations reduce below the applicable Commercial Model Toxics

[1] Ecology, 2018, *Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, October 2009 (Revised February 2016 and April 2018), Ecology: https://fortress.wa.gov/ecy/publications/documents/0909047.pdf (URL last verified 4/22/20).
[2] A "reasonable worst case" VI scenario as defined by Ecology's draft *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, dated October 2009 (revised February 2016 and April 2018) is a period of time when the building's interior is likely to be "depressurized" relative to the outdoor and subsurface pressures. 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.

Control Act ("MTCA") Method C Commercial Indoor Air Cleanup Levels ("IACLs") and the Method C Commercial Soil Gas Screening Levels ("SGSLs") for two consecutive events. In the event that the land use changes to Residential, VIAs should be conducted annually in both 2516 and 2518. The following narrative describes this work.

Background

Both the 2516 and 2518 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 East Cherry Street from 1968 to 2007. During this period, Cherry Street Cleaners 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") 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 the State of Washington Department of Ecology's ("Ecology's") dedicated website to this site.[3]

Specific to 2516 and 2518, Ecology issued an Opinion Letter ("Opinion") on 11/17/14 with regard to the VIAs 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. As of this writing, the buildings are still used for commercial purposes.

On 6/29/17, a reassessment of the buildings was conducted because subslab soil gas ("SGss") samples had not been collected contemporaneously with indoor air ("IA") samples in the prior sampling events. Additionally, the Cherry Street Cleaners building had been demolished since those sampling events, and a reassessment had not been conducted since 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

[3] Ecology, 2020, *Cherry Street Cleaners*, Ecology: https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4175 (URL last accessed 4/22/20).

conducted. The results were reported to Ecology in a VIA report, dated 12/1/17.[4] 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 and subsequent off-gassing of the former Cherry Street Cleaners building. However, we recommended that a winter VIA 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.

A VIA was completed in February of 2018. The results were reported to Ecology in a VIA report, dated 11/7/18.[5] 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, The ELAM Group recommended that the premises at 2516 and 2518 be inspected annually for continued Commercial land use. If Commercial, a VIA in 2516 should be conducted annually, until the SGss concentrations reduce below the applicable IACLs and SGSLs for two consecutive events. The following narrative describes the work in response to this recommendation.

Work Plan Rationale

Based on the monitoring plan, The ELAM Group conducted an annual inspection and VI sampling event at 2516.

Inspection for Commercial Land Use

The premises at 2516 and 2518 were inspected for Commercial land use, and The ELAM Group's observations are summarized below:

[4] 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.
[5] 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.

- ❏ Twilight Exit Bar is operating as a commercial business at 2516
- ❏ 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 conducted in 2516 during the "reasonable worst case" scenario.

Procedures

The building inspection and sampling procedures applied to this and any future events is generally as follows:

1. Inspect the building for contaminant sources to indoor air
2. Remove the contaminant sources, if possible
3. Sample the SGss and IA over an 8-hour time period

A detailed summary of The ELAM Group's air sampling procedure is provided in Attachment A.

Results

On 1/25/20, The ELAM Group surveyed the chemicals housed within the building located at 2516. No chemicals were identified that would serve as indoor air contaminant sources relating to the COCs, so none were removed. Not less than 48 hours after the survey, The ELAM Group initiated subslab, crawlspace and indoor air sampling using laboratory-supplied 6-liter stainless steel Summa canisters.

The analytical results are summarized in Table 1 and shown relative to sample location on Figure 2. The chemical inventory is provided in Attachment B. The sampling forms are included in Attachment C. The laboratory analytical report including Summa canister certifications is provided in Attachment D.

Analysis

Cherry Street Cleaners COCs Trend Analysis

With the exception of the sample results from subslab soil port SS-1, all of the concentrations of the COCs associated with the former Cherry Street Cleaners in the samples collected during January 2020 once again complied with Ecology's respective Commercial SGSLs and IACLs. The lone exception (SS-1) evidenced a concentration of PCE that was over 3 times higher than the prior February 2018 concentration [(28,000 micrograms per cubic meter ("ug/m^3") vs. 8,550 ug/m^3)]. This concentration exceeds Ecology's SGSL for PCE, but the corresponding indoor air concentrations remain lower than the Commercial IACLs.

Despite the higher concentration observed in the January 2020 SGss sample, collected under the "reasonable worst case" VI scenario, it is approximately ¼ the historical maximum reported SGss concentration of 110,000 ug/m^3, the latter of which was obtained prior to demolition of the nearby Cherry Street Cleaners building. The historical COC concentrations are summarized in Table 1, with the most recent COC concentrations shown on Figure 2.

Based on these results, we have the following findings:

1. The "reasonable worst case" VI scenario applies. Therefore, future sampling events should be conducted during this "heating season" period.
2. 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.

Chloroform

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

The source of the chloroform is uncertain, and may be a result of 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.[6] 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 East Cherry Street ("2522").[4]

An inspection of the historical groundwater data associated with the former Cherry Street Cleaners shows that the highest concentration of CT is from MW-23, which is located where the former Neighborhood Cleaners/Unique Cleaners once existed.[7] CT has also been detected at MW-9, which is also near the former Neighborhood/Unique Cleaners. More recent data show that concentrations of CT have also been detected east and west of 2522 at MW-19D and MW-101, respectively. Additionally, CT has been detected southeast and west of the Islamic School of Seattle ("ISS") at MW-13 and MW-12, respectively.[8] The ISS property is located at 720 E. 25th Street, which is northwest of 2516. All of the properties and monitoring wells are shown on Figure 1.

Based on the distribution of CT in groundwater, there may be two source areas of CT. However, because we know that CT usage relates to dry cleaning conducted in the 1940s and that the Neighborhood/Unique Cleaners operated during that period and that the highest concentration of CT is detected beneath the former Neighborhood/Unique Cleaners, we conclude that the CT sourced from 2522 East Cherry Street. An alternative source may exist at the ISS.

We do not believe that the Cherry Street Cleaners is a source area of CT because Cherry Street Cleaners' use of a chlorinated solvent began in 1968 with PCE and remained PCE until it ceased dry-cleaning activities in 2007. We therefore conclude that the chloroform contamination is unrelated to the former operations of the Cherry Street Cleaners.

Petroleum-based Chemicals

Finally, petroleum-based or petroleum-related chemicals were detected at concentrations greater than Ecology's SGSLs and IACLs, including benzene and 1,2-dichloroethane,[9,10]. However, these chemicals are associated with gasoline and are

[6] Morrison, R.D. and Murphy, B.L, 2006, *Environmental Forensics*, Elsevier: New York, New York.
[7] ECC Horizon, 2014, *Remedial Investigation*.
[8] The ELAM Group, 2019, *Annual Report*, VCP No. NW2009, Former Cherry Street Cleaners, 6/30/2019
[9] 1,2-dichloroethene is known as a "lead scavenger" additive that was included in leaded gasoline formulations to prevent lead deposits in internal combustion engines.

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 January 2020 VIA, The ELAM Group concludes that the indoor air concentrations remain below the IACLs for the COCs associated with the Cherry Street Cleaners. When conjoined with the prior sampling events from 10/23/12, 4/10/13, 5/30/13, 6/29/17 and 2/28/18, we have now accumulated six consecutive data sets that suggest that the Cherry Cleaners COCs within the IA samples have remained in compliance with the IACLs consistent with Ecology's Opinion from 11/17/14. Should the property usage change from Commercial to Residential, the more stringent Residential IACLs and SGSLs would apply.

To ensure that compliance is maintained, the premises at 2516 and 2518 should be inspected annually for continued Commercial land use. If Commercial land use is confirmed, a VIA in 2516 should be conducted annually during the "reasonable worst case" scenario. The monitoring of the potential for VI should continue until the SGss concentrations reduce below the applicable IACLs and SGSLs for two consecutive events. In the event that the land use changes to Residential, VIAs should be conducted annually in both 2516 and 2518.

[10] USEPA, 2006, *Lead Scavengers Compendium: Overview of Properties, Occurrence, and Remedial Technologies*, May 2006, USEPA: https://www.epa.gov/sites/production/files/2015-03/documents/compendium-0506.pdf (URL last verified 4/24/18)

Closing

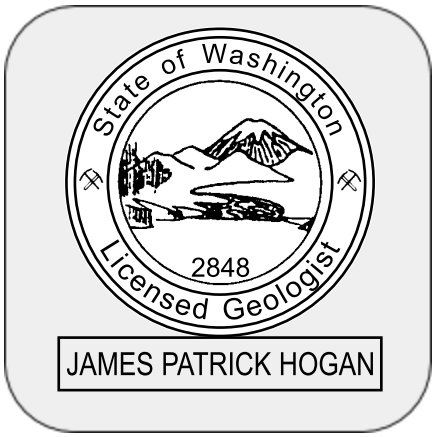
Should you have any questions with this VIA report, please contact me at (888) 510-3526 x102 or james.hogan@elamusa.com.

Sincerely,

TheELAMGroup

Digitally signed by James Hogan
Date: 2020.04.30 16:17:22 -04'00'

James P. Hogan, RG



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	Trichloro-ethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	1,2-Dichloro-ethane	Carbon tetrachloride	Chloroform	Napthalene	1,2,4-Trimethyl-benzene	m&p-Xylene
									Chemical Abstracts Service Registry Number ("CASRN")	127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	71-43-2	107-06-2	56-23-5	67-66-3	91-20-3	95-63-6	108-38-3
									2015 Indoor Air Cleanup Level, Method B	9.62	0.37	--	--	0.28	0.32	0.10	0.42	0.11	0.07	3.20	46
									2015 Indoor Air Cleanup Level, Method C	96	6.30	--	--	2.80	3.21	0.96	4.17	1.09	0.74	7.0	100
									2015 Sub-Slab Soil Gas Screening Level, Method B	321	12	--	--	9.33	11	3.21	14	3.62	2.45	107	1,524
									2015 Sub-Slab Soil Gas Screening Level, Method C	3,205	210	--	--	93	107	32.05	139	36.2	24.51	233	3,333
2516 Cherry Street																					
October 2012	SV-2	SV-2 Twilight	10/23/12	Subslab	6L Summa	NA	-28.5	-6	TO-15	**36000**	<94	<69	<69	<45	<56	<71		NT	NT	NT	<76
	IA-2	IA-2 Twilight	10/23/12	Indoor Air	6L Summa	NA	-29.5	-8	TO-15	6.9	<0.19	<0.14	<0.71	<0.046	**1.0**	<0.14		NT	NT	NT	1.2
	IA-3	IA-3 Twilight	10/23/12	Indoor Air	6L Summa	NA	-29	-8	TO-15	6.8	<0.20	<0.15	<0.76	<0.049	**0.97**	<0.15		NT	NT	NT	1.1
	SV-3	SV-3 Twilight	10/23/12	Subslab	6L Summa	NA	-30+	-7	TO-15	**28000**	<78	<58	<58	<37	<46	<59		NT	NT	NT	<63
	SV-4	SV-4 Twilight	10/23/12	Subslab	6L Summa	NA	-30+	-8	TO-15	**110000**	<240	<180	<180	<120	<140	<180		NT	NT	NT	<200
April 2013	IA-03	2516IA-03-20130410	4/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**24**	<0.17	<0.13	<0.64	<0.041	**0.59**	NA	NA	NA	NA	NA	NA
	IA-02	2516IA-02-20130410	4/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**12**	<0.18	<0.13	<0.65	<0.042	**0.61**	NA	NA	NA	NA	NA	NA
	Building Roof	2516INTAKE-20130410	4/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.24	<0.18	<0.13	<0.66	<0.042	0.40	NA	NA	NA	NA	NA	NA
May 2013	IA-03	2516IA-03-20130530	5/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**25**	<0.88	<0.65	<3.2	<0.21	<1.3	NA	NA	NA	NA	NA	NA
	IA-02	2516IA-02-20130530	5/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**15**	<0.36	<0.27	<1.3	<0.087	<0.54	NA	NA	NA	NA	NA	NA
June 2017	IA-1	IA-1:A062917	6/29/17	Indoor Air	6L Summa	7.3	-30+	-4	TO-15	2.9	<0.22	<0.19	<0.30	<0.15	**0.66**	<0.16	**0.52**	**0.40**	**2.7**	0.94	2.0
	SS-1	SS-1:A062917	6/29/17	Subslab	6L Summa	7.5	-30+	-4	TO-15	**1900**	**18.7**	<0.18	<0.29	<0.15	1.5	0.80	3.1	**6.2**	2.4	2.9	12.2
	IA-2	IA-2:A062917	6/29/17	Indoor Air	6L Summa	7.4	-30+	-5	TO-15	2.2	<0.22	<0.19	<0.30	<0.15	**0.57**	<0.12	**0.49**	**0.51**	**2.0**	0.74	1.5
		FD:A062917	6/29/17	Indoor Air	6L Summa	7.4	-24.5	-4.5	TO-15	5.6	<0.21	<0.18	<0.29	<0.15	**9.1**	<0.15	**0.45**	**0.51**	**132**	**25.3**	**49.8**
	SS-2	SS-2:A062917	6/29/17	Subslab	6L Summa	7.5	-27	-4	TO-15	**636**	6.9	<0.18	<0.29	<0.15	1.3	0.63	1.1	**84.7**	2.4	2.5	11.4
February 2018	IA-1	IA1:A022818	2/28/18	Indoor Air	6L Summa	8.0	-30+	-4	TO-15	**19.6**	0.13	<0.062	<0.062	<0.040	**1.6**	0.089	**0.63**	**0.45**	<4.1	<1.5	<2.7
	SS-1	SS1:A022818	2/28/18	Subslab	6L Summa	8.0	-30+	-11	TO-15	**8550**	9.5	<0.085	<0.085	<0.055	1.0	<0.087	0.99	**5.1**	<5.6	<2.1	<3.8
	IA-2	IA2:A022818	2/28/18	Indoor Air	6L Summa	8.0	-30+	-4	TO-15	**16.9**	**1.2**	<0.084	<0.084	<0.054	**1.9**	**0.12**	**0.75**	**0.54**	<4.1	<1.5	<2.7
	SS-2	SS2:A022818	2/28/18	Subslab	6L Summa	8.0	-30+	-2	TO-15	**544**	3.3	<0.058	<0.058	<0.037	0.79	<0.059	4.5	**143**	<3.8	<1.4	<2.5
January 2020	IA-1	IA1:A012720	1/27/20	Indoor Air	6L Summa	8.0	-30	-5.5	TO-15	4.1	<0.085	<0.062	<0.062	<0.040	**1.9**	0.09	**0.81**	**0.44**	<4.1	<1.5	<2.7
	SS-1	SS1:A012720	1/27/20	Subslab	6L Summa	8.0	-30	-5.5	TO-15	**28000**	<40.6	<30	<30	<19.3	<24.2	<30.6	<47.5	<36.9	<1980	<743	<1320
	IA-2	IA2:A012720	1/27/20	Indoor Air	6L Summa	8.0	-30	-5	TO-15	7.2	<0.088	<0.065	<0.065	<0.042	**2.1**	**0.098**	**0.43**	**1.1**	<4.3	<1.6	<2.8
		DuplicateIA:A012720	1/27/20	Indoor Air	6L Summa	8.0	-30	-6	TO-15	8.0	<0.088	<0.065	<0.065	<0.042	**2.1**	**0.099**	**0.68**	**1.1**	<4.3	<1.6	<2.8
	SS-2	SS2:A0122720	1/27/20	Subslab	6L Summa	8.0	-29.9	-6	TO-15	**742**	3.8	<0.27	0.40	<0.17	2.6	<0.28	1.9	**82.6**	<17.8	10.7	59.6
2518 Cherry Street																					
October 2012	SV-5	SV-5 TANA MKT.	10/24/12	Subslab	6L Summa	NA	-30+	-7	TO-15	20	<0.18	<0.13	<0.67	<0.043	0.33	<0.14		NT	NT	NT	0.34
	SV-6	SV-6 TANA MKT.	10/24/12	Subslab	6L Summa	NA	-30+	-7	TO-15	0.9	<0.18	<0.13	<0.67	<0.043	0.41	<0.14		NT	NT	NT	0.68
	SV-7	SV-7 TANA MKT.	10/24/12	Subslab	6L Summa	NA	-28	-7	TO-15	1.8	<0.18	<0.13	<0.67	<0.043	0.50	<0.14		NT	NT	NT	1.2
April 2013	IA-01	2518IA-01-20130410	4/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**15**	<0.18	<0.13	<0.65	<0.042	**1.1**	NA	NA	NA	NA	NA	NA
	IA-02	2518IA-02-20130410	4/10/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	3	<0.36	<0.26	<0.26	<0.085	**0.90**	NA	NA	NA	NA	NA	NA
	Building Roof	2518INTAKE-20130410	4/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.33	<0.18	<0.14	<0.68	<0.044	0.44	NA	NA	NA	NA	NA	NA
May 2013	IA-01	2518IA-01-20130530	5/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	**20**	<0.37	<0.27	<1.4	<0.087	**0.88**	NA	NA	NA	NA	NA	NA
	IA-02	2518IA-02-20130530	5/30/13	Indoor Air	6L Summa	NA	NA	NA	TO-15	2.7	<0.45	<0.33	<1.7	<0.11	**0.74**	NA	NA	NA	NA	NA	NA
June 2017	IA-3	IA-3:A062917	6/29/17	Indoor Air	6L Summa	7.3	-30	-4	TO-15	1.8	0.24	<0.18	<0.29	<0.15	**0.79**	**0.62**	**0.47**	**0.73**	<0.23	0.90	3.1
	CSA-3	CSA-3:A062917	6/29/17	Crawlspace	6L Summa	7.3	-30+	-4	TO-15	1.4	0.36	<0.18	<0.29	<0.15	1.7	<0.15	0.52	1.2	2.1	2.4	11.0
	IA-4	IA-4:A062917	6/29/17	Indoor Air	6L Summa	7.3	-30	-2	TO-15	5.7	**1.5**	<0.19	<0.30	<0.15	**2.8**	**1.6**	**0.64**	**2.2**	**5.4**	**7.6**	**117**
	SS-4	SS-4:A062917	6/29/17	Subslab	6L Summa	7.3	-30+	-4.5	TO-15	**2020**	2.5	<0.18	<0.29	<0.15	1.4	<0.15	1.4	**3.9**	2.3	2.9	12.1
February 2018	IA-3	IA3:A022818	2/28/18	Indoor Air	6L Summa	8.0	-29	-2	TO-15	2.2	0.11	<0.062	<0.062	0.047	**1.2**	0.091	**0.62**	**1.6**	<4.1	<1.5	<2.7
	CSA-3	CSA3:A022818	2/28/18	Crawlspace	6L Summa	8.0	-29	-4	TO-15	1.4	0.16	<0.062	<0.062	<0.040	0.97	0.094	0.63	0.60	<4.1	<1.5	<2.7
	IA-4	IA4:A022818	2/28/18	Indoor Air	6L Summa	8.0	-27	-2	TO-15	3.4	**0.86**	<0.056	<0.056	<0.036	**1.8**	**0.12**	**0.49**	**8.6**	<3.7	**4.9**	**49.9**
		Dup2518:A022818	2/28/18	Indoor Air	6L Summa	8.0	-30	-5	TO-15	0.68	0.13	<0.062	<0.062	<0.040	**1.7**	**0.13**	**0.90**	**7.8**	<4.1	**5.0**	**49.1**
	SS-4	SS4:A022818	2/28/18	Subslab	6L Summa	8.0	-30	-4	TO-15	**1610**	0.34	<0.062	<0.062	<0.040	3.6	<0.064	0.69	**4.3**	<4.1	<1.5	<2.7
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.																				
Outdoor Air																					
October 2012	Outdoor	AMB-1	10/23/12	Outdoor Air	6L Summa	NA	-30+	-5	TO-15	0.68	<0.17	<0.12	<0.61	<0.040	0.25	<0.12		NT	NT	NT	1.5
April 2013	Outdoor	AMB-01-20130410	4/10/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	0.26	<0.17	<0.12	<0.63	<0.040	0.75	NA	NA	NA	NA	NA	NA
May 2013	Outdoor	AMB-01-20130530	5/30/13	Outdoor Air	6L Summa	NA	NA	NA	TO-15	<0.22	<0.18	<0.13	<0.66	<0.042	0.30	NA	NA	NA	NA	NA	NA
June 2017	Outdoor	OA:A062917	6/29/17	Outdoor Air	6L Summa	6.1	-27	-2	TO-15	1.2	<0.21	<0.18	<0.29	<0.15	0.44	<0.15	44	<0.14	5.1	0.80	1.6
February 2018	Outdoor	OA:A022818	2/28/18	Outdoor Air	6L Summa	8.0	-30+	-3	TO-15	0.42	<0.076	<0.056	<0.056	<0.036	0.87	0.083	0.53	0.14	<3.7	<1.4	<2.5
January 2020	Outdoor	OA2516:A012720	1/27/20	Outdoor Air	6L Summa	8.0	-29.5	-6	TO-15	1.3	0.087	<0.062	<0.062	0.042	2.5	0.097	0.69	0.50	<4.1	7.2	20.7

Notes:

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

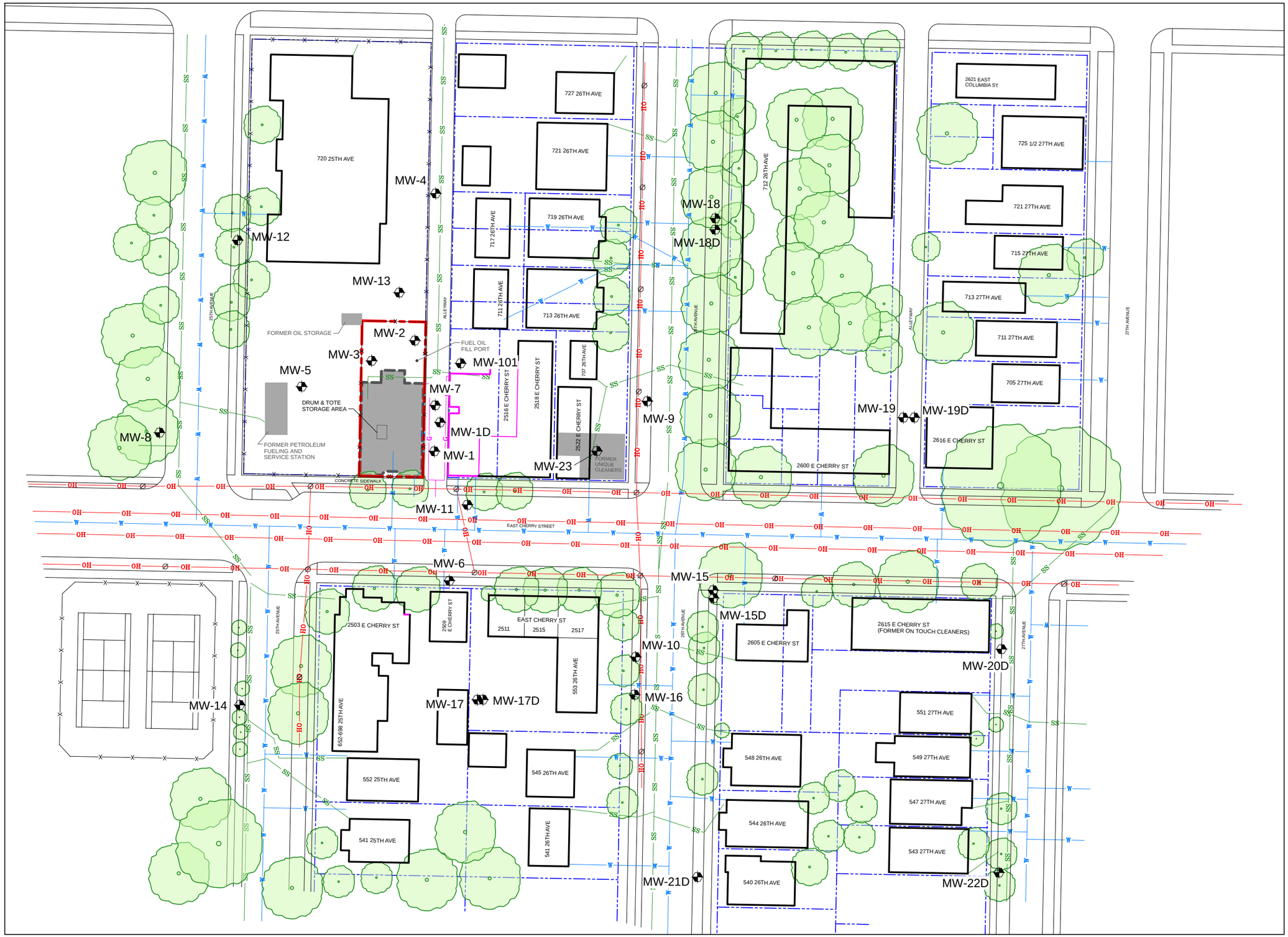
2. All results are displayed for PCE and its daughter compounds, TCE and vinyl chloride. The other compounds presented contain at least one sample that was detected at a concentration greater than the applicable screening level.

3. A bold font style indicates that the concentration exceeds the applicable Method B Screening Level, and a bold underelined font style indicates that the concentration exceeds the applicable Method C. 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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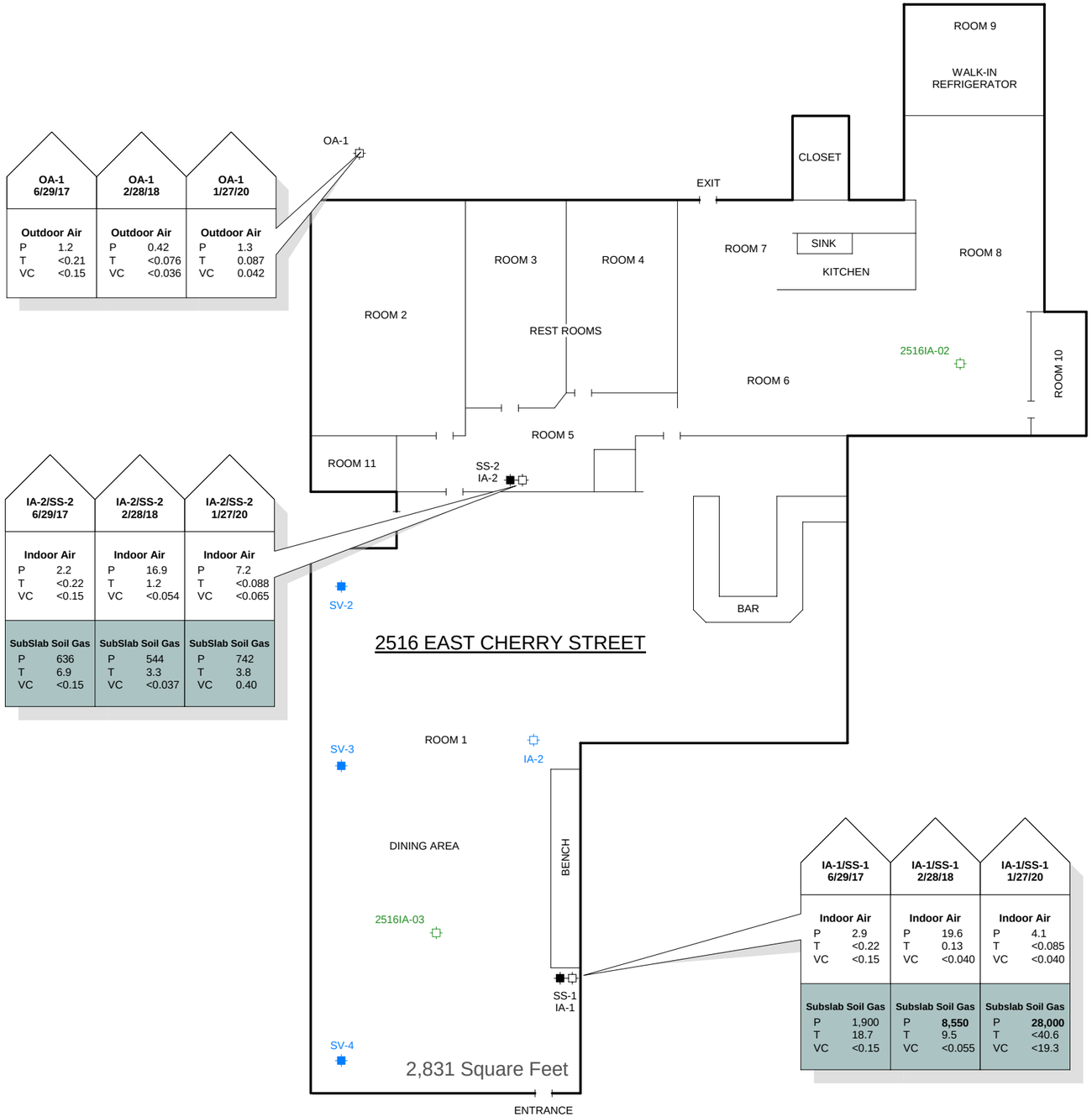
LEGEND

- Monitoring Well
- Injection Well
- SS — Underground Sanitary Sewer Line
- W — Underground Water Line
- G — Underground Natural Gas Line
- OH — Overhead Electric Line
- Utility Pole
- Tree
- Former Building Location
- Vapor Intrusion Assessment Location

Notes:

0 30 60

Figure No: 1
Title: Site Map
Scale: 1" = 60'
Project No: WAKS2510C
Report: VIA Report
Drawn by: The ELAM Group
Date: 03/26/2020



TheELAMGroup

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)

Notes:

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

P	Tetrachloroethylene (PCE)
T	Trichloroethylene (TCE)
VC	Vinyl Chloride

N

0 5 10 feet

Figure No: 2

Title: VIA Sample Results

Scale: 1" = 10'

Project No: WAKS2510C9.4

Report: VIA Report

Drawn by: The ELAM Group

Date: 03/26/2020

Attachment A

Vapor Intrusion Assessment Procedures

TheELAMGroup

Email: info@elamusa.com
Website: www.elamusa.com
Twitter: @elam_usa
Tel: 888-510-3526
Fax: 317-567-9022

Vapor Intrusion Assessment Procedures

2516 Cherry Street
Seattle, Washington

The VIA process generally included the following steps:

1. An inspection of each premises and removal of chemicals prior to sampling
2. Sample port installations and integrity testing
3. Simultaneous collection of indoor air ("IA"), sub-slab soil gas ("SGss") and crawlspace air ("CSA") samples over an 8-hour time-weighted average ("TWA") period

The procedures for conducting these tasks are described in the following narrative.

Pre-Vapor Intrusion Sampling Inspection

Prior to sampling, the building was inspected for chemicals that could potentially interfere with the VIAs. The chemical labels were assessed to determine if chlorinated volatile organic compounds ("cVOCs") were present. No cVOCs were identified. Chemicals that were either open or could potentially contain VOCs were removed from the premises at least 48 hours before sampling started.

Sample Port Integrity Testing

The integrity of each sample port seal was tested via a *water dam test* procedure. The water dam test consists of removing the stainless steel cover, pouring distilled water into the recessed area of the port and monitoring the water level for a period of at least 5 minutes. If the water level does not change, the port's seal is intact. Each water dam

test for these events showed that the seal was intact. After each water dam test was complete, the water was evacuated from the port.

Sample Collection

The VIA sampling consisted of two IA samples, two SGss samples and one outdoor air ("OA") sample. The one-story building is approximately 3,000 square feet and constructed on a slab. VIA samples were collec ted as follows:

- ❏ 2516 Cherry Street: First Floor - Two SGss samples paired with two IA samples and one OA Sample

To prepare the sample ports for sampling, each port was purged of 1 liter of air with a manual transfer pump by removing the port's cap, connecting sample tubing to the port and transfer pump intake and connecting the effluent end of the transfer pump to a 1-liter Tedlar bag. After successfully purging 1 liter, the valve on the Tedlar bag was sealed, and the sample tubing was connected to the 6-liter stainless steel Summa sample canisters.

The samples were collected into laboratory-supplied reusable 6-liter stainless steel Summa canisters. Each Summa canister was individually certified clean, depressurized and equipped with a dedicated regulator set to draw a sample into the canister over an 8-hour period.

Prior to sampling, each canister and valve was assembled. The assembly was inspected for negative pressure of at least 24 inches of mercury (24" Hg). Thereafter, the Summa canisters were placed at the locations shown on Figure 2. IA samples were collected from the breathable space within the buildings at heights from 3 to 5 feet above the floor. Each IA sample was paired with either an SGss or CSA sample, which were collected through dedicated sample tubing that connected the Summa canister to the sample port.

A field duplicate sample and an outdoor air sample were also collected for quality assurance and quality control ("QA/QC"). The field duplicate sample (labeled "FD") was collected in a separate 6-liter Summa canister placed at the IA-2 sample location. The

outdoor air sample (labeled “OA-1”) was collected from an upwind location outside the building as shown on Figure 2.

After placement was complete, each valve was opened and initial canister pressures were recorded. Subsequent negative pressure readings were collected during the first two hours of sampling to monitor the steadiness of the sample intake into the Summa canister. If a canister vacuum was not declining at a steady rate of approximately 3 inches of mercury (“Hg) per hour, then the canister was replaced. During the final 2 hours of the 8-hour sample period, pressure readings were again recorded. If the vacuum pressure reduced to 3” Hg or less, the valve was immediately closed. At the completion of the 8-hour sample period, each valve was closed and a final pressure reading was recorded. The Summa canisters and valves were packaged and delivered to Pace Analytical Laboratories, Inc. under Chain-of-Custody documentation for chemical analysis of VOCs via U.S. EPA Method TO-15.

Attachment B

Chemical Inventory

Chemical Inventory

Building Name/Address: 2516 E. Cherry St, Seattle, WA

Date: 1/25/20

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Auto-Chlor Degreaser	1 gal	Kitchen	N	N
Top Job Bleach	1 gal		N	N
Liquid Plumber (x2)	1 gal		N	N
Auto-Chlor Solution QA	1 gal		N	N
Lysol Toilet Bowl Cleaner (x2)	24-oz		N	N
Auto-Chlor Grill & Oven Cleaner	1 gal		N	N
~~X~~ Auto Chlor Enviro Soak (x2)	2.5 L		N	N
Orkin Activzyme	16 oz		N	Y
Comet Cleaner w/ Bleach	32 oz		N	N
Goo Gone Graffiti Remover	24 oz		N	Y
Auto-Chlor Glass & Surface Cleaner	2.5 L		N	N
Goof Off Graffiti Remover	10 oz		N	Y
Simply Value Dish Detergent	1 gal		N	N
Air Wick Air Freshener	10 oz		N	Y
Spray Nine glass cleaner	10 oz		N	Y
Auto-Chlor Enviro Dry	1 gal		N	N
Auto-Chlor Washing	1 gal		N	N

Attachment C

Summa Canister Air Sampling Forms

SUMMA CANISTER AIR SAMPLING FORM

TheELAMGroup

GENERAL INFORMATION

SITE: Twilight Exit Bar

SAMPLING ADDRESS: 2516 E Cherry St, Seattle, WA

SAMPLING EVENT (circle one): SUMMERTIME (WINTERTIME)

TEMPERATURE (F): 45 BAROMETRIC PRESSURE: 30.17 PRECIPITATION (circle one): (Y) N

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

SAMPLING PERSONNEL ID & AFFILIATION: R. Slorr / ELAM

SAMPLING INFORMATION

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-1 A:012720	3452	FC1273	SHUT IN TEST	1/27/20	0715	30.0
			INITIAL	1/27/20	0755	30.0
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)		0826	30.0
					0945	~~29.5~~ 25.5 29
400 mL	TO-14A	Air	24 hour		1050	24.0
1 L	~~TO-15~~	~~SGss~~	~~8 hour~~		1410	-12.0
(6 L)	TO-15 SIM	SGe	200 ml/min	FINAL	1553 1530	7.0 5.5

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
AS-1 A:012720	1764	0877	SHUT IN TEST	1/27/20	0712	30.0
			INITIAL	1/27/20	0757	30.0
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)		0826	29.9
					0945	25.5
400 mL	TO-14A	(Air)	24 hour		1050	22
1 L	~~TO-15~~	SGss	(8 hour)		1420 1530	11.0 7.0
(6 L)	TO-15 SIM	SGe	200 ml/min	FINAL	1555	5.5

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS-2 A:012720	1508	0396	SHUT IN TEST	1/27/20	0705	29.9
			INITIAL	1/27/20	0800	29.9
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)		0826	29.8
					0946	25.0
400 mL	TO-14A	Air	24 hour		1050	21.0
1 L	~~TO-15~~	~~SGss~~	~~8 hour~~		1420 1530	12.0 8.0
(6 L)	TO-15 SIM	SGe	200 ml/min	FINAL	1556	6.0

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
AS-2 A:012720	2713	1447	SHUT IN TEST	1/27/20	0709	30.0
			INITIAL	1/27/20	0810	30.0
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)		0826	30.0
					0946	26.5
400 mL	TO-14A	(Air)	24 hour		1050	24.0
1 L	(TO-15)	SGss	(8 hour)		1420 1520	~~11.0~~ 8.5
(6 L)	TO-15 SIM	SGe	200 ml/min	FINAL	1557	5.0

(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:

SAMPLING ADDRESS: See Pg. 1

SAMPLING EVENT (circle one): SUMMERTIME WINTERTIME

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

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

SAMPLING PERSONNEL ID & AFFILIATION:

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
Duplicate 1A		2824	1255	SHUT IN TEST	7/27/20	0713	30.0
				INITIAL	7/27/20	0812	30.0
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)			0827	30.0
						0945	26.5
400 mL	TO-14A	Air	24 hour			1050	23.0
1 L	TO-15	SGss	8 hour			1420 1530	12.0 9.0
6 L	TO-15 SIM	SGe	200 ml/min	FINAL		1558	6.0

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
OA 2516		0948	0210	SHUT IN TEST	7/27/20	0715	29.9
				INITIAL		0819	29.9
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)			0827	29.9
						0945	29.5
400 mL	TO-14A	Air	24 hour			1050	23.5
1 L	TO-15	SGss	8 hour			1400 1530	12.0 9.0
6 L	TO-15 SIM	SGe	200 ml/min	FINAL		1610	6.0

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 D

Laboratory Analytical Reports

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

February 07, 2020

Jason Oland
The Elam Group
176 W. Logan St.
Noblesville, IN 46060

RE: Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Dear Jason Oland:
Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Chris Sloffer, The Elam Group

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10506908001	**SS-1 A:012720**	Air	01/27/20 15:52	01/30/20 11:30
10506908002	**SS-1 A:012720 Cert 3452**	Air	01/27/20 15:52	01/30/20 11:30
10506908003	**SS-2 A:012720**	Air	01/27/20 15:56	01/30/20 11:30
10506908004	**SS-1 A:012720 Cert 1508**	Air	01/27/20 15:56	01/30/20 11:30

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10506908001	**SS-1 A:012720**	TO-15	NCK	61	PASI-M
10506908002	**SS-1 A:012720 Cert 3452**	TO-15	MJL	61	PASI-M
10506908003	**SS-2 A:012720**	TO-15	NCK	61	PASI-M
10506908004	**SS-1 A:012720 Cert 1508**	TO-15	MJL	61	PASI-M

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-1 A:012720 **Lab ID: 10506908001** Collected: 01/27/20 15:52 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	ND	ug/m3	1790	900	744		02/06/20 14:35	67-64-1	
Benzene	ND	ug/m3	24.2	15.6	744		02/06/20 14:35	71-43-2	
Benzyl chloride	ND	ug/m3	1960	893	744		02/06/20 14:35	100-44-7	
Bromodichloromethane	ND	ug/m3	50.7	37.2	744		02/06/20 14:35	75-27-4	
Bromoform	ND	ug/m3	3910	1060	744		02/06/20 14:35	75-25-2	
Bromomethane	ND	ug/m3	587	169	744		02/06/20 14:35	74-83-9	
1,3-Butadiene	ND	ug/m3	16.7	15.6	744		02/06/20 14:35	106-99-0	
2-Butanone (MEK)	ND	ug/m3	2230	275	744		02/06/20 14:35	78-93-3	
Carbon disulfide	ND	ug/m3	471	163	744		02/06/20 14:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	47.5	31.2	744		02/06/20 14:35	56-23-5	
Chlorobenzene	ND	ug/m3	696	205	744		02/06/20 14:35	108-90-7	
Chloroethane	ND	ug/m3	399	193	744		02/06/20 14:35	75-00-3	
Chloroform	ND	ug/m3	36.9	21.6	744		02/06/20 14:35	67-66-3	
Chloromethane	ND	ug/m3	312	116	744		02/06/20 14:35	74-87-3	
Cyclohexane	ND	ug/m3	1300	263	744		02/06/20 14:35	110-82-7	
Dibromochloromethane	ND	ug/m3	1290	535	744		02/06/20 14:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	58.1	52.8	744		02/06/20 14:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	908	371	744		02/06/20 14:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	908	432	744		02/06/20 14:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2280	744	744		02/06/20 14:35	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	751	218	744		02/06/20 14:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	30.6	17.9	744		02/06/20 14:35	75-34-3	
1,2-Dichloroethane	ND	ug/m3	30.6	17.2	744		02/06/20 14:35	107-06-2	
1,1-Dichloroethene	ND	ug/m3	30.0	26.0	744		02/06/20 14:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	30.0	20.1	744		02/06/20 14:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	30.0	27.5	744		02/06/20 14:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	35.0	21.6	744		02/06/20 14:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	34.3	26.8	744		02/06/20 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	34.3	30.5	744		02/06/20 14:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1060	325	744		02/06/20 14:35	76-14-2	
Ethanol	ND	ug/m3	1430	604	744		02/06/20 14:35	64-17-5	
Ethyl acetate	ND	ug/m3	545	141	744		02/06/20 14:35	141-78-6	
Ethylbenzene	ND	ug/m3	657	227	744		02/06/20 14:35	100-41-4	
4-Ethyltoluene	ND	ug/m3	1860	424	744		02/06/20 14:35	622-96-8	
n-Heptane	ND	ug/m3	620	283	744		02/06/20 14:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4030	1470	744		02/06/20 14:35	87-68-3	
n-Hexane	ND	ug/m3	533	231	744		02/06/20 14:35	110-54-3	
2-Hexanone	ND	ug/m3	3100	554	744		02/06/20 14:35	591-78-6	
Methylene Chloride	ND	ug/m3	2630	900	744		02/06/20 14:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3100	385	744		02/06/20 14:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	2720	493	744		02/06/20 14:35	1634-04-4	
Naphthalene	ND	ug/m3	1980	975	744		02/06/20 14:35	91-20-3	
2-Propanol	ND	ug/m3	1860	519	744		02/06/20 14:35	67-63-0	
Propylene	ND	ug/m3	260	104	744		02/06/20 14:35	115-07-1	
Styrene	ND	ug/m3	644	256	744		02/06/20 14:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	51.9	41.7	744		02/06/20 14:35	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-1 A:012720 **Lab ID: 10506908001** Collected: 01/27/20 15:52 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**28000**	ug/m3	51.3	43.9	744		02/06/20 14:35	127-18-4	
Tetrahydrofuran	ND	ug/m3	446	194	744		02/06/20 14:35	109-99-9	
Toluene	ND	ug/m3	570	261	744		02/06/20 14:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5610	2770	744		02/06/20 14:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	41.3	26.8	744		02/06/20 14:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	41.3	27.5	744		02/06/20 14:35	79-00-5	
Trichloroethene	ND	ug/m3	40.6	36.5	744		02/06/20 14:35	79-01-6	
Trichlorofluoromethane	ND	ug/m3	848	272	744		02/06/20 14:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1160	420	744		02/06/20 14:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	743	336	744		02/06/20 14:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	743	297	744		02/06/20 14:35	108-67-8	
Vinyl acetate	ND	ug/m3	533	201	744		02/06/20 14:35	108-05-4	
Vinyl chloride	ND	ug/m3	19.3	17.1	744		02/06/20 14:35	75-01-4	
m&p-Xylene	ND	ug/m3	1320	520	744		02/06/20 14:35	179601-23-1	
o-Xylene	ND	ug/m3	657	256	744		02/06/20 14:35	95-47-6	

Sample: SS-1 A:012720 Cert 3452 **Lab ID: 10506908002** Collected: 01/27/20 15:52 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/18/20 10:27	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/18/20 10:27	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/18/20 10:27	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/18/20 10:27	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/18/20 10:27	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/18/20 10:27	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/18/20 10:27	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/18/20 10:27	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/18/20 10:27	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/18/20 10:27	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/18/20 10:27	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/18/20 10:27	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/18/20 10:27	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/18/20 10:27	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/18/20 10:27	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/18/20 10:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/18/20 10:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/18/20 10:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/18/20 10:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/18/20 10:27	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/18/20 10:27	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/18/20 10:27	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/18/20 10:27	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-1 A:012720 Cert 3452 **Lab ID: 10506908002** Collected: 01/27/20 15:52 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/18/20 10:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/18/20 10:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/18/20 10:27	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/18/20 10:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/18/20 10:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/18/20 10:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/18/20 10:27	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/18/20 10:27	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/18/20 10:27	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/18/20 10:27	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/18/20 10:27	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/18/20 10:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/18/20 10:27	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/18/20 10:27	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/18/20 10:27	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/18/20 10:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/18/20 10:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/18/20 10:27	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/18/20 10:27	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/18/20 10:27	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/18/20 10:27	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/18/20 10:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/18/20 10:27	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/18/20 10:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/18/20 10:27	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/18/20 10:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/18/20 10:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/18/20 10:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/18/20 10:27	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/18/20 10:27	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/18/20 10:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/18/20 10:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/18/20 10:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/18/20 10:27	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/18/20 10:27	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/18/20 10:27	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/18/20 10:27	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/18/20 10:27	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-2 A:012720 **Lab ID: 10506908003** Collected: 01/27/20 15:56 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**37.2**	ug/m3	16.1	8.1	6.7		02/07/20 01:21	67-64-1	
Benzene	**2.6**	ug/m3	0.22	0.14	6.7		02/07/20 01:21	71-43-2	
Benzyl chloride	ND	ug/m3	17.6	8.0	6.7		02/07/20 01:21	100-44-7	
Bromodichloromethane	**1.5**	ug/m3	0.46	0.34	6.7		02/07/20 01:21	75-27-4	
Bromoform	ND	ug/m3	35.2	9.5	6.7		02/07/20 01:21	75-25-2	
Bromomethane	ND	ug/m3	5.3	1.5	6.7		02/07/20 01:21	74-83-9	
1,3-Butadiene	ND	ug/m3	0.15	0.14	6.7		02/07/20 01:21	106-99-0	
2-Butanone (MEK)	ND	ug/m3	20.1	2.5	6.7		02/07/20 01:21	78-93-3	
Carbon disulfide	**41.8**	ug/m3	4.2	1.5	6.7		02/07/20 01:21	75-15-0	
Carbon tetrachloride	**1.9**	ug/m3	0.43	0.28	6.7		02/07/20 01:21	56-23-5	
Chlorobenzene	ND	ug/m3	6.3	1.8	6.7		02/07/20 01:21	108-90-7	
Chloroethane	ND	ug/m3	3.6	1.7	6.7		02/07/20 01:21	75-00-3	
Chloroform	**82.6**	ug/m3	0.33	0.19	6.7		02/07/20 01:21	67-66-3	
Chloromethane	ND	ug/m3	2.8	1.0	6.7		02/07/20 01:21	74-87-3	
Cyclohexane	ND	ug/m3	11.7	2.4	6.7		02/07/20 01:21	110-82-7	
Dibromochloromethane	ND	ug/m3	11.6	4.8	6.7		02/07/20 01:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.52	0.48	6.7		02/07/20 01:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	8.2	3.3	6.7		02/07/20 01:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	8.2	3.9	6.7		02/07/20 01:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	20.5	6.7	6.7		02/07/20 01:21	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	6.8	2.0	6.7		02/07/20 01:21	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.28	0.16	6.7		02/07/20 01:21	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.28	0.15	6.7		02/07/20 01:21	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.27	0.23	6.7		02/07/20 01:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.27	0.18	6.7		02/07/20 01:21	156-59-2	
trans-1,2-Dichloroethene	**0.40**	ug/m3	0.27	0.25	6.7		02/07/20 01:21	156-60-5	
1,2-Dichloropropane	**0.33**	ug/m3	0.31	0.19	6.7		02/07/20 01:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.31	0.24	6.7		02/07/20 01:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.31	0.27	6.7		02/07/20 01:21	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	9.5	2.9	6.7		02/07/20 01:21	76-14-2	
Ethanol	**102**	ug/m3	12.9	5.4	6.7		02/07/20 01:21	64-17-5	
Ethyl acetate	**19.7**	ug/m3	4.9	1.3	6.7		02/07/20 01:21	141-78-6	
Ethylbenzene	**15.6**	ug/m3	5.9	2.0	6.7		02/07/20 01:21	100-41-4	
4-Ethyltoluene	ND	ug/m3	16.8	3.8	6.7		02/07/20 01:21	622-96-8	
n-Heptane	**13.2**	ug/m3	5.6	2.5	6.7		02/07/20 01:21	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	36.3	13.2	6.7		02/07/20 01:21	87-68-3	
n-Hexane	**18.0**	ug/m3	4.8	2.1	6.7		02/07/20 01:21	110-54-3	
2-Hexanone	ND	ug/m3	27.9	5.0	6.7		02/07/20 01:21	591-78-6	
Methylene Chloride	**114**	ug/m3	23.7	8.1	6.7		02/07/20 01:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	27.9	3.5	6.7		02/07/20 01:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	24.5	4.4	6.7		02/07/20 01:21	1634-04-4	
Naphthalene	ND	ug/m3	17.8	8.8	6.7		02/07/20 01:21	91-20-3	
2-Propanol	ND	ug/m3	16.8	4.7	6.7		02/07/20 01:21	67-63-0	
Propylene	ND	ug/m3	2.3	0.94	6.7		02/07/20 01:21	115-07-1	
Styrene	**18.2**	ug/m3	5.8	2.3	6.7		02/07/20 01:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.47	0.38	6.7		02/07/20 01:21	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-2 A:012720 **Lab ID: 10506908003** Collected: 01/27/20 15:56 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**742**	ug/m3	0.46	0.40	6.7		02/07/20 01:21	127-18-4	
Tetrahydrofuran	ND	ug/m3	4.0	1.7	6.7		02/07/20 01:21	109-99-9	
Toluene	**320**	ug/m3	5.1	2.4	6.7		02/07/20 01:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	50.5	24.9	6.7		02/07/20 01:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.37	0.24	6.7		02/07/20 01:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.37	0.25	6.7		02/07/20 01:21	79-00-5	
Trichloroethene	**3.8**	ug/m3	0.37	0.33	6.7		02/07/20 01:21	79-01-6	
Trichlorofluoromethane	ND	ug/m3	7.6	2.5	6.7		02/07/20 01:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	10.5	3.8	6.7		02/07/20 01:21	76-13-1	
1,2,4-Trimethylbenzene	**10.7**	ug/m3	6.7	3.0	6.7		02/07/20 01:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	6.7	2.7	6.7		02/07/20 01:21	108-67-8	
Vinyl acetate	ND	ug/m3	4.8	1.8	6.7		02/07/20 01:21	108-05-4	
Vinyl chloride	ND	ug/m3	0.17	0.15	6.7		02/07/20 01:21	75-01-4	
m&p-Xylene	**59.6**	ug/m3	11.9	4.7	6.7		02/07/20 01:21	179601-23-1	
o-Xylene	**16.5**	ug/m3	5.9	2.3	6.7		02/07/20 01:21	95-47-6	

Sample: SS-1 A:012720 Cert 1508 **Lab ID: 10506908004** Collected: 01/27/20 15:56 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/18/20 13:28	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/18/20 13:28	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/18/20 13:28	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/18/20 13:28	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/18/20 13:28	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/18/20 13:28	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/18/20 13:28	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/18/20 13:28	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/18/20 13:28	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/18/20 13:28	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/18/20 13:28	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/18/20 13:28	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/18/20 13:28	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/18/20 13:28	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/18/20 13:28	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/18/20 13:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/18/20 13:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/18/20 13:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/18/20 13:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/18/20 13:28	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/18/20 13:28	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/18/20 13:28	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/18/20 13:28	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Sample: SS-1 A:012720 Cert 1508 **Lab ID: 10506908004** Collected: 01/27/20 15:56 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/18/20 13:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/18/20 13:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/18/20 13:28	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/18/20 13:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/18/20 13:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/18/20 13:28	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/18/20 13:28	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/18/20 13:28	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/18/20 13:28	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/18/20 13:28	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/18/20 13:28	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/18/20 13:28	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/18/20 13:28	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/18/20 13:28	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/18/20 13:28	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/18/20 13:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/18/20 13:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/18/20 13:28	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/18/20 13:28	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/18/20 13:28	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/18/20 13:28	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/18/20 13:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/18/20 13:28	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/18/20 13:28	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/18/20 13:28	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/18/20 13:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/18/20 13:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/18/20 13:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/18/20 13:28	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/18/20 13:28	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/18/20 13:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/18/20 13:28	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/18/20 13:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/18/20 13:28	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/18/20 13:28	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/18/20 13:28	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/18/20 13:28	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/18/20 13:28	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

QC Batch: 658706 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10506908001, 10506908003

METHOD BLANK: 3535795 Matrix: Air
Associated Lab Samples: 10506908001, 10506908003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.056	0.036	02/06/20 11:28	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.070	0.056	02/06/20 11:28	
1,1,2-Trichloroethane	ug/m3	ND	0.056	0.037	02/06/20 11:28	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	0.56	02/06/20 11:28	
1,1-Dichloroethane	ug/m3	ND	0.041	0.024	02/06/20 11:28	
1,1-Dichloroethene	ug/m3	ND	0.040	0.035	02/06/20 11:28	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	3.7	02/06/20 11:28	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	0.45	02/06/20 11:28	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.078	0.071	02/06/20 11:28	
1,2-Dichlorobenzene	ug/m3	ND	1.2	0.50	02/06/20 11:28	
1,2-Dichloroethane	ug/m3	ND	0.041	0.023	02/06/20 11:28	
1,2-Dichloropropane	ug/m3	ND	0.047	0.029	02/06/20 11:28	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	0.40	02/06/20 11:28	
1,3-Butadiene	ug/m3	ND	0.022	0.021	02/06/20 11:28	
1,3-Dichlorobenzene	ug/m3	ND	1.2	0.58	02/06/20 11:28	
1,4-Dichlorobenzene	ug/m3	ND	3.1	1.0	02/06/20 11:28	
2-Butanone (MEK)	ug/m3	ND	3.0	0.37	02/06/20 11:28	
2-Hexanone	ug/m3	ND	4.2	0.74	02/06/20 11:28	
2-Propanol	ug/m3	ND	2.5	0.70	02/06/20 11:28	
4-Ethyltoluene	ug/m3	ND	2.5	0.57	02/06/20 11:28	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	0.52	02/06/20 11:28	
Acetone	ug/m3	ND	2.4	1.2	02/06/20 11:28	
Benzene	ug/m3	ND	0.032	0.021	02/06/20 11:28	
Benzyl chloride	ug/m3	ND	2.6	1.2	02/06/20 11:28	
Bromodichloromethane	ug/m3	ND	0.068	0.050	02/06/20 11:28	
Bromoform	ug/m3	ND	5.2	1.4	02/06/20 11:28	
Bromomethane	ug/m3	ND	0.79	0.23	02/06/20 11:28	
Carbon disulfide	ug/m3	ND	0.63	0.22	02/06/20 11:28	
Carbon tetrachloride	ug/m3	ND	0.064	0.042	02/06/20 11:28	
Chlorobenzene	ug/m3	ND	0.94	0.28	02/06/20 11:28	
Chloroethane	ug/m3	ND	0.54	0.26	02/06/20 11:28	
Chloroform	ug/m3	ND	0.050	0.029	02/06/20 11:28	
Chloromethane	ug/m3	ND	0.42	0.16	02/06/20 11:28	
cis-1,2-Dichloroethene	ug/m3	ND	0.040	0.027	02/06/20 11:28	
cis-1,3-Dichloropropene	ug/m3	ND	0.046	0.036	02/06/20 11:28	
Cyclohexane	ug/m3	ND	1.8	0.35	02/06/20 11:28	
Dibromochloromethane	ug/m3	ND	1.7	0.72	02/06/20 11:28	
Dichlorodifluoromethane	ug/m3	ND	1.0	0.29	02/06/20 11:28	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	0.44	02/06/20 11:28	
Ethanol	ug/m3	ND	1.9	0.81	02/06/20 11:28	
Ethyl acetate	ug/m3	ND	0.73	0.19	02/06/20 11:28	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

METHOD BLANK: 3535795 Matrix: Air
Associated Lab Samples: 10506908001, 10506908003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	0.30	02/06/20 11:28	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	2.0	02/06/20 11:28	
m&p-Xylene	ug/m3	ND	1.8	0.70	02/06/20 11:28	
Methyl-tert-butyl ether	ug/m3	ND	3.7	0.66	02/06/20 11:28	
Methylene Chloride	ug/m3	ND	3.5	1.2	02/06/20 11:28	
n-Heptane	ug/m3	ND	0.83	0.38	02/06/20 11:28	
n-Hexane	ug/m3	ND	0.72	0.31	02/06/20 11:28	
Naphthalene	ug/m3	ND	2.7	1.3	02/06/20 11:28	
o-Xylene	ug/m3	ND	0.88	0.34	02/06/20 11:28	
Propylene	ug/m3	ND	0.35	0.14	02/06/20 11:28	
Styrene	ug/m3	ND	0.87	0.34	02/06/20 11:28	
Tetrachloroethene	ug/m3	ND	0.069	0.059	02/06/20 11:28	
Tetrahydrofuran	ug/m3	ND	0.60	0.26	02/06/20 11:28	
Toluene	ug/m3	ND	0.77	0.35	02/06/20 11:28	
trans-1,2-Dichloroethene	ug/m3	ND	0.040	0.037	02/06/20 11:28	
trans-1,3-Dichloropropene	ug/m3	ND	0.046	0.041	02/06/20 11:28	
Trichloroethene	ug/m3	ND	0.055	0.049	02/06/20 11:28	
Trichlorofluoromethane	ug/m3	ND	1.1	0.37	02/06/20 11:28	
Vinyl acetate	ug/m3	ND	0.72	0.27	02/06/20 11:28	
Vinyl chloride	ug/m3	ND	0.026	0.023	02/06/20 11:28	

LABORATORY CONTROL SAMPLE: 3535796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.55	0.58	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	0.7	0.69	98	70-132	
1,1,2-Trichloroethane	ug/m3	0.55	0.58	105	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	89.7	112	70-130	
1,1-Dichloroethane	ug/m3	0.41	0.42	102	70-130	
1,1-Dichloroethene	ug/m3	0.4	0.43	106	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	159	102	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	62.0	120	70-137	
1,2-Dibromoethane (EDB)	ug/m3	0.78	0.77	99	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	73.7	117	70-136	
1,2-Dichloroethane	ug/m3	0.41	0.45	109	70-130	
1,2-Dichloropropane	ug/m3	0.47	0.49	104	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	61.6	119	70-136	
1,3-Butadiene	ug/m3	0.22	0.23	100	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	77.0	121	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	77.1	122	70-145	
2-Butanone (MEK)	ug/m3	31.4	32.2	102	61-130	
2-Hexanone	ug/m3	42.8	50.3	118	70-138	
2-Propanol	ug/m3	119	150	126	70-136	
4-Ethyltoluene	ug/m3	52.4	63.2	121	70-142	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

LABORATORY CONTROL SAMPLE: 3535796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	52.7	121	70-134	
Acetone	ug/m3	126	124	98	59-137	
Benzene	ug/m3	0.32	0.33	103	70-133	
Benzyl chloride	ug/m3	55.1	54.7	99	70-139	
Bromodichloromethane	ug/m3	0.68	0.70	103	70-130	
Bromoform	ug/m3	110	119	108	60-140	
Bromomethane	ug/m3	41.3	36.9	89	70-131	
Carbon disulfide	ug/m3	33.3	42.9	129	70-130	
Carbon tetrachloride	ug/m3	0.64	0.65	102	70-133	
Chlorobenzene	ug/m3	48.3	51.9	108	70-131	
Chloroethane	ug/m3	28.1	29.8	106	70-141	
Chloroform	ug/m3	0.5	0.53	106	70-130	
Chloromethane	ug/m3	21.9	24.0	110	64-137	
cis-1,2-Dichloroethene	ug/m3	0.4	0.40	100	70-132	
cis-1,3-Dichloropropene	ug/m3	0.46	0.44	95	70-138	
Cyclohexane	ug/m3	36.7	42.6	116	70-133	
Dibromochloromethane	ug/m3	90.7	109	121	70-139	
Dichlorodifluoromethane	ug/m3	51.6	55.2	107	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	78.7	108	65-133	
Ethanol	ug/m3	103	126	123	65-135	
Ethyl acetate	ug/m3	38.6	44.2	115	70-135	
Ethylbenzene	ug/m3	45.6	52.3	115	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	128	114	70-134	
m&p-Xylene	ug/m3	91.2	107	117	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	41.7	109	70-131	
Methylene Chloride	ug/m3	182	210	115	69-130	
n-Heptane	ug/m3	43.6	48.8	112	70-130	
n-Hexane	ug/m3	37.6	39.8	106	70-131	
Naphthalene	ug/m3	57.7	60.3	104	63-130	
o-Xylene	ug/m3	45.5	53.2	117	70-135	
Propylene	ug/m3	18.2	18.0	99	63-139	
Styrene	ug/m3	44.9	53.2	118	70-143	
Tetrachloroethene	ug/m3	0.69	0.69	100	70-136	
Tetrahydrofuran	ug/m3	31.5	37.7	120	70-137	
Toluene	ug/m3	39.5	43.9	111	70-136	
trans-1,2-Dichloroethene	ug/m3	0.4	0.39	98	70-132	
trans-1,3-Dichloropropene	ug/m3	0.46	0.43	94	70-139	
Trichloroethene	ug/m3	0.55	0.54	99	70-132	
Trichlorofluoromethane	ug/m3	59.7	66.4	111	65-136	
Vinyl acetate	ug/m3	34.5	37.5	109	66-140	
Vinyl chloride	ug/m3	0.26	0.27	102	68-141	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

SAMPLE DUPLICATE: 3536604

Parameter	Units	10506908003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	10.7	10.5	2	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	.18J		25	
1,2-Dichloropropane	ug/m3	0.33	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	3.6J		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	15J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	9.6J		25	
4-Ethyltoluene	ug/m3	ND	4.1J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	37.2	44.5	18	25	
Benzene	ug/m3	2.6	2.7	1	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	1.5	1.5	1	25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	41.8	32.9	24	25	
Carbon tetrachloride	ug/m3	1.9	1.8	7	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	82.6	83.3	1	25	
Chloromethane	ug/m3	ND	1.1J		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	9.6J		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	3.4J		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	102	118	14	25	
Ethyl acetate	ug/m3	19.7	20.0	2	25	
Ethylbenzene	ug/m3	15.6	15.4	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	59.6	59.6	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	114	125	9	25	
n-Heptane	ug/m3	13.2	12.7	3	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

SAMPLE DUPLICATE: 3536604

Parameter	Units	10506908003 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	18.0	18.2	1	25	
Naphthalene	ug/m3	ND	9.5J		25	
o-Xylene	ug/m3	16.5	16.5	0	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	18.2	18.1	1	25	
Tetrachloroethene	ug/m3	742	732	1	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	320	321	0	25	
trans-1,2-Dichloroethene	ug/m3	0.40	0.38	3	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	3.8	3.8	1	25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 3536605

Parameter	Units	10507466001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	0.11	0.12	2	25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	.78J		25	
2-Hexanone	ug/m3	ND	1.6J		25	
2-Propanol	ug/m3	7.2	7.6	6	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	18.8	19.5	4	25	
Benzene	ug/m3	0.42	0.43	3	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

SAMPLE DUPLICATE: 3536605

Parameter	Units	10507466001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	0.92	0.97	6	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	0.11	0.11	1	25	
Chloromethane	ug/m3	1.2	1.2	2	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.8	2.9	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	33.8	38.4	13	25	
Ethyl acetate	ug/m3	ND	1J		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	3.8J		25	
n-Heptane	ug/m3	ND	1.1J		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	2.2J		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	0.21	0.11	61	25	R1
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	.68J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	0.27	0.27	2	25	
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506908

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10506908001	**SS-1 A:012720**	TO-15	658706		
10506908003	**SS-2 A:012720**	TO-15	658706		
10506908002	**SS-1 A:012720 Cert 3452**	TO-15	658663		
10506908004	**SS-1 A:012720 Cert 1508**	TO-15	658663		

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY

The Chain-of-Custody is a LEGAL DOCUMENT. All relev

WO# : 10506908

10506908

43577

Page: 1 of 1

Section A Required Client Information:

Company: The ELAM Group
Address: 161 LAKEVIEW Dr.
Noblesville, IN 46060
Email To: Chris.Slotter@elamco.com
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: C. Slotter
Copy To: R. Storer
Purchase Order No.:
Project Name: WAKS 2510C
Project Number: 2516 Cherry

Section C Invoice Information:

Attention: Accounts Payable
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 37539

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WA

Reporting Units: ug/m³ X mg/m³ PPBV PPMV Other

Report Level II. III. IV. X Other

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	SS-1 A: 012720	6LC		1/27/20	0755	1/27/20	1552	30.0	5.5	3452	1273					X					001,002
2	SS-2 A: 012720	6LC		"	0800	"	1556	29.9	6.0	1508	0394					X					003,004
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Rachel Storer / ELAM	1/28/20	0832	CM-Z RALE	1/30/20	1130

SAMPLE CONDITIONS

—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Rachel Storer
SIGNATURE of SAMPLER: Rachel Storer
DATE Signed (MM / DD / YY): 1/27/20

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical®	Document Name: Air Sample Condition Upon Receipt	Document Revised: 19Nov2019 Page 1 of 1
	Document No.: F-MN-A-106-rev.20	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt

Client Name: THE ELAM GROUP

Project #: **WO# : 10506908**

PM: CT1 **Due Date: 02/06/20**

CLIENT: ELAM Group

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☒

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X

Thermometer Used: ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** X

Date & Initials of Person Examining Contents: 1/30/20 CMY

Type of ice Received ☐ Blue ☐ Wet ☒ None

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: (Air Can) Airbag Filter TDT Passive				11. Individually Certified Cans (Y) N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge # ☒ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SS-1	3452	1273	-5	-5					
SS-2	1508	0394	-4	-5					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Nathan Boberg **Date:** 1/30/20

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®	Document Name: SCUR Exception Form – Coolers Above 6°C	Document Revised: 08Apr2019 Page 1 of 1
	Document No.: F-MN-C-298-Rev.02	Issuing Authority: Pace Minnesota Quality Office

During sample triage, this form is to be placed in each cooler that arrives above 6.0 degrees Celsius

SCUR Exceptions: **Workorder #:**

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank

Read Temp	Corrected Temp	Average Temp

Tracking Number/Temperature	
1083 0284 2117	
" 2091	
" 2080	
" 2106	
" 2128	
" 2139	

Other Issues

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

February 07, 2020

Jason Oland
The Elam Group
176 W. Logan St.
Noblesville, IN 46060

RE: Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Dear Jason Oland:
Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Chris Sloffer, The Elam Group

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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SAMPLE SUMMARY

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10506929001	**IA-1 A:012720**	Air	01/27/20 15:55	01/30/20 11:30
10506929002	**IA-1 A:012720 Cert 1764**	Air	01/27/20 15:55	01/30/20 11:30
10506929003	**IA-2 A:012720**	Air	01/27/20 15:57	01/30/20 11:30
10506929004	**IA-2 A:012720 Cert 2713**	Air	01/27/20 15:57	01/30/20 11:30
10506929005	**Duplicate IA A:012720**	Air	01/27/20 15:58	01/30/20 11:30
10506929006	**Duplicate IA A:012720 Cert2824**	Air	01/27/20 15:58	01/30/20 11:30
10506929007	**OA 2516 A:012720**	Air	01/27/20 16:10	01/30/20 11:30
10506929008	**OA 2516 A:012720 Cert0948**	Air	01/27/20 16:10	01/30/20 11:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10506929001	**IA-1 A:012720**	TO-15	MLS, NCK	61	PASI-M
10506929002	**IA-1 A:012720 Cert 1764**	TO-15	MJL	61	PASI-M
10506929003	**IA-2 A:012720**	TO-15	NCK	61	PASI-M
10506929004	**IA-2 A:012720 Cert 2713**	TO-15	MJL	61	PASI-M
10506929005	**Duplicate IA A:012720**	TO-15	NCK	61	PASI-M
10506929006	**Duplicate IA A:012720 Cert2824**	TO-15	MJL	61	PASI-M
10506929007	**OA 2516 A:012720**	TO-15	MLS	61	PASI-M
10506929008	**OA 2516 A:012720 Cert0948**	TO-15	NCK	61	PASI-M

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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-1 A:012720 **Lab ID: 10506929001** Collected: 01/27/20 15:55 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**69.1**	ug/m3	3.7	1.9	1.55		02/05/20 14:15	67-64-1	
Benzene	**1.9**	ug/m3	0.050	0.033	1.55		02/05/20 14:15	71-43-2	
Benzyl chloride	ND	ug/m3	4.1	1.9	1.55		02/05/20 14:15	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.078	1.55		02/05/20 14:15	75-27-4	
Bromoform	ND	ug/m3	8.1	2.2	1.55		02/05/20 14:15	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.35	1.55		02/05/20 14:15	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		02/05/20 14:15	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.57	1.55		02/05/20 14:15	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.34	1.55		02/05/20 14:15	75-15-0	
Carbon tetrachloride	**0.81**	ug/m3	0.099	0.065	1.55		02/05/20 14:15	56-23-5	SS
Chlorobenzene	ND	ug/m3	1.5	0.43	1.55		02/05/20 14:15	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.40	1.55		02/05/20 14:15	75-00-3	
Chloroform	**0.44**	ug/m3	0.077	0.045	1.55		02/05/20 14:15	67-66-3	
Chloromethane	ND	ug/m3	0.65	0.24	1.55		02/05/20 14:15	74-87-3	
Cyclohexane	ND	ug/m3	2.7	0.55	1.55		02/05/20 14:15	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.1	1.55		02/05/20 14:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.11	1.55		02/05/20 14:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.77	1.55		02/05/20 14:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.90	1.55		02/05/20 14:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.6	1.55		02/05/20 14:15	106-46-7	
Dichlorodifluoromethane	**2.7**	ug/m3	1.6	0.45	1.55		02/05/20 14:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.037	1.55		02/05/20 14:15	75-34-3	
1,2-Dichloroethane	**0.090**	ug/m3	0.064	0.036	1.55		02/05/20 14:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.054	1.55		02/05/20 14:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.042	1.55		02/05/20 14:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.057	1.55		02/05/20 14:15	156-60-5	
1,2-Dichloropropane	**0.092**	ug/m3	0.073	0.045	1.55		02/05/20 14:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.056	1.55		02/05/20 14:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.064	1.55		02/05/20 14:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.68	1.55		02/05/20 14:15	76-14-2	
Ethanol	**718**	ug/m3	3.0	1.3	1.55		02/05/20 14:15	64-17-5	E
Ethyl acetate	**2.4**	ug/m3	1.1	0.29	1.55		02/05/20 14:15	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.47	1.55		02/05/20 14:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.9	0.88	1.55		02/05/20 14:15	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.59	1.55		02/05/20 14:15	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	3.1	1.55		02/05/20 14:15	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.48	1.55		02/05/20 14:15	110-54-3	
2-Hexanone	ND	ug/m3	6.4	1.2	1.55		02/05/20 14:15	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	1.9	1.55		02/05/20 14:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.80	1.55		02/05/20 14:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		02/05/20 14:15	1634-04-4	
Naphthalene	ND	ug/m3	4.1	2.0	1.55		02/05/20 14:15	91-20-3	
2-Propanol	**5.1**	ug/m3	3.9	1.1	1.55		02/05/20 14:15	67-63-0	
Propylene	ND	ug/m3	0.54	0.22	1.55		02/05/20 14:15	115-07-1	
Styrene	ND	ug/m3	1.3	0.53	1.55		02/05/20 14:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.087	1.55		02/05/20 14:15	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-1 A:012720 **Lab ID: 10506929001** Collected: 01/27/20 15:55 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**4.1**	ug/m3	0.11	0.091	1.55		02/05/20 14:15	127-18-4	
Tetrahydrofuran	**1.5**	ug/m3	0.93	0.40	1.55		02/05/20 14:15	109-99-9	
Toluene	**2.5**	ug/m3	1.2	0.54	1.55		02/05/20 14:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	5.8	1.55		02/05/20 14:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.056	1.55		02/05/20 14:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.057	1.55		02/05/20 14:15	79-00-5	
Trichloroethene	ND	ug/m3	0.085	0.076	1.55		02/05/20 14:15	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.57	1.55		02/05/20 14:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.87	1.55		02/05/20 14:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.70	1.55		02/05/20 14:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.62	1.55		02/05/20 14:15	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.42	1.55		02/05/20 14:15	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.036	1.55		02/05/20 14:15	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	1.1	1.55		02/05/20 14:15	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.53	1.55		02/05/20 14:15	95-47-6	

Sample: IA-1 A:012720 Cert 1764 **Lab ID: 10506929002** Collected: 01/27/20 15:55 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/18/20 11:27	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/18/20 11:27	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/18/20 11:27	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/18/20 11:27	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/18/20 11:27	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/18/20 11:27	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/18/20 11:27	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/18/20 11:27	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/18/20 11:27	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/18/20 11:27	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/18/20 11:27	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/18/20 11:27	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/18/20 11:27	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/18/20 11:27	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/18/20 11:27	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/18/20 11:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/18/20 11:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/18/20 11:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/18/20 11:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/18/20 11:27	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/18/20 11:27	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/18/20 11:27	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/18/20 11:27	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-1 A:012720 Cert 1764 **Lab ID: 10506929002** Collected: 01/27/20 15:55 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/18/20 11:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/18/20 11:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/18/20 11:27	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/18/20 11:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/18/20 11:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/18/20 11:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/18/20 11:27	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/18/20 11:27	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/18/20 11:27	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/18/20 11:27	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/18/20 11:27	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/18/20 11:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/18/20 11:27	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/18/20 11:27	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/18/20 11:27	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/18/20 11:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/18/20 11:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/18/20 11:27	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/18/20 11:27	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/18/20 11:27	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/18/20 11:27	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/18/20 11:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/18/20 11:27	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/18/20 11:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/18/20 11:27	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/18/20 11:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/18/20 11:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/18/20 11:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/18/20 11:27	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/18/20 11:27	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/18/20 11:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/18/20 11:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/18/20 11:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/18/20 11:27	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/18/20 11:27	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/18/20 11:27	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/18/20 11:27	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/18/20 11:27	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-2 A:012720 **Lab ID: 10506929003** Collected: 01/27/20 15:57 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**207**	ug/m3	3.9	1.9	1.61		02/06/20 23:26	67-64-1	
Benzene	**2.1**	ug/m3	0.052	0.034	1.61		02/06/20 23:26	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	1.9	1.61		02/06/20 23:26	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.080	1.61		02/06/20 23:26	75-27-4	
Bromoform	ND	ug/m3	8.5	2.3	1.61		02/06/20 23:26	75-25-2	
Bromomethane	ND	ug/m3	1.3	0.37	1.61		02/06/20 23:26	74-83-9	
1,3-Butadiene	ND	ug/m3	0.036	0.034	1.61		02/06/20 23:26	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.8	0.59	1.61		02/06/20 23:26	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	0.35	1.61		02/06/20 23:26	75-15-0	
Carbon tetrachloride	**0.43**	ug/m3	0.10	0.068	1.61		02/06/20 23:26	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.44	1.61		02/06/20 23:26	108-90-7	
Chloroethane	ND	ug/m3	0.86	0.42	1.61		02/06/20 23:26	75-00-3	
Chloroform	**1.1**	ug/m3	0.080	0.047	1.61		02/06/20 23:26	67-66-3	
Chloromethane	ND	ug/m3	0.68	0.25	1.61		02/06/20 23:26	74-87-3	
Cyclohexane	ND	ug/m3	2.8	0.57	1.61		02/06/20 23:26	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.2	1.61		02/06/20 23:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.13	0.11	1.61		02/06/20 23:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	0.80	1.61		02/06/20 23:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	0.94	1.61		02/06/20 23:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.9	1.6	1.61		02/06/20 23:26	106-46-7	
Dichlorodifluoromethane	**2.8**	ug/m3	1.6	0.47	1.61		02/06/20 23:26	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.066	0.039	1.61		02/06/20 23:26	75-34-3	
1,2-Dichloroethane	**0.098**	ug/m3	0.066	0.037	1.61		02/06/20 23:26	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.065	0.056	1.61		02/06/20 23:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.065	0.043	1.61		02/06/20 23:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.065	0.060	1.61		02/06/20 23:26	156-60-5	
1,2-Dichloropropane	**0.089**	ug/m3	0.076	0.047	1.61		02/06/20 23:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.074	0.058	1.61		02/06/20 23:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.074	0.066	1.61		02/06/20 23:26	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	0.70	1.61		02/06/20 23:26	76-14-2	
Ethanol	**1290**	ug/m3	3.1	1.3	1.61		02/06/20 23:26	64-17-5	E
Ethyl acetate	**2.5**	ug/m3	1.2	0.31	1.61		02/06/20 23:26	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.49	1.61		02/06/20 23:26	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.0	0.92	1.61		02/06/20 23:26	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.61	1.61		02/06/20 23:26	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.7	3.2	1.61		02/06/20 23:26	87-68-3	
n-Hexane	**1.6**	ug/m3	1.2	0.50	1.61		02/06/20 23:26	110-54-3	
2-Hexanone	ND	ug/m3	6.7	1.2	1.61		02/06/20 23:26	591-78-6	
Methylene Chloride	ND	ug/m3	5.7	1.9	1.61		02/06/20 23:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	0.83	1.61		02/06/20 23:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.1	1.61		02/06/20 23:26	1634-04-4	
Naphthalene	ND	ug/m3	4.3	2.1	1.61		02/06/20 23:26	91-20-3	
2-Propanol	**5.4**	ug/m3	4.0	1.1	1.61		02/06/20 23:26	67-63-0	
Propylene	ND	ug/m3	0.56	0.23	1.61		02/06/20 23:26	115-07-1	
Styrene	ND	ug/m3	1.4	0.55	1.61		02/06/20 23:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.090	1.61		02/06/20 23:26	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-2 A:012720 **Lab ID: 10506929003** Collected: 01/27/20 15:57 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**7.2**	ug/m3	0.11	0.095	1.61		02/06/20 23:26	127-18-4	
Tetrahydrofuran	**1.9**	ug/m3	0.97	0.42	1.61		02/06/20 23:26	109-99-9	
Toluene	**2.9**	ug/m3	1.2	0.57	1.61		02/06/20 23:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	12.1	6.0	1.61		02/06/20 23:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.089	0.058	1.61		02/06/20 23:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.089	0.060	1.61		02/06/20 23:26	79-00-5	
Trichloroethene	ND	ug/m3	0.088	0.079	1.61		02/06/20 23:26	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.59	1.61		02/06/20 23:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	0.91	1.61		02/06/20 23:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	0.73	1.61		02/06/20 23:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	0.64	1.61		02/06/20 23:26	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	0.43	1.61		02/06/20 23:26	108-05-4	
Vinyl chloride	ND	ug/m3	0.042	0.037	1.61		02/06/20 23:26	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	1.1	1.61		02/06/20 23:26	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.55	1.61		02/06/20 23:26	95-47-6	

Sample: IA-2 A:012720 Cert 2713 **Lab ID: 10506929004** Collected: 01/27/20 15:57 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/18/20 11:57	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/18/20 11:57	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/18/20 11:57	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/18/20 11:57	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/18/20 11:57	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/18/20 11:57	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/18/20 11:57	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/18/20 11:57	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/18/20 11:57	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/18/20 11:57	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/18/20 11:57	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/18/20 11:57	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/18/20 11:57	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/18/20 11:57	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/18/20 11:57	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/18/20 11:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/18/20 11:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/18/20 11:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/18/20 11:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/18/20 11:57	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/18/20 11:57	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/18/20 11:57	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/18/20 11:57	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: IA-2 A:012720 Cert 2713 **Lab ID: 10506929004** Collected: 01/27/20 15:57 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/18/20 11:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/18/20 11:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/18/20 11:57	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/18/20 11:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/18/20 11:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/18/20 11:57	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/18/20 11:57	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/18/20 11:57	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/18/20 11:57	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/18/20 11:57	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/18/20 11:57	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/18/20 11:57	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/18/20 11:57	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/18/20 11:57	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/18/20 11:57	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/18/20 11:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/18/20 11:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/18/20 11:57	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/18/20 11:57	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/18/20 11:57	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/18/20 11:57	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/18/20 11:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/18/20 11:57	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/18/20 11:57	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/18/20 11:57	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/18/20 11:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/18/20 11:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/18/20 11:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/18/20 11:57	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/18/20 11:57	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/18/20 11:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/18/20 11:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/18/20 11:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/18/20 11:57	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/18/20 11:57	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/18/20 11:57	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/18/20 11:57	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/18/20 11:57	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: Duplicate IA A:012720 **Lab ID: 10506929005** Collected: 01/27/20 15:58 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**193**	ug/m3	3.9	1.9	1.61		02/06/20 23:56	67-64-1	
Benzene	**2.1**	ug/m3	0.052	0.034	1.61		02/06/20 23:56	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	1.9	1.61		02/06/20 23:56	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.080	1.61		02/06/20 23:56	75-27-4	
Bromoform	ND	ug/m3	8.5	2.3	1.61		02/06/20 23:56	75-25-2	
Bromomethane	ND	ug/m3	1.3	0.37	1.61		02/06/20 23:56	74-83-9	
1,3-Butadiene	ND	ug/m3	0.036	0.034	1.61		02/06/20 23:56	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.8	0.59	1.61		02/06/20 23:56	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	0.35	1.61		02/06/20 23:56	75-15-0	
Carbon tetrachloride	**0.68**	ug/m3	0.10	0.068	1.61		02/06/20 23:56	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.44	1.61		02/06/20 23:56	108-90-7	
Chloroethane	ND	ug/m3	0.86	0.42	1.61		02/06/20 23:56	75-00-3	
Chloroform	**1.1**	ug/m3	0.080	0.047	1.61		02/06/20 23:56	67-66-3	
Chloromethane	ND	ug/m3	0.68	0.25	1.61		02/06/20 23:56	74-87-3	
Cyclohexane	ND	ug/m3	2.8	0.57	1.61		02/06/20 23:56	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.2	1.61		02/06/20 23:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.13	0.11	1.61		02/06/20 23:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	0.80	1.61		02/06/20 23:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	0.94	1.61		02/06/20 23:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.9	1.6	1.61		02/06/20 23:56	106-46-7	
Dichlorodifluoromethane	**2.9**	ug/m3	1.6	0.47	1.61		02/06/20 23:56	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.066	0.039	1.61		02/06/20 23:56	75-34-3	
1,2-Dichloroethane	**0.099**	ug/m3	0.066	0.037	1.61		02/06/20 23:56	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.065	0.056	1.61		02/06/20 23:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.065	0.043	1.61		02/06/20 23:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.065	0.060	1.61		02/06/20 23:56	156-60-5	
1,2-Dichloropropane	**0.085**	ug/m3	0.076	0.047	1.61		02/06/20 23:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.074	0.058	1.61		02/06/20 23:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.074	0.066	1.61		02/06/20 23:56	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	0.70	1.61		02/06/20 23:56	76-14-2	
Ethanol	**1200**	ug/m3	3.1	1.3	1.61		02/06/20 23:56	64-17-5	E
Ethyl acetate	**2.6**	ug/m3	1.2	0.31	1.61		02/06/20 23:56	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.49	1.61		02/06/20 23:56	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.0	0.92	1.61		02/06/20 23:56	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.61	1.61		02/06/20 23:56	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.7	3.2	1.61		02/06/20 23:56	87-68-3	
n-Hexane	**1.4**	ug/m3	1.2	0.50	1.61		02/06/20 23:56	110-54-3	
2-Hexanone	ND	ug/m3	6.7	1.2	1.61		02/06/20 23:56	591-78-6	
Methylene Chloride	ND	ug/m3	5.7	1.9	1.61		02/06/20 23:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	0.83	1.61		02/06/20 23:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.1	1.61		02/06/20 23:56	1634-04-4	
Naphthalene	ND	ug/m3	4.3	2.1	1.61		02/06/20 23:56	91-20-3	
2-Propanol	**5.0**	ug/m3	4.0	1.1	1.61		02/06/20 23:56	67-63-0	
Propylene	ND	ug/m3	0.56	0.23	1.61		02/06/20 23:56	115-07-1	
Styrene	ND	ug/m3	1.4	0.55	1.61		02/06/20 23:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.090	1.61		02/06/20 23:56	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: Duplicate IA A:012720 **Lab ID: 10506929005** Collected: 01/27/20 15:58 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**8.0**	ug/m3	0.11	0.095	1.61		02/06/20 23:56	127-18-4	
Tetrahydrofuran	**2.0**	ug/m3	0.97	0.42	1.61		02/06/20 23:56	109-99-9	
Toluene	**3.3**	ug/m3	1.2	0.57	1.61		02/06/20 23:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	12.1	6.0	1.61		02/06/20 23:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.089	0.058	1.61		02/06/20 23:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.089	0.060	1.61		02/06/20 23:56	79-00-5	
Trichloroethene	ND	ug/m3	0.088	0.079	1.61		02/06/20 23:56	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.59	1.61		02/06/20 23:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	0.91	1.61		02/06/20 23:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	0.73	1.61		02/06/20 23:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	0.64	1.61		02/06/20 23:56	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	0.43	1.61		02/06/20 23:56	108-05-4	
Vinyl chloride	ND	ug/m3	0.042	0.037	1.61		02/06/20 23:56	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	1.1	1.61		02/06/20 23:56	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.55	1.61		02/06/20 23:56	95-47-6	

Sample: Duplicate IA A:012720 Cert2824 **Lab ID: 10506929006** Collected: 01/27/20 15:58 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/18/20 14:29	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/18/20 14:29	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/18/20 14:29	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/18/20 14:29	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/18/20 14:29	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/18/20 14:29	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/18/20 14:29	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/18/20 14:29	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/18/20 14:29	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/18/20 14:29	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/18/20 14:29	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/18/20 14:29	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/18/20 14:29	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/18/20 14:29	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/18/20 14:29	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/18/20 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/18/20 14:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/18/20 14:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/18/20 14:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/18/20 14:29	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/18/20 14:29	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/18/20 14:29	75-34-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: Duplicate IA A:012720 Cert2824 **Lab ID: 10506929006** Collected: 01/27/20 15:58 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/18/20 14:29	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/18/20 14:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/18/20 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/18/20 14:29	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/18/20 14:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/18/20 14:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/18/20 14:29	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/18/20 14:29	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/18/20 14:29	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/18/20 14:29	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/18/20 14:29	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/18/20 14:29	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/18/20 14:29	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/18/20 14:29	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/18/20 14:29	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/18/20 14:29	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/18/20 14:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/18/20 14:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/18/20 14:29	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/18/20 14:29	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/18/20 14:29	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/18/20 14:29	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/18/20 14:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/18/20 14:29	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/18/20 14:29	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/18/20 14:29	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/18/20 14:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/18/20 14:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/18/20 14:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/18/20 14:29	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/18/20 14:29	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/18/20 14:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/18/20 14:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/18/20 14:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/18/20 14:29	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/18/20 14:29	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/18/20 14:29	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/18/20 14:29	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/18/20 14:29	95-47-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
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(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: OA 2516 A:012720 **Lab ID: 10506929007** Collected: 01/27/20 16:10 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**20.5**	ug/m3	3.7	1.9	1.55		02/05/20 16:12	67-64-1	
Benzene	**2.5**	ug/m3	0.050	0.033	1.55		02/05/20 16:12	71-43-2	
Benzyl chloride	ND	ug/m3	4.1	1.9	1.55		02/05/20 16:12	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.078	1.55		02/05/20 16:12	75-27-4	
Bromoform	ND	ug/m3	8.1	2.2	1.55		02/05/20 16:12	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.35	1.55		02/05/20 16:12	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		02/05/20 16:12	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.57	1.55		02/05/20 16:12	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.34	1.55		02/05/20 16:12	75-15-0	
Carbon tetrachloride	**0.69**	ug/m3	0.099	0.065	1.55		02/05/20 16:12	56-23-5	SS
Chlorobenzene	ND	ug/m3	1.5	0.43	1.55		02/05/20 16:12	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.40	1.55		02/05/20 16:12	75-00-3	
Chloroform	**0.50**	ug/m3	0.077	0.045	1.55		02/05/20 16:12	67-66-3	
Chloromethane	**1.2**	ug/m3	0.65	0.24	1.55		02/05/20 16:12	74-87-3	
Cyclohexane	**3.4**	ug/m3	2.7	0.55	1.55		02/05/20 16:12	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.1	1.55		02/05/20 16:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.11	1.55		02/05/20 16:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.77	1.55		02/05/20 16:12	95-50-1	
1,3-Dichlorobenzene	**2.2**	ug/m3	1.9	0.90	1.55		02/05/20 16:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.6	1.55		02/05/20 16:12	106-46-7	
Dichlorodifluoromethane	**2.6**	ug/m3	1.6	0.45	1.55		02/05/20 16:12	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.037	1.55		02/05/20 16:12	75-34-3	
1,2-Dichloroethane	**0.097**	ug/m3	0.064	0.036	1.55		02/05/20 16:12	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.054	1.55		02/05/20 16:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.042	1.55		02/05/20 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.057	1.55		02/05/20 16:12	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.045	1.55		02/05/20 16:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.056	1.55		02/05/20 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.064	1.55		02/05/20 16:12	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.68	1.55		02/05/20 16:12	76-14-2	
Ethanol	**281**	ug/m3	3.0	1.3	1.55		02/05/20 16:12	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.29	1.55		02/05/20 16:12	141-78-6	
Ethylbenzene	**5.4**	ug/m3	1.4	0.47	1.55		02/05/20 16:12	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.9	0.88	1.55		02/05/20 16:12	622-96-8	
n-Heptane	**3.7**	ug/m3	1.3	0.59	1.55		02/05/20 16:12	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	3.1	1.55		02/05/20 16:12	87-68-3	
n-Hexane	**4.3**	ug/m3	1.1	0.48	1.55		02/05/20 16:12	110-54-3	
2-Hexanone	ND	ug/m3	6.4	1.2	1.55		02/05/20 16:12	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	1.9	1.55		02/05/20 16:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.80	1.55		02/05/20 16:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		02/05/20 16:12	1634-04-4	
Naphthalene	ND	ug/m3	4.1	2.0	1.55		02/05/20 16:12	91-20-3	
2-Propanol	**17.9**	ug/m3	3.9	1.1	1.55		02/05/20 16:12	67-63-0	
Propylene	**1.3**	ug/m3	0.54	0.22	1.55		02/05/20 16:12	115-07-1	
Styrene	ND	ug/m3	1.3	0.53	1.55		02/05/20 16:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.087	1.55		02/05/20 16:12	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: OA 2516 A:012720 **Lab ID: 10506929007** Collected: 01/27/20 16:10 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**1.3**	ug/m3	0.11	0.091	1.55		02/05/20 16:12	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.40	1.55		02/05/20 16:12	109-99-9	
Toluene	**22.9**	ug/m3	1.2	0.54	1.55		02/05/20 16:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	5.8	1.55		02/05/20 16:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.056	1.55		02/05/20 16:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.057	1.55		02/05/20 16:12	79-00-5	
Trichloroethene	**0.087**	ug/m3	0.085	0.076	1.55		02/05/20 16:12	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.57	1.55		02/05/20 16:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.87	1.55		02/05/20 16:12	76-13-1	
1,2,4-Trimethylbenzene	**7.2**	ug/m3	1.5	0.70	1.55		02/05/20 16:12	95-63-6	
1,3,5-Trimethylbenzene	**2.4**	ug/m3	1.5	0.62	1.55		02/05/20 16:12	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.42	1.55		02/05/20 16:12	108-05-4	
Vinyl chloride	**0.042**	ug/m3	0.040	0.036	1.55		02/05/20 16:12	75-01-4	
m&p-Xylene	**20.7**	ug/m3	2.7	1.1	1.55		02/05/20 16:12	179601-23-1	
o-Xylene	**8.3**	ug/m3	1.4	0.53	1.55		02/05/20 16:12	95-47-6	

Sample: OA 2516 A:012720 Cert0948 **Lab ID: 10506929008** Collected: 01/27/20 16:10 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
Acetone	ND	ug/m3	2.4	1.2	1		01/19/20 15:05	67-64-1	
Benzene	ND	ug/m3	0.032	0.021	1		01/19/20 15:05	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1.2	1		01/19/20 15:05	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.050	1		01/19/20 15:05	75-27-4	
Bromoform	ND	ug/m3	5.2	1.4	1		01/19/20 15:05	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.23	1		01/19/20 15:05	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.021	1		01/19/20 15:05	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.37	1		01/19/20 15:05	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.22	1		01/19/20 15:05	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.042	1		01/19/20 15:05	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.28	1		01/19/20 15:05	108-90-7	
Chloroethane	ND	ug/m3	0.54	0.26	1		01/19/20 15:05	75-00-3	
Chloroform	ND	ug/m3	0.050	0.029	1		01/19/20 15:05	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.16	1		01/19/20 15:05	74-87-3	
Cyclohexane	ND	ug/m3	1.8	0.35	1		01/19/20 15:05	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.72	1		01/19/20 15:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.071	1		01/19/20 15:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.50	1		01/19/20 15:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.2	0.58	1		01/19/20 15:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1.0	1		01/19/20 15:05	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.29	1		01/19/20 15:05	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.024	1		01/19/20 15:05	75-34-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Sample: OA 2516 A:012720 Cert0948 **Lab ID: 10506929008** Collected: 01/27/20 16:10 Received: 01/30/20 11:30 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Individual SimScan Cert	Analytical Method: TO-15								
1,2-Dichloroethane	ND	ug/m3	0.041	0.023	1		01/19/20 15:05	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.040	0.035	1		01/19/20 15:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.027	1		01/19/20 15:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.037	1		01/19/20 15:05	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.029	1		01/19/20 15:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.036	1		01/19/20 15:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.041	1		01/19/20 15:05	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		01/19/20 15:05	76-14-2	
Ethanol	ND	ug/m3	1.9	0.81	1		01/19/20 15:05	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.19	1		01/19/20 15:05	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.30	1		01/19/20 15:05	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	0.57	1		01/19/20 15:05	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.38	1		01/19/20 15:05	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.0	1		01/19/20 15:05	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.31	1		01/19/20 15:05	110-54-3	
2-Hexanone	ND	ug/m3	4.2	0.74	1		01/19/20 15:05	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.2	1		01/19/20 15:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.52	1		01/19/20 15:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.66	1		01/19/20 15:05	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1.3	1		01/19/20 15:05	91-20-3	
2-Propanol	ND	ug/m3	2.5	0.70	1		01/19/20 15:05	67-63-0	
Propylene	ND	ug/m3	0.35	0.14	1		01/19/20 15:05	115-07-1	
Styrene	ND	ug/m3	0.87	0.34	1		01/19/20 15:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.056	1		01/19/20 15:05	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.059	1		01/19/20 15:05	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.26	1		01/19/20 15:05	109-99-9	
Toluene	ND	ug/m3	0.77	0.35	1		01/19/20 15:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	3.7	1		01/19/20 15:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.036	1		01/19/20 15:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.037	1		01/19/20 15:05	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.049	1		01/19/20 15:05	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.37	1		01/19/20 15:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.56	1		01/19/20 15:05	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	0.45	1		01/19/20 15:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	0.40	1		01/19/20 15:05	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.27	1		01/19/20 15:05	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.023	1		01/19/20 15:05	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	0.70	1		01/19/20 15:05	179601-23-1	
o-Xylene	ND	ug/m3	0.88	0.34	1		01/19/20 15:05	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

QC Batch: 658485 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10506929001, 10506929007

METHOD BLANK: 3534889 Matrix: Air
Associated Lab Samples: 10506929001, 10506929007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.056	0.036	02/05/20 12:23	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.070	0.056	02/05/20 12:23	
1,1,2-Trichloroethane	ug/m3	ND	0.056	0.037	02/05/20 12:23	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	0.56	02/05/20 12:23	
1,1-Dichloroethane	ug/m3	ND	0.041	0.024	02/05/20 12:23	
1,1-Dichloroethene	ug/m3	ND	0.040	0.035	02/05/20 12:23	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	3.7	02/05/20 12:23	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	0.45	02/05/20 12:23	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.078	0.071	02/05/20 12:23	
1,2-Dichlorobenzene	ug/m3	ND	1.2	0.50	02/05/20 12:23	
1,2-Dichloroethane	ug/m3	ND	0.041	0.023	02/05/20 12:23	
1,2-Dichloropropane	ug/m3	ND	0.047	0.029	02/05/20 12:23	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	0.40	02/05/20 12:23	
1,3-Butadiene	ug/m3	ND	0.022	0.021	02/05/20 12:23	
1,3-Dichlorobenzene	ug/m3	ND	1.2	0.58	02/05/20 12:23	
1,4-Dichlorobenzene	ug/m3	ND	3.1	1.0	02/05/20 12:23	
2-Butanone (MEK)	ug/m3	ND	3.0	0.37	02/05/20 12:23	
2-Hexanone	ug/m3	ND	4.2	0.74	02/05/20 12:23	
2-Propanol	ug/m3	ND	2.5	0.70	02/05/20 12:23	
4-Ethyltoluene	ug/m3	ND	2.5	0.57	02/05/20 12:23	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	0.52	02/05/20 12:23	
Acetone	ug/m3	ND	2.4	1.2	02/05/20 12:23	
Benzene	ug/m3	ND	0.032	0.021	02/05/20 12:23	
Benzyl chloride	ug/m3	ND	2.6	1.2	02/05/20 12:23	
Bromodichloromethane	ug/m3	ND	0.068	0.050	02/05/20 12:23	
Bromoform	ug/m3	ND	5.2	1.4	02/05/20 12:23	
Bromomethane	ug/m3	ND	0.79	0.23	02/05/20 12:23	
Carbon disulfide	ug/m3	ND	0.63	0.22	02/05/20 12:23	
Carbon tetrachloride	ug/m3	ND	0.064	0.042	02/05/20 12:23	
Chlorobenzene	ug/m3	ND	0.94	0.28	02/05/20 12:23	
Chloroethane	ug/m3	ND	0.54	0.26	02/05/20 12:23	
Chloroform	ug/m3	ND	0.050	0.029	02/05/20 12:23	
Chloromethane	ug/m3	ND	0.42	0.16	02/05/20 12:23	
cis-1,2-Dichloroethene	ug/m3	ND	0.040	0.027	02/05/20 12:23	
cis-1,3-Dichloropropene	ug/m3	ND	0.046	0.036	02/05/20 12:23	
Cyclohexane	ug/m3	ND	1.8	0.35	02/05/20 12:23	
Dibromochloromethane	ug/m3	ND	1.7	0.72	02/05/20 12:23	
Dichlorodifluoromethane	ug/m3	ND	1.0	0.29	02/05/20 12:23	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	0.44	02/05/20 12:23	
Ethanol	ug/m3	ND	1.9	0.81	02/05/20 12:23	
Ethyl acetate	ug/m3	ND	0.73	0.19	02/05/20 12:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

METHOD BLANK: 3534889 Matrix: Air
Associated Lab Samples: 10506929001, 10506929007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	0.30	02/05/20 12:23	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	2.0	02/05/20 12:23	
m&p-Xylene	ug/m3	ND	1.8	0.70	02/05/20 12:23	
Methyl-tert-butyl ether	ug/m3	ND	3.7	0.66	02/05/20 12:23	
Methylene Chloride	ug/m3	ND	3.5	1.2	02/05/20 12:23	
n-Heptane	ug/m3	ND	0.83	0.38	02/05/20 12:23	
n-Hexane	ug/m3	ND	0.72	0.31	02/05/20 12:23	
Naphthalene	ug/m3	ND	2.7	1.3	02/05/20 12:23	
o-Xylene	ug/m3	ND	0.88	0.34	02/05/20 12:23	
Propylene	ug/m3	ND	0.35	0.14	02/05/20 12:23	
Styrene	ug/m3	ND	0.87	0.34	02/05/20 12:23	
Tetrachloroethene	ug/m3	ND	0.069	0.059	02/05/20 12:23	
Tetrahydrofuran	ug/m3	ND	0.60	0.26	02/05/20 12:23	
Toluene	ug/m3	ND	0.77	0.35	02/05/20 12:23	
trans-1,2-Dichloroethene	ug/m3	ND	0.040	0.037	02/05/20 12:23	
trans-1,3-Dichloropropene	ug/m3	ND	0.046	0.041	02/05/20 12:23	
Trichloroethene	ug/m3	ND	0.055	0.049	02/05/20 12:23	
Trichlorofluoromethane	ug/m3	ND	1.1	0.37	02/05/20 12:23	
Vinyl acetate	ug/m3	ND	0.72	0.27	02/05/20 12:23	
Vinyl chloride	ug/m3	ND	0.026	0.023	02/05/20 12:23	

LABORATORY CONTROL SAMPLE: 3534890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.57	0.57	100	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	0.72	0.80	112	70-132	
1,1,2-Trichloroethane	ug/m3	0.57	0.64	111	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.8	102	70-130	
1,1-Dichloroethane	ug/m3	0.43	0.43	101	70-130	
1,1-Dichloroethene	ug/m3	0.41	0.42	102	69-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	74.3	99	70-130	
1,2,4-Trimethylbenzene	ug/m3	50	58.8	118	70-137	
1,2-Dibromoethane (EDB)	ug/m3	0.8	0.90	112	70-138	
1,2-Dichlorobenzene	ug/m3	61.1	63.4	104	70-136	
1,2-Dichloroethane	ug/m3	0.42	0.46	108	70-130	
1,2-Dichloropropane	ug/m3	0.49	0.49	100	70-132	
1,3,5-Trimethylbenzene	ug/m3	50	57.3	115	70-136	
1,3-Butadiene	ug/m3	0.23	0.24	102	67-139	
1,3-Dichlorobenzene	ug/m3	61.1	62.9	103	70-138	
1,4-Dichlorobenzene	ug/m3	61.1	62.6	103	70-145	
2-Butanone (MEK)	ug/m3	30	27.6	92	61-130	
2-Hexanone	ug/m3	41.6	50.1	120	70-138	
2-Propanol	ug/m3	125	150	120	70-136	
4-Ethyltoluene	ug/m3	50	61.0	122	70-142	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

LABORATORY CONTROL SAMPLE: 3534890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	47.9	115	70-134	
Acetone	ug/m3	121	145	120	59-137	
Benzene	ug/m3	0.34	0.34	100	70-133	
Benzyl chloride	ug/m3	52.6	49.7	94	70-139	
Bromodichloromethane	ug/m3	0.72	0.76	106	70-130	
Bromoform	ug/m3	105	87.2	83	60-140	
Bromomethane	ug/m3	39.5	38.0	96	70-131	
Carbon disulfide	ug/m3	31.6	34.2	108	70-130	
Carbon tetrachloride	ug/m3	0.66	0.63	95	70-133	SS
Chlorobenzene	ug/m3	46.8	49.8	106	70-131	
Chloroethane	ug/m3	26.8	27.0	101	70-141	
Chloroform	ug/m3	0.51	0.52	102	70-130	
Chloromethane	ug/m3	21	21.5	102	64-137	
cis-1,2-Dichloroethene	ug/m3	0.42	0.42	101	70-132	
cis-1,3-Dichloropropene	ug/m3	0.48	0.51	107	70-138	
Cyclohexane	ug/m3	35	37.2	106	70-133	
Dibromochloromethane	ug/m3	86.6	101	117	70-139	
Dichlorodifluoromethane	ug/m3	50.3	50.0	99	70-130	
Dichlorotetrafluoroethane	ug/m3	71	67.9	96	65-133	
Ethanol	ug/m3	95.8	99.0	103	65-135	
Ethyl acetate	ug/m3	36.6	40.5	111	70-135	
Ethylbenzene	ug/m3	44.1	48.3	109	70-142	
Hexachloro-1,3-butadiene	ug/m3	108	129	119	70-134	
m&p-Xylene	ug/m3	88.3	96.8	110	70-141	
Methyl-tert-butyl ether	ug/m3	36.6	37.1	101	70-131	
Methylene Chloride	ug/m3	177	179	101	69-130	
n-Heptane	ug/m3	41.7	42.0	101	70-130	
n-Hexane	ug/m3	35.8	37.7	105	70-131	
Naphthalene	ug/m3	53.3	52.6	99	63-130	
o-Xylene	ug/m3	44.1	48.0	109	70-135	
Propylene	ug/m3	17.5	17.8	102	63-139	
Styrene	ug/m3	43.3	52.6	121	70-143	
Tetrachloroethene	ug/m3	0.71	0.80	113	70-136	
Tetrahydrofuran	ug/m3	30	33.3	111	70-137	
Toluene	ug/m3	38.3	38.9	102	70-136	
trans-1,2-Dichloroethene	ug/m3	0.42	0.42	101	70-132	
trans-1,3-Dichloropropene	ug/m3	0.48	0.52	108	70-139	
Trichloroethene	ug/m3	0.56	0.57	101	70-132	
Trichlorofluoromethane	ug/m3	57.1	56.5	99	65-136	
Vinyl acetate	ug/m3	35.8	39.2	109	66-140	
Vinyl chloride	ug/m3	0.27	0.28	103	68-141	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

SAMPLE DUPLICATE: 3535652

Parameter	Units	10506929007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	.041J		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	7.2	7.2	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	0.097	0.096	1	25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	2.4	2.3	5	25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	2.2	2.2	1	25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	1.1J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	17.9	17.5	2	25	
4-Ethyltoluene	ug/m3	ND	2.5J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	20.5	18.9	8	25	
Benzene	ug/m3	2.5	2.4	3	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	0.69	0.68	2	25	SS
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	0.50	0.49	2	25	
Chloromethane	ug/m3	1.2	1.2	1	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	3.4	3.3	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.6	2.5	7	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	281	274	3	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	5.4	5.2	4	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	20.7	19.8	4	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	3.7	3.4	8	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

SAMPLE DUPLICATE: 3535652

Parameter	Units	10506929007 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	4.3	4.0	7	25	
Naphthalene	ug/m3	ND	2.3J		25	
o-Xylene	ug/m3	8.3	8.2	2	25	
Propylene	ug/m3	1.3	1.2	10	25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	1.3	1.3	2	25	
Tetrahydrofuran	ug/m3	ND	.72J		25	
Toluene	ug/m3	22.9	21.6	6	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	0.087	0.086	1	25	
Trichlorofluoromethane	ug/m3	ND	1.2J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	0.042	0.041	4	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

QC Batch: 658706
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10506929003, 10506929005

METHOD BLANK: 3535795
Matrix: Air
Associated Lab Samples: 10506929003, 10506929005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.056	0.036	02/06/20 11:28	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.070	0.056	02/06/20 11:28	
1,1,2-Trichloroethane	ug/m3	ND	0.056	0.037	02/06/20 11:28	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	0.56	02/06/20 11:28	
1,1-Dichloroethane	ug/m3	ND	0.041	0.024	02/06/20 11:28	
1,1-Dichloroethene	ug/m3	ND	0.040	0.035	02/06/20 11:28	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	3.7	02/06/20 11:28	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	0.45	02/06/20 11:28	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.078	0.071	02/06/20 11:28	
1,2-Dichlorobenzene	ug/m3	ND	1.2	0.50	02/06/20 11:28	
1,2-Dichloroethane	ug/m3	ND	0.041	0.023	02/06/20 11:28	
1,2-Dichloropropane	ug/m3	ND	0.047	0.029	02/06/20 11:28	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	0.40	02/06/20 11:28	
1,3-Butadiene	ug/m3	ND	0.022	0.021	02/06/20 11:28	
1,3-Dichlorobenzene	ug/m3	ND	1.2	0.58	02/06/20 11:28	
1,4-Dichlorobenzene	ug/m3	ND	3.1	1.0	02/06/20 11:28	
2-Butanone (MEK)	ug/m3	ND	3.0	0.37	02/06/20 11:28	
2-Hexanone	ug/m3	ND	4.2	0.74	02/06/20 11:28	
2-Propanol	ug/m3	ND	2.5	0.70	02/06/20 11:28	
4-Ethyltoluene	ug/m3	ND	2.5	0.57	02/06/20 11:28	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	0.52	02/06/20 11:28	
Acetone	ug/m3	ND	2.4	1.2	02/06/20 11:28	
Benzene	ug/m3	ND	0.032	0.021	02/06/20 11:28	
Benzyl chloride	ug/m3	ND	2.6	1.2	02/06/20 11:28	
Bromodichloromethane	ug/m3	ND	0.068	0.050	02/06/20 11:28	
Bromoform	ug/m3	ND	5.2	1.4	02/06/20 11:28	
Bromomethane	ug/m3	ND	0.79	0.23	02/06/20 11:28	
Carbon disulfide	ug/m3	ND	0.63	0.22	02/06/20 11:28	
Carbon tetrachloride	ug/m3	ND	0.064	0.042	02/06/20 11:28	
Chlorobenzene	ug/m3	ND	0.94	0.28	02/06/20 11:28	
Chloroethane	ug/m3	ND	0.54	0.26	02/06/20 11:28	
Chloroform	ug/m3	ND	0.050	0.029	02/06/20 11:28	
Chloromethane	ug/m3	ND	0.42	0.16	02/06/20 11:28	
cis-1,2-Dichloroethene	ug/m3	ND	0.040	0.027	02/06/20 11:28	
cis-1,3-Dichloropropene	ug/m3	ND	0.046	0.036	02/06/20 11:28	
Cyclohexane	ug/m3	ND	1.8	0.35	02/06/20 11:28	
Dibromochloromethane	ug/m3	ND	1.7	0.72	02/06/20 11:28	
Dichlorodifluoromethane	ug/m3	ND	1.0	0.29	02/06/20 11:28	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	0.44	02/06/20 11:28	
Ethanol	ug/m3	ND	1.9	0.81	02/06/20 11:28	
Ethyl acetate	ug/m3	ND	0.73	0.19	02/06/20 11:28	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

METHOD BLANK: 3535795 Matrix: Air
Associated Lab Samples: 10506929003, 10506929005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	0.30	02/06/20 11:28	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	2.0	02/06/20 11:28	
m&p-Xylene	ug/m3	ND	1.8	0.70	02/06/20 11:28	
Methyl-tert-butyl ether	ug/m3	ND	3.7	0.66	02/06/20 11:28	
Methylene Chloride	ug/m3	ND	3.5	1.2	02/06/20 11:28	
n-Heptane	ug/m3	ND	0.83	0.38	02/06/20 11:28	
n-Hexane	ug/m3	ND	0.72	0.31	02/06/20 11:28	
Naphthalene	ug/m3	ND	2.7	1.3	02/06/20 11:28	
o-Xylene	ug/m3	ND	0.88	0.34	02/06/20 11:28	
Propylene	ug/m3	ND	0.35	0.14	02/06/20 11:28	
Styrene	ug/m3	ND	0.87	0.34	02/06/20 11:28	
Tetrachloroethene	ug/m3	ND	0.069	0.059	02/06/20 11:28	
Tetrahydrofuran	ug/m3	ND	0.60	0.26	02/06/20 11:28	
Toluene	ug/m3	ND	0.77	0.35	02/06/20 11:28	
trans-1,2-Dichloroethene	ug/m3	ND	0.040	0.037	02/06/20 11:28	
trans-1,3-Dichloropropene	ug/m3	ND	0.046	0.041	02/06/20 11:28	
Trichloroethene	ug/m3	ND	0.055	0.049	02/06/20 11:28	
Trichlorofluoromethane	ug/m3	ND	1.1	0.37	02/06/20 11:28	
Vinyl acetate	ug/m3	ND	0.72	0.27	02/06/20 11:28	
Vinyl chloride	ug/m3	ND	0.026	0.023	02/06/20 11:28	

LABORATORY CONTROL SAMPLE: 3535796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.55	0.58	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	0.7	0.69	98	70-132	
1,1,2-Trichloroethane	ug/m3	0.55	0.58	105	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	89.7	112	70-130	
1,1-Dichloroethane	ug/m3	0.41	0.42	102	70-130	
1,1-Dichloroethene	ug/m3	0.4	0.43	106	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	159	102	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	62.0	120	70-137	
1,2-Dibromoethane (EDB)	ug/m3	0.78	0.77	99	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	73.7	117	70-136	
1,2-Dichloroethane	ug/m3	0.41	0.45	109	70-130	
1,2-Dichloropropane	ug/m3	0.47	0.49	104	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	61.6	119	70-136	
1,3-Butadiene	ug/m3	0.22	0.23	100	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	77.0	121	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	77.1	122	70-145	
2-Butanone (MEK)	ug/m3	31.4	32.2	102	61-130	
2-Hexanone	ug/m3	42.8	50.3	118	70-138	
2-Propanol	ug/m3	119	150	126	70-136	
4-Ethyltoluene	ug/m3	52.4	63.2	121	70-142	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

LABORATORY CONTROL SAMPLE: 3535796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	52.7	121	70-134	
Acetone	ug/m3	126	124	98	59-137	
Benzene	ug/m3	0.32	0.33	103	70-133	
Benzyl chloride	ug/m3	55.1	54.7	99	70-139	
Bromodichloromethane	ug/m3	0.68	0.70	103	70-130	
Bromoform	ug/m3	110	119	108	60-140	
Bromomethane	ug/m3	41.3	36.9	89	70-131	
Carbon disulfide	ug/m3	33.3	42.9	129	70-130	
Carbon tetrachloride	ug/m3	0.64	0.65	102	70-133	
Chlorobenzene	ug/m3	48.3	51.9	108	70-131	
Chloroethane	ug/m3	28.1	29.8	106	70-141	
Chloroform	ug/m3	0.5	0.53	106	70-130	
Chloromethane	ug/m3	21.9	24.0	110	64-137	
cis-1,2-Dichloroethene	ug/m3	0.4	0.40	100	70-132	
cis-1,3-Dichloropropene	ug/m3	0.46	0.44	95	70-138	
Cyclohexane	ug/m3	36.7	42.6	116	70-133	
Dibromochloromethane	ug/m3	90.7	109	121	70-139	
Dichlorodifluoromethane	ug/m3	51.6	55.2	107	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	78.7	108	65-133	
Ethanol	ug/m3	103	126	123	65-135	
Ethyl acetate	ug/m3	38.6	44.2	115	70-135	
Ethylbenzene	ug/m3	45.6	52.3	115	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	128	114	70-134	
m&p-Xylene	ug/m3	91.2	107	117	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	41.7	109	70-131	
Methylene Chloride	ug/m3	182	210	115	69-130	
n-Heptane	ug/m3	43.6	48.8	112	70-130	
n-Hexane	ug/m3	37.6	39.8	106	70-131	
Naphthalene	ug/m3	57.7	60.3	104	63-130	
o-Xylene	ug/m3	45.5	53.2	117	70-135	
Propylene	ug/m3	18.2	18.0	99	63-139	
Styrene	ug/m3	44.9	53.2	118	70-143	
Tetrachloroethene	ug/m3	0.69	0.69	100	70-136	
Tetrahydrofuran	ug/m3	31.5	37.7	120	70-137	
Toluene	ug/m3	39.5	43.9	111	70-136	
trans-1,2-Dichloroethene	ug/m3	0.4	0.39	98	70-132	
trans-1,3-Dichloropropene	ug/m3	0.46	0.43	94	70-139	
Trichloroethene	ug/m3	0.55	0.54	99	70-132	
Trichlorofluoromethane	ug/m3	59.7	66.4	111	65-136	
Vinyl acetate	ug/m3	34.5	37.5	109	66-140	
Vinyl chloride	ug/m3	0.26	0.27	102	68-141	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

SAMPLE DUPLICATE: 3536604

Parameter	Units	10506908003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	10.7	10.5	2	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	.18J		25	
1,2-Dichloropropane	ug/m3	0.33	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	3.6J		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	15J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	9.6J		25	
4-Ethyltoluene	ug/m3	ND	4.1J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	37.2	44.5	18	25	
Benzene	ug/m3	2.6	2.7	1	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	1.5	1.5	1	25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	41.8	32.9	24	25	
Carbon tetrachloride	ug/m3	1.9	1.8	7	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	82.6	83.3	1	25	
Chloromethane	ug/m3	ND	1.1J		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	9.6J		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	3.4J		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	102	118	14	25	
Ethyl acetate	ug/m3	19.7	20.0	2	25	
Ethylbenzene	ug/m3	15.6	15.4	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	59.6	59.6	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	114	125	9	25	
n-Heptane	ug/m3	13.2	12.7	3	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

SAMPLE DUPLICATE: 3536604

Parameter	Units	10506908003 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	18.0	18.2	1	25	
Naphthalene	ug/m3	ND	9.5J		25	
o-Xylene	ug/m3	16.5	16.5	0	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	18.2	18.1	1	25	
Tetrachloroethene	ug/m3	742	732	1	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	320	321	0	25	
trans-1,2-Dichloroethene	ug/m3	0.40	0.38	3	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	3.8	3.8	1	25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 3536605

Parameter	Units	10507466001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	0.11	0.12	2	25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	.78J		25	
2-Hexanone	ug/m3	ND	1.6J		25	
2-Propanol	ug/m3	7.2	7.6	6	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	18.8	19.5	4	25	
Benzene	ug/m3	0.42	0.43	3	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

SAMPLE DUPLICATE: 3536605

Parameter	Units	10507466001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	0.92	0.97	6	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	0.11	0.11	1	25	
Chloromethane	ug/m3	1.2	1.2	2	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.8	2.9	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	33.8	38.4	13	25	
Ethyl acetate	ug/m3	ND	1J		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	3.8J		25	
n-Heptane	ug/m3	ND	1.1J		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	2.2J		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	0.21	0.11	61	25	R1
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	.68J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	0.27	0.27	2	25	
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
R1	RPD value was outside control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2516 Cherry WAKS 2510C
Pace Project No.: 10506929

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10506929001	**IA-1 A:012720**	TO-15	658485		
10506929003	**IA-2 A:012720**	TO-15	658706		
10506929005	**Duplicate IA A:012720**	TO-15	658706		
10506929007	**OA 2516 A:012720**	TO-15	658485		
10506929002	**IA-1 A:012720 Cert 1764**	TO-15	658663		
10506929004	**IA-2 A:012720 Cert 2713**	TO-15	658663		
10506929006	**Duplicate IA A:012720 Cert2824**	TO-15	658663		
10506929008	**OA 2516 A:012720 Cert0948**	TO-15	658663		

Pace Analytical®
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AIR: CHAIN-OF-CUSTODY

The Chain-of-Custody is a LEGAL DOCUMENT. All relev

WO# : 10506929

10506929

43573

Page: 1 of 1

Section A Required Client Information:

Company: The ELAM Group
Address: 161 Lakeview Dr, Steb Noblesville, IN
Email To: Chris.slaffer@elamusa.com
Phone: Fax:

Section B Required Project Information:

Report To: C. Slaffer
Copy To: R. Storer
Purchase Order No.:
Project Name: WAKS 25KC
Project Number: 2516 Cherry

Section C Invoice Information:

Attention: Accounts Payable
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 37539

Requested Due Date/TAT:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WA

Reporting Units: ug/m³ X mg/m³ PPBV PPMV Other

Report Level: II. III. IV. X Other

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA-1 A:012720	1LC		1/27/20	0757	1/27/20	1556	30.0	5.5	~~3~~	1275					X					001,002
2	IA-2 A:012720	↓		↓	0810	↓	1557	30.0	5.0	2713	1447					↓					003,004
3	Duplicate IA A:012720				0812		1558	30.0	6.0	2824	1255										005,006
4	OA 2516 A:012720				0819		1610	29.5	6.0	0948	0210										007,008
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Kadie Storer / ELAM	1/28/20	0832	[signature] PACE	1/30/20	1130

SAMPLE CONDITIONS

—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kadie Storer
SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 01/27/20

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical®	Document Name: Air Sample Condition Upon Receipt	Document Revised: 19Nov2019 Page 1 of 1
	Document No.: F-MN-A-106-rev.20	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt **Client Name:** THE ELAM GROUP **Project #:** WO#: 10506929

PM: CT1 Due Date: 02/06/20

CLIENT: ELAM Group

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☒

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 1/30/20 cmy

Type of ice Received ☐ Blue ☐ Wet ☒ None

		Comments:
Chain of Custody Present?	☒ Yes ☐ No	1.
Chain of Custody Filled Out?	☒ Yes ☐ No	2.
Chain of Custody Relinquished?	☒ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☒ No	6.
Rush Turn Around Time Requested?	☐ Yes ☒ No	7.
Sufficient Volume?	☒ Yes ☐ No	8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☐ No ☒ Yes ☐ No	9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes ☐ No	10.
Media: (Air Can) Airbag Filter TDT Passive		11. Individually Certified Cans (Y) N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes ☐ No	12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes ☐ No	13.

Gauge # ☒ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
IA-1	1764	0677	-4	-5					
IA-2	2713	1447	-5	-5					
DUPLICATE	2824	1255	-5	-5					
OA 2516	0948	0210	-4	-5					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Nathan Boberg **Date:** 1/30/20

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of

Pace Analytical®	Document Name: SCUR Exception Form – Coolers Above 6°C	Document Revised: 08Apr2019 Page 1 of 1
	Document No.: F-MN-C-298-Rev.02	Issuing Authority: Pace Minnesota Quality Office

During sample triage, this form is to be placed in each cooler that arrives above 6.0 degrees Celsius

SCUR Exceptions: **Workorder #:**

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank

Read Temp	Corrected Temp	Average Temp

Tracking Number/Temperature

1083 0284 2117	
" 2091	
" 2080	
" 2106	
" 2128	
" 2139	

Other Issues

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	