TheELAMGroup

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

November 7, 2018

Ms. Sonia Fernandez
Voluntary Cleanup Program ("VCP")
Washington Department of Ecology ("ECY")
Northwest Regional Office
3190 160th Ave SE
Bellevue, WA 98008-5452

VIA CERTIFIED MAIL

Re: Commercial Building Vapor Intrusion Assessments at 2516 & 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 Ms. Fernandez:

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 within the Tana Market commercial building space located at 2518 East Cherry Street ("2518"). The prior VI conducted during June of 2017 was not conducted during the "reasonable worst case" VI scenario.[1,2] This reassessment was conducted to address the recommendation in the prior report, which was to conduct another VIA during the "reasonable worst case" scenario in order to understand the seasonal variability of VI potential. The following narrative describes this work.

[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 11/7/18).

[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.

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 historic 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 conducted. The results were reported to Ecology in a VIA reported, 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

[3] Ecology, 2017, *Cherry Street Cleaners*, Ecology: https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4175 (URL last accessed 4/24/18).
[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.

reduction in PCE in the SGss and to understand the seasonal variability of the COC concentrations. The following narrative describes the work in response to this recommendation.

Work Plan Rationale

This VIA provides seasonal variability that may be coupled with the prior sampling event conducted on 6/29/17.

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 2/28/18, The ELAM Group surveyed the chemicals housed within each building. No chemicals were identified at 2518 that would serve as indoor air contaminant sources relating to the COCs, so none were removed. By contrast, several chemicals containing VOCs were removed from 2516. Not less than 48 hours after the chemicals were removed, 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 from 2516 and 2518 collected during February 2018 once again complied with Ecology's respective Commercial SGSLs and IACLs. The lone exception (SS-1) evidenced a concentration of PCE that was 350% higher than in June of 2017 (8,550 ug/m^3 vs. 1,900 ug/m^3). This concentration exceeds Ecology's SGSL for PCE, but the corresponding indoor air concentrations remain lower than the Commercial IACLs. This condition exists in 2516, which is closer to the former Cherry Street Cleaners.

Despite the higher concentration in the SGss under the "reasonable worst case" VI scenario, it is notably lower than the historically highest 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 historic COC concentrations are summarized in Table 1, and the most recent COC concentrations are shown on Figure 2.

Based on these results, we have the following findings:

1. The "reasonable worst case" VI scenario applies to 2516 and 2518. Therefore, future sampling events should be conducted during this "heating season" period.
2. The data support our assertion that the building's demolition is largely responsible for the release of entrapped soil gas and that the release of such gas after demolition has resulted in a lower "worst case" SGss result in the adjacent 2518 building structure.

Chloroform

With the exception of a single subslab sample from SS-2, Chloroform did not exceed Ecology's Commercial SGSL at 2516. This same condition held true during the June 2017 sampling event, albeit at a lower concentration.

At 2518, the chlorofrom concentration from both IA samples exceeded Ecology's Commercial IACL, but neither of the SGss samples exceeded the SGSL. In June of 2017, only one IA sample collected from IA-4 exceeded the Commercial IACL, and it was at a lower concentration.

The source of the chloroform may be a result of cleaning activities. Chlorine bleach can react with ethanol to produce chloroform. 2516 is a bar serving alcoholic beverages, and 2518 sells alcoholic beverages at retail. If chlorine bleach is used to disinfect within either 2516 or 2518 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.[5] 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] 2522 adjoins the east side of 2518.[4]

An inspection of our historic groundwater data shows that the highest concentration of CT is from MW-23, which is located where the former Neighborhood Cleaners/Unique Cleaners once existed.[6] CT has also been detected at MW-9, which is also near the former Neighborhood/Unique Cleaners. More recent data that have not been published as of this writing 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. The ISS property is located at 720 E. 25th Street, which is northwest of 2516 and 2518. 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

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

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 Cherry Street Cleaners.

Petroleum-based Chemicals

Finally, several petroleum-based or petroleum-related chemicals were detected at concentrations greater than Ecology's SGSLs and IACLs, including benzene, 1,2-dichloroethane,[7,8] naphthalene, 1,2,4-trimethylbenzene and m&p-xylene. However, these chemicals are associated with gasoline and are therefore unrelated to the PCE and daughter product COCs associated with the former Cherry Street Cleaners.

Summary and Recommendation

Based on the February 2018 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 and 6/29/17, we have now accumulated five consecutive data sets that suggest that the IA samples have remained in compliance with the IACLs consistent with Ecology's Opinion from 11/17/14. Should the property usage change, 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, a VIA in 2516 should be conducted annually. This monitoring should continue until the SGss

[7] 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.
[8] 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)

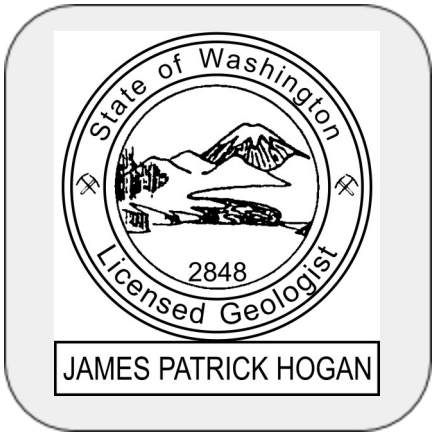
concentrations reduce below the applicable IACLs and SGSLs for two consecutive events. If the property use changes to Residential, VIAs in both 2516 and 2518 should be conducted annually.

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: 2018.11.07 14:23:43 -05'00'

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	Vinyl Chloride	Benzene	1,2-Dichloro-ethane	Chloroform	Napthalene	1,2,4-Trimethyl-benzene	m&p-Xylene
									Chemical Abstracts Service Registry Number ("CASRN")	127-18-4	79-01-6	75-01-4	71-43-2	107-06-2	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	0.11	0.07	3.20	46
									2015 Indoor Air Cleanup Level, Method C	96	6.30	2.80	3.21	0.96	1.09	0.74	7.0	100
									2015 Sub-Slab Soil Gas Screening Level, Method B	321	12	9.33	11	3.21	3.62	2.45	107	1,524
									2015 Sub-Slab Soil Gas Screening Level, Method C	3,205	210	93	107	32.05	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	<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	<0.046	**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	<0.049	**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	<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	<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	<0.041	**0.59**	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	<0.042	**0.61**	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	<0.042	0.40	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	<0.21	<1.3	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	<0.087	<0.54	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	<0.15	**0.66**	<0.16	**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**	<0.15	1.5	0.80	**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	<0.15	**0.57**	<0.12	**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	<0.15	**9.1**	<0.15	**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	<0.15	1.3	0.63	**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	<0.040	**1.6**	0.089	**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	<0.055	1.0	<0.087	**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**	<0.054	**1.9**	**0.12**	**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	<0.037	0.79	<0.059	**143**	<3.8	<1.4	<2.5
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	<0.043	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	<0.043	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	<0.043	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	<0.042	**1.1**	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	<0.085	**0.90**	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	<0.044	0.44	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	<0.087	**0.88**	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	<0.11	**0.74**	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	<0.15	**0.79**	**0.62**	**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	<0.15	1.7	<0.15	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**	<0.15	**2.8**	**1.6**	**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	<0.15	1.4	<0.15	**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	0.047	**1.2**	0.091	**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	<0.040	0.97	0.094	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**	<0.036	**1.8**	**0.12**	**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	<0.040	**1.7**	**0.13**	**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	<0.040	3.6	<0.064	**4.3**	<4.1	<1.5	<2.7
Outdoor Air																		
October 2012	Outdoor	AMB-1	10/23/12	Outdoor Air	6L Summa	NA	-30+	-5	TO-15	0.68	<0.17	<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	<0.040	0.75	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	<0.042	0.30	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	<0.15	0.44	<0.15	<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	<0.036	0.87	0.083	0.14	<3.7	<1.4	<2.5

Notes:

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

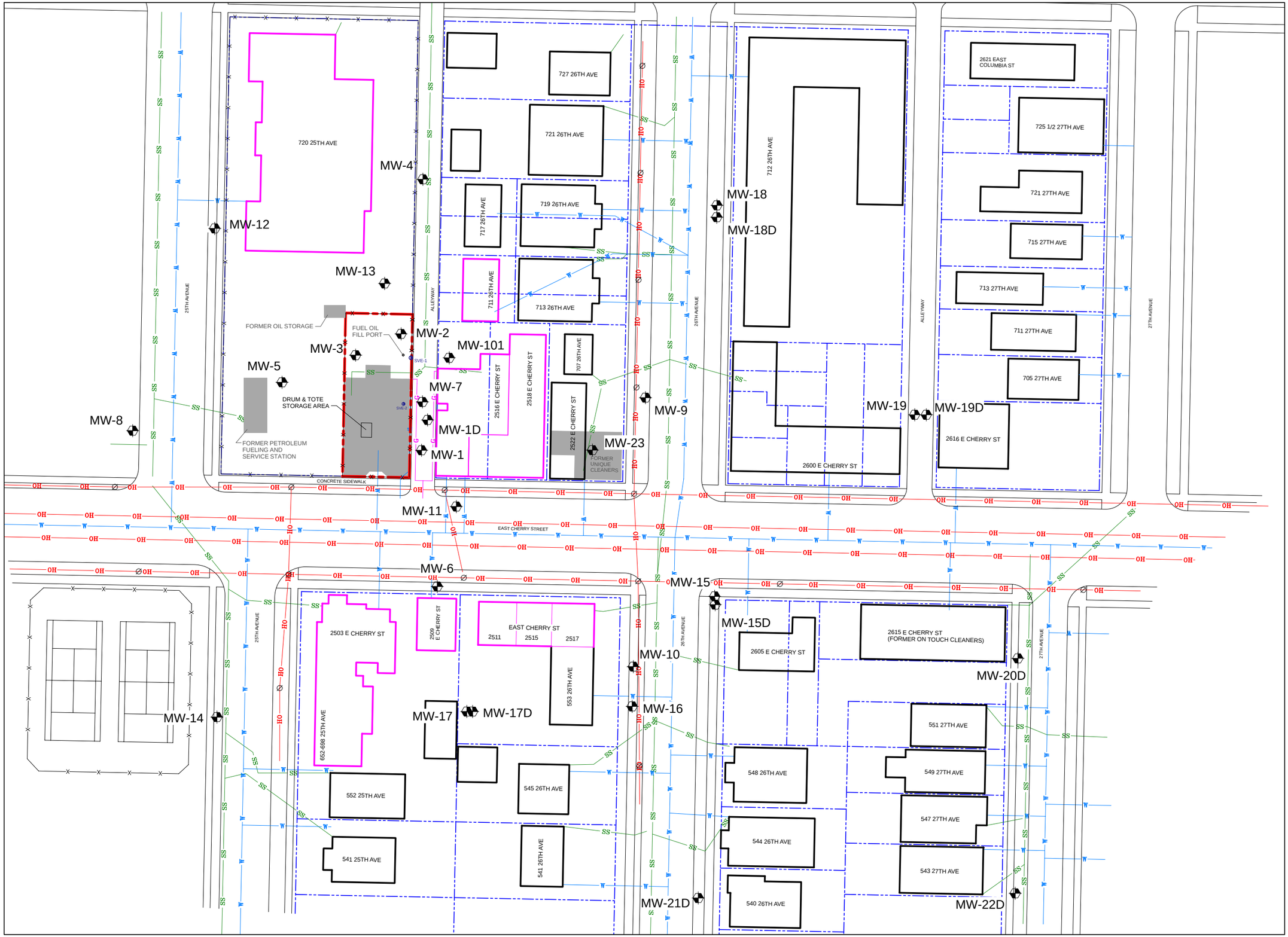
2. All results are displayed for PCE and its daughter compounds, TCE and vinyl chloride. The other compounds presented contain at least one sample that was detected at a concentration greater than the applicable screening level.

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

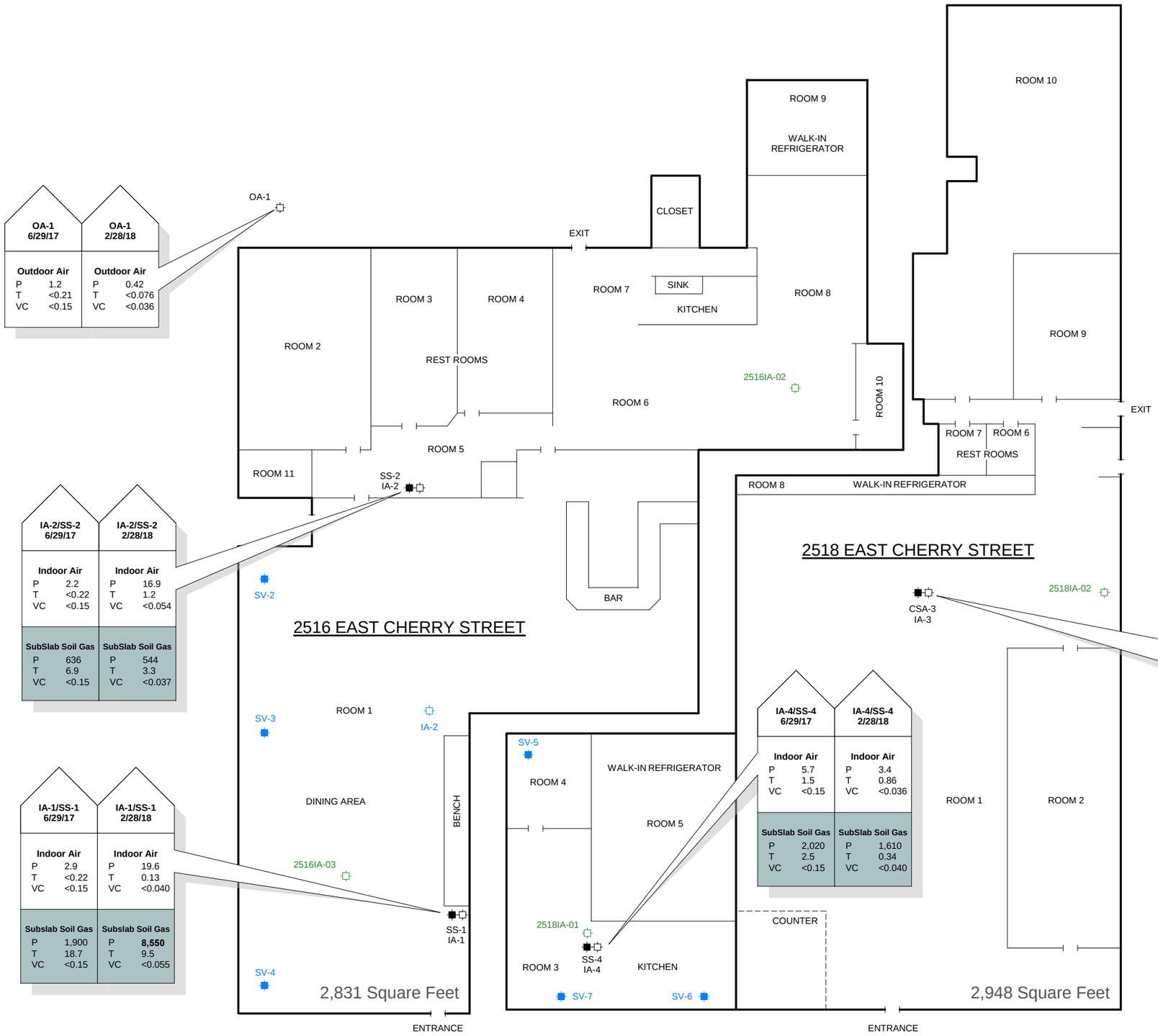
State of Washington
2848
Licensed Geologist
JAMES PATRICK HOGAN

Notes:

N

0 30 60

Figure No: 1
Title: Site Map
Scale: 1" = 60'
Project No: WAKS2510C9.4
Report: VIA Report
Drawn by: The ELAM Group
Date: 11/7/2018



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LEGEND

- Air Sampling Point
- Subslab/Crawl Space Soil Gas Sampling Point
- Air Sampling Point (2012)
- Subslab/Crawl Space Soil Gas Sampling Point (2012)
- Air Sampling Point (2013)

State of Washington 2848 Licensed Geologist JAMES PATRICK HOGAN

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: 04/24/2018

Attachment A

VIA 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 and 2518 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 buildings were 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 four IA samples, three SGss samples, one CSA sample and one outdoor air ("OA") sample. Each one-story building is approximately 3,000 square feet. The 2516 Cherry Street building is constructed on a slab, whereas the 2518 Cherry Street building is constructed on a slab with a portion of the building constructed on a crawl space. VIA samples were collected as follows:

- ❏ 2516 Cherry Street: First Floor - Two SGss samples paired with two IA samples and one OA Sample
- ❏ 2518 Cherry Street: First Floor - One SGss sample and one CSA sample, paired with two IA samples

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") was collected from an upwind location outside the buildings 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

Page 1 of 1

Building Name/Address: Twilight 2516 Cherry

Date: 2/26/2018

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Mach Enviro Dry Plus 2	1 gal	Kitchen	N	N
Mach Washmate NP 2	1 gal	Kitchen	N	N
Super J	1 gal	Kitchen	N	N
Liquid Plumber	3-1 gal	Kitchen	N	N
Oven cleaner	16 oz spray	Kitchen	N	N
Pine Kleen	1 gal	Kitchen	N	N
Comet	3 - 28 oz	Kitchen	N	N
dish detergent	1 gal	Kitchen	N	N
Bleach	2 - 1 gal	Kitchen	N	N
Lysol toilet cleaner	2 - 16 oz	Kitchen	N	N
glass + surface cleaner	1 gal	Kitchen	N	N
Floor Cleaner	2 - 0.5 gal	Kitchen	N	N
Special Presoak	3 - 1 gal	Kitchen	N	N
Graffetti Remover	2 - 32 oz	Kitchen	N	N
orange blast	1 - 32 oz	Kitchen	N	N
D-grease	1 gal	Kitchen	N	N
Pet Safe Ice Melt	8 lbs	Kitchen	N	N
Sanitizer	1 gal	Kitchen	N	N
General use Mult. Floor-adhesive	32 oz	Room 11	N	Y
WD40 silicone Lubricant	11 oz	Room 11	N	Y
spray paint	18 cans	Room 11	N	Y
goof off	45 oz	Room 11	N	Y
R Premium Construction Adhesive	10 oz	Room 11	N	Y
Wall base adhesive	11 oz	Room 11	N	Y
wood glue	16 oz	Room 11	N	Y
JB weld	8-10 z	Room 11	N	Y
Amazing Goop	10 z	Room 11	N	Y

Chemical Inventory

Building Name/Address: Farmers Market 2518 Cherry

Date: 2/26/2018

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Clorox Bleach	1 gal	Kitchen	N	N
Dawn Soap	90 oz	Kitchen	N	N
Soft Scrub	11,250z	Kitchen	N	N
No Rinse Floor Cleaner	1gal	Kitchen	N	N
Windex	1 gal	Kitchen	N	N
Soft Soap	8 - 0.5gal	Kitchen	N	N
Red N Tacky Grease	14oz	Kitchen	N	N
Hot Shot Roach Killer	Powder 1lb	Kitchen	N	N
Oven Degr. & Cleaner	32 oz	Kitchen	N	N

Attachment C

Summa Canister Air Sampling Forms

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: Former Cherry Cleaners WAKSRS10C

SAMPLING ADDRESS: 2516/18 Cherry Street

SAMPLING EVENT (circle one): SUMMERTIME (WINTERTIME)

TEMPERATURE (F): 46 BAROMETRIC PRESSURE: 29.74 PRECIPITATION (circle one): (Y) N

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

SAMPLING PERSONNEL ID & AFFILIATION: CSloffer / ELAM

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA1: A022818		2746	1034	INITIAL	2/27	shut-in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	707	-30
					2/28	830	-27
400 mL	TO-14A	(Air)	24 hour		2/28	1227	-13
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1506	-4

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS1: A022818		2141	307	INITIAL	2/27	shut-in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	706	-30
					2/28	830	-28
400 mL	TO-14A	Air	24 hour		2/28	1227	-18
1 L	TO-15	(SGss)	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1507	-11

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA2: A022818		2727	1078	INITIAL	2/27	shut-in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	710	-30
					2/28	822	-26
400 mL	TO-14A	(Air)	24 hour		2/28	1230	-12
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1509	-4

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS2: A022818		223	121	INITIAL	2/27	shut-in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	709	-30
					2/28	832	-27
400 mL	TO-14A	Air	24 hour		2/28	1230	-11
1 L	TO-15	(SGss)	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1511	-2

NOTE:

(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 (Hour 24)
- b. 8-hour TWA: initial, Hour 1, Hour 2, Hour 6, Hour 7 and final (Hour 8)
- c. 200 mL/min: initial and final (5 minutes if 1 L; 30 minutes if 6 L)

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: Former Cherry Cleaners WAKS2510C

SAMPLING ADDRESS: 2516/18 Cherry Street

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: CSlotten / ELAN

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
OA2516; A022818		505	1255	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	712	-30
400 mL	TO-14A	(Air)	24 hour		2/28	833	-26
1 L	TO-15	SGss	(8 hour)		2/28	1233	-12
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1513	-5

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
FA3; A022818		2027	742	INITIAL	2/27	shutin test	-29
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	730	-29
400 mL	TO-14A	(Air)	24 hour		2/28	847	-27
1 L	TO-15	SGss	(8 hour)		2/28	1246	-10
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1530	-2

~~SAMPLE ID~~		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
~~SS3; A022818~~				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)
CSA3; A022818		2759	388	INITIAL	2/27	shutin test	-29
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	729	-29
400 mL	TO-14A	Air	24 hour		2/28	848	-24
1 L	TO-15	(SGss)	(8 hour)		2/28	1246	-12
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1531	-4

NOTE:

(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 (Hour 24)
b. 8-hour TWA: initial, Hour 1, Hour 2, Hour 6, Hour 7 and final (Hour 8)
c. 200 mL/min: initial and final (5 minutes if 1 L; 30 minutes if 6 L)

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: Former Cheery Cleaners WAKS 2510 C

SAMPLING ADDRESS: 2516/18 Cherry Street

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: CSloffer / ELAM

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA4: A022818		854	1073	INITIAL	2/27	shutin test	-27
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/27	739	-27
					2/28	850	-25
400 mL	TO-14A	(Air)	24 hour		2/28	1247	-15
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1542	-2

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
Dup 2518: A022818		2360	280	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	739	-30
					2/28	850	-28
400 mL	TO-14A	(Air)	24 hour		2/28	1247	-15
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1543	-5

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS4: A022818		1596	149	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	734	-30
					2/28	849	-29
400 mL	TO-14A	Air	24 hour		2/28	1248	-15
1 L	TO-15	(SGss)	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1541	-4

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
				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			

NOTE:

(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 (Hour 24)
- b. 8-hour TWA: initial, Hour 1, Hour 2, Hour 6, Hour 7 and final (Hour 8)
- c. 200 mL/min: initial and final (5 minutes if 1 L; 30 minutes if 6 L)

Attachment D

Laboratory Analytical Report

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

March 16, 2018

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

RE: Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Dear Jason Oland:
Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2018. 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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas 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
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
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 NwTPH 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
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

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

SAMPLE SUMMARY

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10422371001	**IA1:A022818**	Air	02/28/18 15:06	03/02/18 10:00
10422371002	**IA1:A022818 Cert#2746**	Air	02/28/18 15:06	03/02/18 10:00
10422371003	**SS1:A022818**	Air	02/28/18 15:07	03/02/18 10:00
10422371004	**SS1:A022818 Cert#2141**	Air	02/28/18 15:07	03/02/18 10:00
10422371005	**IA2:A022818**	Air	02/28/18 15:09	03/02/18 10:00
10422371006	**IA2:A022818 Cert#2727**	Air	02/28/18 15:09	03/02/18 10:00
10422371007	**SS2:A022818**	Air	02/28/18 15:11	03/02/18 10:00
10422371008	**SS2:A022818 Cert#0223**	Air	02/28/18 15:11	03/02/18 10:00
10422371009	**OA2516:A022818**	Air	02/28/18 15:13	03/02/18 10:00
10422371010	**OA2516:A022818 Cert#0505**	Air	02/28/18 15:13	03/02/18 10:00
10422371011	**IA3:A022818**	Air	02/28/18 15:30	03/02/18 10:00
10422371012	**IA3:A022818 Cert#2027**	Air	02/28/18 15:30	03/02/18 10:00
10422371013	**CSA3:A022818**	Air	02/28/18 15:31	03/02/18 10:00
10422371014	**CSA3:A022818 Cert#2759**	Air	02/28/18 15:31	03/02/18 10:00
10422371015	**IA4:A022818**	Air	02/28/18 15:42	03/02/18 10:00
10422371016	**IA4:A022818 Cert#0845**	Air	02/28/18 15:42	03/02/18 10:00
10422371017	**SS4:A022818**	Air	02/28/18 15:41	03/02/18 10:00
10422371018	**SS4:A022818 Cert#1596**	Air	02/28/18 15:41	03/02/18 10:00
10422371019	**Dup2518:A022818**	Air	02/28/18 00:00	03/02/18 10:00
10422371020	**Dup2518:A022818 Cert#2360**	Air	02/28/18 00:00	03/02/18 10:00
10422371021	**Unused Can#2361**	Air	02/28/18 00:00	03/02/18 10:00
10422371022	**Unused Can#2722**	Air	02/28/18 00:00	03/02/18 10:00
10422371023	**Unused Can#0852**	Air	02/28/18 00:00	03/02/18 10:00

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

SAMPLE ANALYTE COUNT

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10422371001	**IA1:A022818**	TO-15	NCK	61	PASI-M
10422371002	**IA1:A022818 Cert#2746**	TO-15	NCK	61	PASI-M
10422371003	**SS1:A022818**	TO-15	NCK	61	PASI-M
10422371004	**SS1:A022818 Cert#2141**	TO-15	NCK	61	PASI-M
10422371005	**IA2:A022818**	TO-15	NCK	61	PASI-M
10422371006	**IA2:A022818 Cert#2727**	TO-15	NCK	61	PASI-M
10422371007	**SS2:A022818**	TO-15	NCK	61	PASI-M
10422371008	**SS2:A022818 Cert#0223**	TO-15	NCK	61	PASI-M
10422371009	**OA2516:A022818**	TO-15	NCK	61	PASI-M
10422371010	**OA2516:A022818 Cert#0505**	TO-15	NCK	61	PASI-M
10422371011	**IA3:A022818**	TO-15	NCK	61	PASI-M
10422371012	**IA3:A022818 Cert#2027**	TO-15	NCK	61	PASI-M
10422371013	**CSA3:A022818**	TO-15	NCK	61	PASI-M
10422371014	**CSA3:A022818 Cert#2759**	TO-15	NCK	61	PASI-M
10422371015	**IA4:A022818**	TO-15	NCK	61	PASI-M
10422371016	**IA4:A022818 Cert#0845**	TO-15	NCK	61	PASI-M
10422371017	**SS4:A022818**	TO-15	NCK	61	PASI-M
10422371018	**SS4:A022818 Cert#1596**	TO-15	NCK	61	PASI-M
10422371019	**Dup2518:A022818**	TO-15	NCK	61	PASI-M
10422371020	**Dup2518:A022818 Cert#2360**	TO-15	NCK	61	PASI-M

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA1:A022818 **Lab ID: 10422371001** Collected: 02/28/18 15:06 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**8.2**	ug/m3	3.7	2.3	1.55		03/13/18 23:18	67-64-1	
Benzene	**1.6**	ug/m3	0.050	0.025	1.55		03/13/18 23:18	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/13/18 23:18	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/16/18 00:37	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/13/18 23:18	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/13/18 23:18	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/16/18 00:37	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/13/18 23:18	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/13/18 23:18	75-15-0	
Carbon tetrachloride	**0.63**	ug/m3	0.099	0.051	1.55		03/16/18 00:37	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/13/18 23:18	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/13/18 23:18	75-00-3	
Chloroform	**0.45**	ug/m3	0.077	0.033	1.55		03/16/18 00:37	67-66-3	
Chloromethane	**0.78**	ug/m3	0.65	0.21	1.55		03/13/18 23:18	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/13/18 23:18	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/13/18 23:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/16/18 00:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/13/18 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/13/18 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/13/18 23:18	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.6	0.64	1.55		03/13/18 23:18	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/16/18 00:37	75-34-3	
1,2-Dichloroethane	**0.089**	ug/m3	0.064	0.047	1.55		03/16/18 00:37	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/16/18 00:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/16/18 00:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/16/18 00:37	156-60-5	
1,2-Dichloropropane	**0.12**	ug/m3	0.073	0.019	1.55		03/16/18 00:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/16/18 00:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/16/18 00:37	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/13/18 23:18	76-14-2	
Ethanol	**661**	ug/m3	1.5	0.72	1.55		03/13/18 23:18	64-17-5	E
Ethyl acetate	**15.0**	ug/m3	1.1	0.30	1.55		03/13/18 23:18	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/13/18 23:18	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/13/18 23:18	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/13/18 23:18	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/13/18 23:18	87-68-3	
n-Hexane	**1.5**	ug/m3	1.1	0.52	1.55		03/13/18 23:18	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/13/18 23:18	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/13/18 23:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/13/18 23:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/13/18 23:18	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/13/18 23:18	91-20-3	
2-Propanol	**12.2**	ug/m3	3.9	1.9	1.55		03/13/18 23:18	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/13/18 23:18	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/13/18 23:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/16/18 00:37	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA1:A022818 **Lab ID: 10422371001** Collected: 02/28/18 15:06 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**19.6**	ug/m3	0.11	0.047	1.55		03/13/18 23:18	127-18-4	
Tetrahydrofuran	**1.4**	ug/m3	0.93	0.42	1.55		03/13/18 23:18	109-99-9	
Toluene	**2.4**	ug/m3	1.2	0.25	1.55		03/13/18 23:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/13/18 23:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/16/18 00:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/16/18 00:37	79-00-5	
Trichloroethene	**0.13**	ug/m3	0.085	0.048	1.55		03/16/18 00:37	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/13/18 23:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/13/18 23:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/13/18 23:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/13/18 23:18	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.26	1.55		03/13/18 23:18	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/16/18 00:37	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/13/18 23:18	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/13/18 23:18	95-47-6	

Sample: IA1:A022818 Cert#2746 **Lab ID: 10422371002** Collected: 02/28/18 15:06 Received: 03/02/18 10:00 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	2.4	1.5	1		02/22/18 01:43	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/22/18 01:43	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/22/18 01:43	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/22/18 01:43	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/22/18 01:43	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/22/18 01:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/22/18 01:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/22/18 01:43	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/22/18 01:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/22/18 01:43	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/22/18 01:43	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/22/18 01:43	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/22/18 01:43	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/22/18 01:43	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/22/18 01:43	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/22/18 01:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/22/18 01:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/22/18 01:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/22/18 01:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/22/18 01:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/22/18 01:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/22/18 01:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/22/18 01:43	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA1:A022818 Cert#2746 **Lab ID: 10422371002** Collected: 02/28/18 15:06 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/22/18 01:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/22/18 01:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/22/18 01:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/22/18 01:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/22/18 01:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/22/18 01:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/22/18 01:43	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/22/18 01:43	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/22/18 01:43	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/22/18 01:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/22/18 01:43	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/22/18 01:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/22/18 01:43	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/22/18 01:43	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/22/18 01:43	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/22/18 01:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/22/18 01:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/22/18 01:43	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/22/18 01:43	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/22/18 01:43	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/22/18 01:43	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/22/18 01:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/22/18 01:43	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/22/18 01:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/22/18 01:43	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/22/18 01:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/22/18 01:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/22/18 01:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/22/18 01:43	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/22/18 01:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/22/18 01:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/22/18 01:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/22/18 01:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/22/18 01:43	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/22/18 01:43	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/22/18 01:43	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/22/18 01:43	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/22/18 01:43	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS1:A022818 **Lab ID: 10422371003** Collected: 02/28/18 15:07 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**22.1**	ug/m3	5.1	3.2	2.12		03/14/18 03:20	67-64-1	
Benzene	**1.0**	ug/m3	0.069	0.034	2.12		03/14/18 03:20	71-43-2	
Benzyl chloride	ND	ug/m3	2.2	0.50	2.12		03/14/18 03:20	100-44-7	
Bromodichloromethane	ND	ug/m3	0.14	0.060	2.12		03/14/18 03:20	75-27-4	
Bromoform	ND	ug/m3	4.5	1.5	2.12		03/14/18 03:20	75-25-2	SS
Bromomethane	ND	ug/m3	1.7	0.44	2.12		03/14/18 03:20	74-83-9	
1,3-Butadiene	ND	ug/m3	0.048	0.046	2.12		03/14/18 03:20	106-99-0	
2-Butanone (MEK)	ND	ug/m3	6.4	0.43	2.12		03/14/18 03:20	78-93-3	
Carbon disulfide	ND	ug/m3	1.3	0.38	2.12		03/14/18 03:20	75-15-0	
Carbon tetrachloride	**0.99**	ug/m3	0.14	0.070	2.12		03/14/18 03:20	56-23-5	SS
Chlorobenzene	ND	ug/m3	2.0	0.38	2.12		03/14/18 03:20	108-90-7	
Chloroethane	ND	ug/m3	1.1	0.43	2.12		03/14/18 03:20	75-00-3	
Chloroform	**5.1**	ug/m3	0.11	0.045	2.12		03/14/18 03:20	67-66-3	
Chloromethane	ND	ug/m3	0.89	0.28	2.12		03/14/18 03:20	74-87-3	
Cyclohexane	**1.8**	ug/m3	1.5	0.48	2.12		03/14/18 03:20	110-82-7	
Dibromochloromethane	ND	ug/m3	3.7	0.064	2.12		03/14/18 03:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.17	0.080	2.12		03/14/18 03:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.6	0.69	2.12		03/14/18 03:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.6	0.99	2.12		03/14/18 03:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.6	0.46	2.12		03/14/18 03:20	106-46-7	
Dichlorodifluoromethane	**4.3**	ug/m3	2.1	0.88	2.12		03/14/18 03:20	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.087	0.032	2.12		03/14/18 03:20	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.087	0.064	2.12		03/14/18 03:20	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.085	0.043	2.12		03/14/18 03:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.085	0.030	2.12		03/14/18 03:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.085	0.045	2.12		03/14/18 03:20	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.10	0.026	2.12		03/14/18 03:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.098	0.057	2.12		03/14/18 03:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.098	0.060	2.12		03/14/18 03:20	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	3.0	0.94	2.12		03/14/18 03:20	76-14-2	
Ethanol	**67.9**	ug/m3	2.0	0.99	2.12		03/14/18 03:20	64-17-5	
Ethyl acetate	**2.5**	ug/m3	1.6	0.42	2.12		03/14/18 03:20	141-78-6	
Ethylbenzene	ND	ug/m3	1.9	0.36	2.12		03/14/18 03:20	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.1	0.45	2.12		03/14/18 03:20	622-96-8	
n-Heptane	**3.7**	ug/m3	1.8	0.45	2.12		03/14/18 03:20	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.6	1.8	2.12		03/14/18 03:20	87-68-3	
n-Hexane	**2.4**	ug/m3	1.5	0.71	2.12		03/14/18 03:20	110-54-3	
2-Hexanone	ND	ug/m3	8.8	1.3	2.12		03/14/18 03:20	591-78-6	
Methylene Chloride	ND	ug/m3	7.5	3.2	2.12		03/14/18 03:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.8	0.75	2.12		03/14/18 03:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	7.8	1.4	2.12		03/14/18 03:20	1634-04-4	
Naphthalene	ND	ug/m3	5.6	1.3	2.12		03/14/18 03:20	91-20-3	
2-Propanol	**5.6**	ug/m3	5.3	2.6	2.12		03/14/18 03:20	67-63-0	
Propylene	**2.2**	ug/m3	0.74	0.33	2.12		03/14/18 03:20	115-07-1	
Styrene	ND	ug/m3	1.8	0.35	2.12		03/14/18 03:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.15	0.082	2.12		03/14/18 03:20	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS1:A022818 **Lab ID: 10422371003** Collected: 02/28/18 15:07 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**8550**	ug/m3	4.4	1.9	63.6		03/14/18 13:38	127-18-4	
Tetrahydrofuran	**9.1**	ug/m3	1.3	0.58	2.12		03/14/18 03:20	109-99-9	
Toluene	**6.1**	ug/m3	1.6	0.34	2.12		03/14/18 03:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	8.0	2.0	2.12		03/14/18 03:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.12	0.053	2.12		03/14/18 03:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.12	0.057	2.12		03/14/18 03:20	79-00-5	
Trichloroethene	**9.5**	ug/m3	0.12	0.065	2.12		03/14/18 03:20	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.4	0.89	2.12		03/14/18 03:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.3	0.78	2.12		03/14/18 03:20	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.1	0.36	2.12		03/14/18 03:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.1	0.87	2.12		03/14/18 03:20	108-67-8	
Vinyl acetate	ND	ug/m3	1.5	0.35	2.12		03/14/18 03:20	108-05-4	
Vinyl chloride	ND	ug/m3	0.055	0.054	2.12		03/14/18 03:20	75-01-4	
m&p-Xylene	ND	ug/m3	3.8	0.74	2.12		03/14/18 03:20	179601-23-1	
o-Xylene	ND	ug/m3	1.9	0.79	2.12		03/14/18 03:20	95-47-6	

Sample: SS1:A022818 Cert#2141 **Lab ID: 10422371004** Collected: 02/28/18 15:07 Received: 03/02/18 10:00 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	2.4	1.5	1		02/21/18 22:53	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 22:53	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 22:53	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 22:53	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 22:53	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 22:53	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 22:53	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 22:53	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 22:53	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 22:53	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 22:53	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 22:53	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 22:53	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 22:53	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 22:53	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 22:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 22:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 22:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 22:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 22:53	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 22:53	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 22:53	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 22:53	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS1:A022818 Cert#2141 **Lab ID: 10422371004** Collected: 02/28/18 15:07 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/21/18 22:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 22:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 22:53	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 22:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 22:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 22:53	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 22:53	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 22:53	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 22:53	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 22:53	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 22:53	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 22:53	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 22:53	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 22:53	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 22:53	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 22:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 22:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 22:53	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 22:53	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 22:53	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 22:53	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 22:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 22:53	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 22:53	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 22:53	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 22:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 22:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 22:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 22:53	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 22:53	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 22:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 22:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 22:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 22:53	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 22:53	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 22:53	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 22:53	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 22:53	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA2:A022818 **Lab ID: 10422371005** Collected: 02/28/18 15:09 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**13.9**	ug/m3	3.7	2.3	1.55		03/14/18 00:27	67-64-1	
Benzene	**1.9**	ug/m3	0.050	0.025	1.55		03/14/18 00:27	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/14/18 00:27	100-44-7	
Bromodichloromethane	ND	ug/m3	0.14	0.058	2.08		03/16/18 01:12	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/14/18 00:27	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/14/18 00:27	74-83-9	
1,3-Butadiene	ND	ug/m3	0.047	0.045	2.08		03/16/18 01:12	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/14/18 00:27	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/14/18 00:27	75-15-0	
Carbon tetrachloride	**0.75**	ug/m3	0.13	0.068	2.08		03/16/18 01:12	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/14/18 00:27	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/14/18 00:27	75-00-3	
Chloroform	**0.54**	ug/m3	0.10	0.044	2.08		03/16/18 01:12	67-66-3	
Chloromethane	ND	ug/m3	0.65	0.21	1.55		03/14/18 00:27	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/14/18 00:27	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/14/18 00:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.16	0.078	2.08		03/16/18 01:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/14/18 00:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/14/18 00:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/14/18 00:27	106-46-7	
Dichlorodifluoromethane	**2.5**	ug/m3	1.6	0.64	1.55		03/14/18 00:27	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.085	0.031	2.08		03/16/18 01:12	75-34-3	
1,2-Dichloroethane	**0.12**	ug/m3	0.085	0.063	2.08		03/16/18 01:12	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.084	0.042	2.08		03/16/18 01:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.084	0.029	2.08		03/16/18 01:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.084	0.044	2.08		03/16/18 01:12	156-60-5	
1,2-Dichloropropane	**0.13**	ug/m3	0.098	0.026	2.08		03/16/18 01:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.096	0.056	2.08		03/16/18 01:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.096	0.058	2.08		03/16/18 01:12	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/14/18 00:27	76-14-2	
Ethanol	**788**	ug/m3	1.5	0.72	1.55		03/14/18 00:27	64-17-5	E
Ethyl acetate	**20.3**	ug/m3	1.1	0.30	1.55		03/14/18 00:27	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/14/18 00:27	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/14/18 00:27	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/14/18 00:27	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/14/18 00:27	87-68-3	
n-Hexane	**6.0**	ug/m3	1.1	0.52	1.55		03/14/18 00:27	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/14/18 00:27	591-78-6	
Methylene Chloride	**48.9**	ug/m3	5.5	2.4	1.55		03/14/18 00:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/14/18 00:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/14/18 00:27	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/14/18 00:27	91-20-3	
2-Propanol	**14.6**	ug/m3	3.9	1.9	1.55		03/14/18 00:27	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/14/18 00:27	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/14/18 00:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.15	0.080	2.08		03/16/18 01:12	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA2:A022818 **Lab ID: 10422371005** Collected: 02/28/18 15:09 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**16.9**	ug/m3	0.11	0.047	1.55		03/14/18 00:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/14/18 00:27	109-99-9	
Toluene	**3.2**	ug/m3	1.2	0.25	1.55		03/14/18 00:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/14/18 00:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.12	0.052	2.08		03/16/18 01:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.12	0.056	2.08		03/16/18 01:12	79-00-5	
Trichloroethene	**1.2**	ug/m3	0.11	0.064	2.08		03/16/18 01:12	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/14/18 00:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/14/18 00:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/14/18 00:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/14/18 00:27	108-67-8	
Vinyl acetate	**1.8**	ug/m3	1.1	0.26	1.55		03/14/18 00:27	108-05-4	
Vinyl chloride	ND	ug/m3	0.054	0.053	2.08		03/16/18 01:12	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/14/18 00:27	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/14/18 00:27	95-47-6	

Sample: IA2:A022818 Cert#2727 **Lab ID: 10422371006** Collected: 02/28/18 15:09 Received: 03/02/18 10:00 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	2.4	1.5	1		02/22/18 11:18	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/22/18 11:18	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/22/18 11:18	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/22/18 11:18	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/22/18 11:18	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/22/18 11:18	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/22/18 11:18	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/22/18 11:18	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/22/18 11:18	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/22/18 11:18	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/22/18 11:18	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/22/18 11:18	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/22/18 11:18	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/22/18 11:18	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/22/18 11:18	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/22/18 11:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/22/18 11:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/22/18 11:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/22/18 11:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/22/18 11:18	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/22/18 11:18	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/22/18 11:18	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/22/18 11:18	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA2:A022818 Cert#2727 **Lab ID: 10422371006** Collected: 02/28/18 15:09 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/22/18 11:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/22/18 11:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/22/18 11:18	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/22/18 11:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/22/18 11:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/22/18 11:18	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/22/18 11:18	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/22/18 11:18	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/22/18 11:18	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/22/18 11:18	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/22/18 11:18	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/22/18 11:18	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/22/18 11:18	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/22/18 11:18	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/22/18 11:18	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/22/18 11:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/22/18 11:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/22/18 11:18	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/22/18 11:18	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/22/18 11:18	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/22/18 11:18	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/22/18 11:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/22/18 11:18	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/22/18 11:18	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/22/18 11:18	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/22/18 11:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/22/18 11:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/22/18 11:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/22/18 11:18	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/22/18 11:18	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/22/18 11:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/22/18 11:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/22/18 11:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/22/18 11:18	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/22/18 11:18	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/22/18 11:18	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/22/18 11:18	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/22/18 11:18	95-47-6	

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS2:A022818 **Lab ID: 10422371007** Collected: 02/28/18 15:11 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**216**	ug/m3	3.5	2.2	1.44		03/14/18 04:30	67-64-1	
Benzene	**0.79**	ug/m3	0.047	0.023	1.44		03/14/18 04:30	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/14/18 04:30	100-44-7	
Bromodichloromethane	**0.75**	ug/m3	0.098	0.040	1.44		03/14/18 04:30	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/14/18 04:30	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/14/18 04:30	74-83-9	
1,3-Butadiene	ND	ug/m3	0.032	0.031	1.44		03/14/18 04:30	106-99-0	
2-Butanone (MEK)	**5.3**	ug/m3	4.3	0.29	1.44		03/14/18 04:30	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/14/18 04:30	75-15-0	
Carbon tetrachloride	**4.5**	ug/m3	0.092	0.047	1.44		03/14/18 04:30	56-23-5	SS
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/14/18 04:30	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/14/18 04:30	75-00-3	
Chloroform	**143**	ug/m3	0.071	0.030	1.44		03/14/18 04:30	67-66-3	
Chloromethane	ND	ug/m3	0.60	0.19	1.44		03/14/18 04:30	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.33	1.44		03/14/18 04:30	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/14/18 04:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.054	1.44		03/14/18 04:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/14/18 04:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/14/18 04:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/14/18 04:30	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.5	0.60	1.44		03/14/18 04:30	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.059	0.021	1.44		03/14/18 04:30	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.059	0.043	1.44		03/14/18 04:30	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.058	0.029	1.44		03/14/18 04:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.058	0.020	1.44		03/14/18 04:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.058	0.030	1.44		03/14/18 04:30	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.068	0.018	1.44		03/14/18 04:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.066	0.039	1.44		03/14/18 04:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.066	0.040	1.44		03/14/18 04:30	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/14/18 04:30	76-14-2	
Ethanol	**67.2**	ug/m3	1.4	0.67	1.44		03/14/18 04:30	64-17-5	
Ethyl acetate	**3.3**	ug/m3	1.1	0.28	1.44		03/14/18 04:30	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/14/18 04:30	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/14/18 04:30	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.30	1.44		03/14/18 04:30	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/14/18 04:30	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.48	1.44		03/14/18 04:30	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/14/18 04:30	591-78-6	
Methylene Chloride	ND	ug/m3	5.1	2.2	1.44		03/14/18 04:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/14/18 04:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/14/18 04:30	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/14/18 04:30	91-20-3	
2-Propanol	**17.1**	ug/m3	3.6	1.8	1.44		03/14/18 04:30	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/14/18 04:30	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/14/18 04:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.055	1.44		03/14/18 04:30	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS2:A022818 **Lab ID: 10422371007** Collected: 02/28/18 15:11 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**544**	ug/m3	2.0	0.87	28.8		03/14/18 13:05	127-18-4	
Tetrahydrofuran	**8.1**	ug/m3	0.86	0.39	1.44		03/14/18 04:30	109-99-9	
Toluene	**2.6**	ug/m3	1.1	0.23	1.44		03/14/18 04:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/14/18 04:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.080	0.036	1.44		03/14/18 04:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.080	0.038	1.44		03/14/18 04:30	79-00-5	
Trichloroethene	**3.3**	ug/m3	0.079	0.044	1.44		03/14/18 04:30	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.60	1.44		03/14/18 04:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/14/18 04:30	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/14/18 04:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/14/18 04:30	108-67-8	
Vinyl acetate	**3.0**	ug/m3	1.0	0.24	1.44		03/14/18 04:30	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/14/18 04:30	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/14/18 04:30	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/14/18 04:30	95-47-6	

Sample: SS2:A022818 Cert#0223 **Lab ID: 10422371008** Collected: 02/28/18 15:11 Received: 03/02/18 10:00 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	2.4	1.5	1		02/21/18 20:02	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 20:02	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 20:02	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 20:02	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 20:02	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 20:02	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 20:02	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 20:02	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 20:02	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 20:02	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 20:02	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 20:02	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 20:02	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 20:02	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 20:02	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 20:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 20:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 20:02	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 20:02	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 20:02	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 20:02	107-06-2	

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS2:A022818 Cert#0223 **Lab ID: 10422371008** Collected: 02/28/18 15:11 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/21/18 20:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 20:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 20:02	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 20:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 20:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 20:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 20:02	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 20:02	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 20:02	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 20:02	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 20:02	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 20:02	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 20:02	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 20:02	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 20:02	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 20:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 20:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 20:02	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 20:02	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 20:02	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 20:02	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 20:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 20:02	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 20:02	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 20:02	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 20:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 20:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 20:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 20:02	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 20:02	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 20:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 20:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 20:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 20:02	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 20:02	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 20:02	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 20:02	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 20:02	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: OA2516:A022818 **Lab ID: 10422371009** Collected: 02/28/18 15:13 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**5.2**	ug/m3	3.3	2.1	1.39		03/14/18 01:01	67-64-1	
Benzene	**0.87**	ug/m3	0.045	0.022	1.39		03/16/18 01:47	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.33	1.39		03/14/18 01:01	100-44-7	
Bromodichloromethane	ND	ug/m3	0.095	0.039	1.39		03/16/18 01:47	75-27-4	
Bromoform	ND	ug/m3	2.9	0.96	1.39		03/14/18 01:01	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.29	1.39		03/14/18 01:01	74-83-9	
1,3-Butadiene	**0.20**	ug/m3	0.031	0.030	1.39		03/16/18 01:47	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.2	0.28	1.39		03/14/18 01:01	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	0.25	1.39		03/14/18 01:01	75-15-0	
Carbon tetrachloride	**0.53**	ug/m3	0.089	0.046	1.39		03/16/18 01:47	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.25	1.39		03/14/18 01:01	108-90-7	
Chloroethane	ND	ug/m3	0.75	0.28	1.39		03/14/18 01:01	75-00-3	
Chloroform	**0.14**	ug/m3	0.069	0.029	1.39		03/16/18 01:47	67-66-3	
Chloromethane	**0.92**	ug/m3	0.58	0.19	1.39		03/14/18 01:01	74-87-3	
Cyclohexane	ND	ug/m3	0.97	0.32	1.39		03/14/18 01:01	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	0.042	1.39		03/14/18 01:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.052	1.39		03/16/18 01:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	0.45	1.39		03/14/18 01:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	0.65	1.39		03/14/18 01:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	0.30	1.39		03/14/18 01:01	106-46-7	
Dichlorodifluoromethane	**2.6**	ug/m3	1.4	0.58	1.39		03/14/18 01:01	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.057	0.021	1.39		03/16/18 01:47	75-34-3	
1,2-Dichloroethane	**0.083**	ug/m3	0.057	0.042	1.39		03/16/18 01:47	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.056	0.028	1.39		03/16/18 01:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.056	0.019	1.39		03/16/18 01:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.056	0.029	1.39		03/16/18 01:47	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.065	0.017	1.39		03/16/18 01:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.064	0.038	1.39		03/16/18 01:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.064	0.039	1.39		03/16/18 01:47	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.61	1.39		03/14/18 01:01	76-14-2	
Ethanol	**307**	ug/m3	1.3	0.65	1.39		03/14/18 01:01	64-17-5	
Ethyl acetate	**1.1**	ug/m3	1.0	0.27	1.39		03/14/18 01:01	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	0.24	1.39		03/14/18 01:01	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.30	1.39		03/14/18 01:01	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.29	1.39		03/14/18 01:01	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.2	1.39		03/14/18 01:01	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.46	1.39		03/14/18 01:01	110-54-3	
2-Hexanone	ND	ug/m3	5.8	0.85	1.39		03/14/18 01:01	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	2.1	1.39		03/14/18 01:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.8	0.49	1.39		03/14/18 01:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.1	0.93	1.39		03/14/18 01:01	1634-04-4	
Naphthalene	ND	ug/m3	3.7	0.83	1.39		03/14/18 01:01	91-20-3	
2-Propanol	ND	ug/m3	3.5	1.7	1.39		03/14/18 01:01	67-63-0	
Propylene	ND	ug/m3	0.49	0.22	1.39		03/14/18 01:01	115-07-1	
Styrene	ND	ug/m3	1.2	0.23	1.39		03/14/18 01:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.097	0.054	1.39		03/16/18 01:47	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: OA2516:A022818 **Lab ID: 10422371009** Collected: 02/28/18 15:13 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**0.42**	ug/m3	0.096	0.042	1.39		03/16/18 01:47	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	0.38	1.39		03/14/18 01:01	109-99-9	
Toluene	**1.6**	ug/m3	1.1	0.22	1.39		03/14/18 01:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.2	1.3	1.39		03/14/18 01:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.077	0.034	1.39		03/16/18 01:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.077	0.037	1.39		03/16/18 01:47	79-00-5	
Trichloroethene	ND	ug/m3	0.076	0.043	1.39		03/16/18 01:47	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.58	1.39		03/14/18 01:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.51	1.39		03/14/18 01:01	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.24	1.39		03/14/18 01:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.57	1.39		03/14/18 01:01	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	0.23	1.39		03/14/18 01:01	108-05-4	
Vinyl chloride	ND	ug/m3	0.036	0.036	1.39		03/16/18 01:47	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.49	1.39		03/14/18 01:01	179601-23-1	
o-Xylene	ND	ug/m3	1.2	0.52	1.39		03/14/18 01:01	95-47-6	

Sample: OA2516:A022818 Cert#0505 **Lab ID: 10422371010** Collected: 02/28/18 15:13 Received: 03/02/18 10:00 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	2.4	1.5	1		02/21/18 22:19	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 22:19	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 22:19	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 22:19	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 22:19	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 22:19	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 22:19	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 22:19	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 22:19	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 22:19	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 22:19	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 22:19	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 22:19	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 22:19	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 22:19	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 22:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 22:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 22:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 22:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 22:19	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 22:19	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 22:19	75-34-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: OA2516:A022818 Cert#0505 **Lab ID: 10422371010** Collected: 02/28/18 15:13 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 22:19	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/21/18 22:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 22:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 22:19	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 22:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 22:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 22:19	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 22:19	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 22:19	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 22:19	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 22:19	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 22:19	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 22:19	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 22:19	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 22:19	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 22:19	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 22:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 22:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 22:19	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 22:19	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 22:19	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 22:19	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 22:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 22:19	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 22:19	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 22:19	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 22:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 22:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 22:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 22:19	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 22:19	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 22:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 22:19	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 22:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 22:19	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 22:19	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 22:19	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 22:19	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 22:19	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA3:A022818 **Lab ID: 10422371011** Collected: 02/28/18 15:30 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**12.2**	ug/m3	3.7	2.3	1.55		03/14/18 01:36	67-64-1	
Benzene	**1.2**	ug/m3	0.050	0.025	1.55		03/14/18 01:36	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/14/18 01:36	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/16/18 02:21	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/14/18 01:36	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/14/18 01:36	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/16/18 02:21	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/14/18 01:36	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/14/18 01:36	75-15-0	
Carbon tetrachloride	**0.62**	ug/m3	0.099	0.051	1.55		03/16/18 02:21	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/14/18 01:36	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/14/18 01:36	75-00-3	
Chloroform	**1.6**	ug/m3	0.077	0.033	1.55		03/14/18 01:36	67-66-3	
Chloromethane	**1.6**	ug/m3	0.65	0.21	1.55		03/14/18 01:36	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/14/18 01:36	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/14/18 01:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/16/18 02:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/14/18 01:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/14/18 01:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/14/18 01:36	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.6	0.64	1.55		03/14/18 01:36	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/16/18 02:21	75-34-3	
1,2-Dichloroethane	**0.091**	ug/m3	0.064	0.047	1.55		03/16/18 02:21	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/16/18 02:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/16/18 02:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/16/18 02:21	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.019	1.55		03/16/18 02:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/16/18 02:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/16/18 02:21	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/14/18 01:36	76-14-2	
Ethanol	**821**	ug/m3	1.5	0.72	1.55		03/14/18 01:36	64-17-5	E
Ethyl acetate	**10.2**	ug/m3	1.1	0.30	1.55		03/14/18 01:36	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/14/18 01:36	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/14/18 01:36	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/14/18 01:36	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/14/18 01:36	87-68-3	
n-Hexane	**1.1**	ug/m3	1.1	0.52	1.55		03/14/18 01:36	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/14/18 01:36	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/14/18 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/14/18 01:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/14/18 01:36	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/14/18 01:36	91-20-3	
2-Propanol	**12.3**	ug/m3	3.9	1.9	1.55		03/14/18 01:36	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/14/18 01:36	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/14/18 01:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/16/18 02:21	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA3:A022818 **Lab ID: 10422371011** Collected: 02/28/18 15:30 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**2.2**	ug/m3	0.11	0.047	1.55		03/14/18 01:36	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/14/18 01:36	109-99-9	
Toluene	**2.0**	ug/m3	1.2	0.25	1.55		03/14/18 01:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/14/18 01:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/16/18 02:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/16/18 02:21	79-00-5	
Trichloroethene	**0.11**	ug/m3	0.085	0.048	1.55		03/16/18 02:21	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/14/18 01:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/14/18 01:36	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/14/18 01:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/14/18 01:36	108-67-8	
Vinyl acetate	**2.3**	ug/m3	1.1	0.26	1.55		03/14/18 01:36	108-05-4	
Vinyl chloride	**0.047**	ug/m3	0.040	0.040	1.55		03/16/18 02:21	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/14/18 01:36	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/14/18 01:36	95-47-6	

Sample: IA3:A022818 Cert#2027 **Lab ID: 10422371012** Collected: 02/28/18 15:30 Received: 03/02/18 10:00 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	2.4	1.5	1		02/20/18 17:52	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 17:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 17:52	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 17:52	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 17:52	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 17:52	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 17:52	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 17:52	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 17:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 17:52	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 17:52	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 17:52	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 17:52	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 17:52	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 17:52	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 17:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 17:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 17:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 17:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 17:52	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 17:52	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 17:52	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 17:52	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA3:A022818 Cert#2027 **Lab ID: 10422371012** Collected: 02/28/18 15:30 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/20/18 17:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 17:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 17:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 17:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 17:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 17:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 17:52	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 17:52	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 17:52	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 17:52	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 17:52	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 17:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 17:52	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 17:52	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 17:52	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 17:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 17:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 17:52	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 17:52	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 17:52	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 17:52	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 17:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 17:52	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 17:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 17:52	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 17:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 17:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 17:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 17:52	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 17:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 17:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 17:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 17:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 17:52	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 17:52	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 17:52	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 17:52	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 17:52	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: CSA3:A022818 **Lab ID: 10422371013** Collected: 02/28/18 15:31 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**6.3**	ug/m3	3.7	2.3	1.55		03/14/18 02:45	67-64-1	
Benzene	**0.97**	ug/m3	0.050	0.025	1.55		03/16/18 02:56	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/14/18 02:45	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/16/18 02:56	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/14/18 02:45	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/14/18 02:45	74-83-9	
1,3-Butadiene	**0.13**	ug/m3	0.035	0.033	1.55		03/16/18 02:56	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/14/18 02:45	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/14/18 02:45	75-15-0	
Carbon tetrachloride	**0.63**	ug/m3	0.099	0.051	1.55		03/16/18 02:56	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/14/18 02:45	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/14/18 02:45	75-00-3	
Chloroform	**0.60**	ug/m3	0.077	0.033	1.55		03/16/18 02:56	67-66-3	
Chloromethane	ND	ug/m3	0.65	0.21	1.55		03/14/18 02:45	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/14/18 02:45	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/14/18 02:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/16/18 02:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/14/18 02:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/14/18 02:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/14/18 02:45	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.6	0.64	1.55		03/14/18 02:45	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/16/18 02:56	75-34-3	
1,2-Dichloroethane	**0.094**	ug/m3	0.064	0.047	1.55		03/16/18 02:56	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/16/18 02:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/16/18 02:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/16/18 02:56	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.019	1.55		03/16/18 02:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/16/18 02:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/16/18 02:56	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/14/18 02:45	76-14-2	
Ethanol	**137**	ug/m3	1.5	0.72	1.55		03/14/18 02:45	64-17-5	
Ethyl acetate	**1.6**	ug/m3	1.1	0.30	1.55		03/14/18 02:45	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/14/18 02:45	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/14/18 02:45	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/14/18 02:45	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/14/18 02:45	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.52	1.55		03/14/18 02:45	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/14/18 02:45	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/14/18 02:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/14/18 02:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/14/18 02:45	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/14/18 02:45	91-20-3	
2-Propanol	**4.4**	ug/m3	3.9	1.9	1.55		03/14/18 02:45	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/14/18 02:45	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/14/18 02:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/16/18 02:56	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: CSA3:A022818 **Lab ID: 10422371013** Collected: 02/28/18 15:31 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**1.4**	ug/m3	0.11	0.047	1.55		03/16/18 02:56	127-18-4	
Tetrahydrofuran	**6.2**	ug/m3	0.93	0.42	1.55		03/14/18 02:45	109-99-9	
Toluene	**2.7**	ug/m3	1.2	0.25	1.55		03/14/18 02:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/14/18 02:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/16/18 02:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/16/18 02:56	79-00-5	
Trichloroethene	**0.16**	ug/m3	0.085	0.048	1.55		03/16/18 02:56	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/14/18 02:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/14/18 02:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/14/18 02:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/14/18 02:45	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.26	1.55		03/14/18 02:45	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/16/18 02:56	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/14/18 02:45	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/14/18 02:45	95-47-6	

Sample: CSA3:A022818 Cert#2759 **Lab ID: 10422371014** Collected: 02/28/18 15:31 Received: 03/02/18 10:00 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	2.4	1.5	1		02/20/18 19:34	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 19:34	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 19:34	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 19:34	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 19:34	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 19:34	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 19:34	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 19:34	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 19:34	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 19:34	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 19:34	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 19:34	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 19:34	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 19:34	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 19:34	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 19:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 19:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 19:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 19:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 19:34	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 19:34	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 19:34	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: CSA3:A022818 Cert#2759 **Lab ID: 10422371014** Collected: 02/28/18 15:31 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/20/18 19:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 19:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 19:34	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 19:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 19:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 19:34	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 19:34	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 19:34	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 19:34	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 19:34	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 19:34	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 19:34	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 19:34	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 19:34	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 19:34	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 19:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 19:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 19:34	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 19:34	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 19:34	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 19:34	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 19:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 19:34	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 19:34	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 19:34	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 19:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 19:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 19:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 19:34	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 19:34	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 19:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 19:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 19:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 19:34	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 19:34	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 19:34	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 19:34	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 19:34	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA4:A022818 **Lab ID: 10422371015** Collected: 02/28/18 15:42 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**31.8**	ug/m3	3.3	2.1	1.39		03/14/18 02:11	67-64-1	
Benzene	**1.8**	ug/m3	0.045	0.022	1.39		03/14/18 02:11	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.33	1.39		03/14/18 02:11	100-44-7	
Bromodichloromethane	ND	ug/m3	0.095	0.039	1.39		03/16/18 03:31	75-27-4	
Bromoform	ND	ug/m3	2.9	0.96	1.39		03/14/18 02:11	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.29	1.39		03/14/18 02:11	74-83-9	
1,3-Butadiene	ND	ug/m3	0.031	0.030	1.39		03/16/18 03:31	106-99-0	
2-Butanone (MEK)	**6.3**	ug/m3	4.2	0.28	1.39		03/14/18 02:11	78-93-3	
Carbon disulfide	**78.3**	ug/m3	0.88	0.25	1.39		03/14/18 02:11	75-15-0	
Carbon tetrachloride	**0.49**	ug/m3	0.089	0.046	1.39		03/16/18 03:31	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.25	1.39		03/14/18 02:11	108-90-7	
Chloroethane	ND	ug/m3	0.75	0.28	1.39		03/14/18 02:11	75-00-3	
Chloroform	**8.6**	ug/m3	0.069	0.029	1.39		03/14/18 02:11	67-66-3	
Chloromethane	ND	ug/m3	0.58	0.19	1.39		03/14/18 02:11	74-87-3	
Cyclohexane	**1.4**	ug/m3	0.97	0.32	1.39		03/14/18 02:11	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	0.042	1.39		03/14/18 02:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.052	1.39		03/16/18 03:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	0.45	1.39		03/14/18 02:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	0.65	1.39		03/14/18 02:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	0.30	1.39		03/14/18 02:11	106-46-7	
Dichlorodifluoromethane	**2.6**	ug/m3	1.4	0.58	1.39		03/14/18 02:11	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.057	0.021	1.39		03/16/18 03:31	75-34-3	
1,2-Dichloroethane	**0.12**	ug/m3	0.057	0.042	1.39		03/16/18 03:31	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.056	0.028	1.39		03/16/18 03:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.056	0.019	1.39		03/16/18 03:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.056	0.029	1.39		03/16/18 03:31	156-60-5	
1,2-Dichloropropane	**0.10**	ug/m3	0.065	0.017	1.39		03/16/18 03:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.064	0.038	1.39		03/16/18 03:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.064	0.039	1.39		03/16/18 03:31	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.61	1.39		03/14/18 02:11	76-14-2	
Ethanol	**636**	ug/m3	1.3	0.65	1.39		03/14/18 02:11	64-17-5	E
Ethyl acetate	**9.1**	ug/m3	1.0	0.27	1.39		03/14/18 02:11	141-78-6	
Ethylbenzene	**11.6**	ug/m3	1.2	0.24	1.39		03/14/18 02:11	100-41-4	
4-Ethyltoluene	**2.2**	ug/m3	1.4	0.30	1.39		03/14/18 02:11	622-96-8	
n-Heptane	**7.2**	ug/m3	1.2	0.29	1.39		03/14/18 02:11	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.2	1.39		03/14/18 02:11	87-68-3	
n-Hexane	**12.5**	ug/m3	1.0	0.46	1.39		03/14/18 02:11	110-54-3	
2-Hexanone	ND	ug/m3	5.8	0.85	1.39		03/14/18 02:11	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	2.1	1.39		03/14/18 02:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.8	0.49	1.39		03/14/18 02:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.1	0.93	1.39		03/14/18 02:11	1634-04-4	
Naphthalene	ND	ug/m3	3.7	0.83	1.39		03/14/18 02:11	91-20-3	
2-Propanol	**33.4**	ug/m3	3.5	1.7	1.39		03/14/18 02:11	67-63-0	
Propylene	ND	ug/m3	0.49	0.22	1.39		03/14/18 02:11	115-07-1	
Styrene	**43.1**	ug/m3	1.2	0.23	1.39		03/14/18 02:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.097	0.054	1.39		03/16/18 03:31	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA4:A022818 **Lab ID: 10422371015** Collected: 02/28/18 15:42 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**3.4**	ug/m3	0.096	0.042	1.39		03/14/18 02:11	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	0.38	1.39		03/14/18 02:11	109-99-9	
Toluene	**97.0**	ug/m3	1.1	0.22	1.39		03/14/18 02:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.2	1.3	1.39		03/14/18 02:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.077	0.034	1.39		03/16/18 03:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.077	0.037	1.39		03/16/18 03:31	79-00-5	
Trichloroethene	**0.86**	ug/m3	0.076	0.043	1.39		03/16/18 03:31	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.58	1.39		03/14/18 02:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.51	1.39		03/14/18 02:11	76-13-1	
1,2,4-Trimethylbenzene	**4.9**	ug/m3	1.4	0.24	1.39		03/14/18 02:11	95-63-6	
1,3,5-Trimethylbenzene	**2.0**	ug/m3	1.4	0.57	1.39		03/14/18 02:11	108-67-8	
Vinyl acetate	**2.9**	ug/m3	1.0	0.23	1.39		03/14/18 02:11	108-05-4	
Vinyl chloride	ND	ug/m3	0.036	0.036	1.39		03/16/18 03:31	75-01-4	
m&p-Xylene	**49.9**	ug/m3	2.5	0.49	1.39		03/14/18 02:11	179601-23-1	
o-Xylene	**13.6**	ug/m3	1.2	0.52	1.39		03/14/18 02:11	95-47-6	

Sample: IA4:A022818 Cert#0845 **Lab ID: 10422371016** Collected: 02/28/18 15:42 Received: 03/02/18 10:00 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	2.4	1.5	1		02/20/18 16:43	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 16:43	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 16:43	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 16:43	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 16:43	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 16:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 16:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 16:43	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 16:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 16:43	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 16:43	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 16:43	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 16:43	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 16:43	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 16:43	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 16:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 16:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 16:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 16:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 16:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 16:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 16:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 16:43	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: IA4:A022818 Cert#0845 **Lab ID: 10422371016** Collected: 02/28/18 15:42 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/20/18 16:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 16:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 16:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 16:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 16:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 16:43	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 16:43	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 16:43	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 16:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 16:43	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 16:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 16:43	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 16:43	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 16:43	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 16:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 16:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 16:43	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 16:43	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 16:43	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 16:43	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 16:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 16:43	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 16:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 16:43	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 16:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 16:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 16:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 16:43	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 16:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 16:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 16:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 16:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 16:43	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 16:43	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 16:43	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 16:43	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 16:43	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS4:A022818 **Lab ID: 10422371017** Collected: 02/28/18 15:41 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**22.0**	ug/m3	3.7	2.3	1.55		03/14/18 03:55	67-64-1	
Benzene	**3.6**	ug/m3	0.050	0.025	1.55		03/14/18 03:55	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/14/18 03:55	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/14/18 03:55	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/14/18 03:55	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/14/18 03:55	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/14/18 03:55	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/14/18 03:55	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/14/18 03:55	75-15-0	
Carbon tetrachloride	**0.69**	ug/m3	0.099	0.051	1.55		03/14/18 03:55	56-23-5	SS
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/14/18 03:55	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/14/18 03:55	75-00-3	
Chloroform	**4.3**	ug/m3	0.077	0.033	1.55		03/14/18 03:55	67-66-3	
Chloromethane	**1.1**	ug/m3	0.65	0.21	1.55		03/14/18 03:55	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/14/18 03:55	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/14/18 03:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/14/18 03:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/14/18 03:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/14/18 03:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/14/18 03:55	106-46-7	
Dichlorodifluoromethane	**3.4**	ug/m3	1.6	0.64	1.55		03/14/18 03:55	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/14/18 03:55	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.064	0.047	1.55		03/14/18 03:55	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/14/18 03:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/14/18 03:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/14/18 03:55	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.019	1.55		03/14/18 03:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/14/18 03:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/14/18 03:55	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/14/18 03:55	76-14-2	
Ethanol	**31.4**	ug/m3	1.5	0.72	1.55		03/14/18 03:55	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.30	1.55		03/14/18 03:55	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/14/18 03:55	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/14/18 03:55	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/14/18 03:55	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/14/18 03:55	87-68-3	
n-Hexane	**32.0**	ug/m3	1.1	0.52	1.55		03/14/18 03:55	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/14/18 03:55	591-78-6	
Methylene Chloride	ND	ug/m3	73.3	31.6	20.77		03/14/18 12:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/14/18 03:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/14/18 03:55	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/14/18 03:55	91-20-3	
2-Propanol	ND	ug/m3	3.9	1.9	1.55		03/14/18 03:55	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/14/18 03:55	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/14/18 03:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/14/18 03:55	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS4:A022818 **Lab ID: 10422371017** Collected: 02/28/18 15:41 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**1610**	ug/m3	1.4	0.63	20.77		03/14/18 12:32	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/14/18 03:55	109-99-9	
Toluene	**6.6**	ug/m3	1.2	0.25	1.55		03/14/18 03:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/14/18 03:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/14/18 03:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/14/18 03:55	79-00-5	
Trichloroethene	**0.34**	ug/m3	0.085	0.048	1.55		03/14/18 03:55	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/14/18 03:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/14/18 03:55	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/14/18 03:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/14/18 03:55	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.26	1.55		03/14/18 03:55	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/14/18 03:55	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/14/18 03:55	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/14/18 03:55	95-47-6	

Sample: SS4:A022818 Cert#1596 **Lab ID: 10422371018** Collected: 02/28/18 15:41 Received: 03/02/18 10:00 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	2.4	1.5	1		02/21/18 19:28	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 19:28	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 19:28	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 19:28	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 19:28	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 19:28	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 19:28	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 19:28	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 19:28	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 19:28	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 19:28	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 19:28	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 19:28	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 19:28	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 19:28	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 19:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 19:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 19:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 19:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 19:28	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 19:28	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 19:28	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 19:28	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: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: SS4:A022818 Cert#1596 **Lab ID: 10422371018** Collected: 02/28/18 15:41 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/21/18 19:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 19:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 19:28	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 19:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 19:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 19:28	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 19:28	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 19:28	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 19:28	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 19:28	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 19:28	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 19:28	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 19:28	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 19:28	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 19:28	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 19:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 19:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 19:28	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 19:28	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 19:28	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 19:28	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 19:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 19:28	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 19:28	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 19:28	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 19:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 19:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 19:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 19:28	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 19:28	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 19:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 19:28	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 19:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 19:28	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 19:28	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 19:28	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 19:28	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 19:28	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: Dup2518:A022818 **Lab ID: 10422371019** Collected: 02/28/18 00:00 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Acetone	**31.3**	ug/m3	3.7	2.3	1.55		03/14/18 14:12	67-64-1	
Benzene	**1.7**	ug/m3	0.050	0.025	1.55		03/14/18 14:12	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/14/18 14:12	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/16/18 04:06	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/14/18 14:12	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/14/18 14:12	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/16/18 04:06	106-99-0	
2-Butanone (MEK)	**8.8**	ug/m3	4.6	0.31	1.55		03/14/18 14:12	78-93-3	
Carbon disulfide	**80.4**	ug/m3	0.98	0.28	1.55		03/14/18 14:12	75-15-0	
Carbon tetrachloride	**0.90**	ug/m3	0.099	0.051	1.55		03/16/18 04:06	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/14/18 14:12	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/14/18 14:12	75-00-3	
Chloroform	**7.8**	ug/m3	0.077	0.033	1.55		03/14/18 14:12	67-66-3	
Chloromethane	**0.74**	ug/m3	0.65	0.21	1.55		03/14/18 14:12	74-87-3	
Cyclohexane	**1.6**	ug/m3	1.1	0.35	1.55		03/14/18 14:12	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/14/18 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/16/18 04:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/14/18 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/14/18 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/14/18 14:12	106-46-7	
Dichlorodifluoromethane	**2.6**	ug/m3	1.6	0.64	1.55		03/14/18 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/16/18 04:06	75-34-3	
1,2-Dichloroethane	**0.13**	ug/m3	0.064	0.047	1.55		03/16/18 04:06	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/16/18 04:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/16/18 04:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/16/18 04:06	156-60-5	
1,2-Dichloropropane	**0.093**	ug/m3	0.073	0.019	1.55		03/16/18 04:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/16/18 04:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/16/18 04:06	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/14/18 14:12	76-14-2	
Ethanol	**630**	ug/m3	1.5	0.72	1.55		03/14/18 14:12	64-17-5	E
Ethyl acetate	**8.7**	ug/m3	1.1	0.30	1.55		03/14/18 14:12	141-78-6	
Ethylbenzene	**11.6**	ug/m3	1.4	0.27	1.55		03/14/18 14:12	100-41-4	
4-Ethyltoluene	**2.0**	ug/m3	1.5	0.33	1.55		03/14/18 14:12	622-96-8	
n-Heptane	**7.7**	ug/m3	1.3	0.33	1.55		03/14/18 14:12	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/14/18 14:12	87-68-3	
n-Hexane	**13.0**	ug/m3	1.1	0.52	1.55		03/14/18 14:12	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/14/18 14:12	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/14/18 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/14/18 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/14/18 14:12	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/14/18 14:12	91-20-3	
2-Propanol	**34.8**	ug/m3	3.9	1.9	1.55		03/14/18 14:12	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/14/18 14:12	115-07-1	
Styrene	**42.4**	ug/m3	1.3	0.26	1.55		03/14/18 14:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/16/18 04:06	79-34-5	SS

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: Dup2518:A022818 **Lab ID: 10422371019** Collected: 02/28/18 00:00 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
Tetrachloroethene	**0.68**	ug/m3	0.11	0.047	1.55		03/16/18 04:06	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/14/18 14:12	109-99-9	
Toluene	**96.0**	ug/m3	1.2	0.25	1.55		03/14/18 14:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/14/18 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/16/18 04:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/16/18 04:06	79-00-5	
Trichloroethene	**0.13**	ug/m3	0.085	0.048	1.55		03/14/18 14:12	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/14/18 14:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/14/18 14:12	76-13-1	
1,2,4-Trimethylbenzene	**5.0**	ug/m3	1.5	0.27	1.55		03/14/18 14:12	95-63-6	
1,3,5-Trimethylbenzene	**2.1**	ug/m3	1.5	0.64	1.55		03/14/18 14:12	108-67-8	
Vinyl acetate	**2.8**	ug/m3	1.1	0.26	1.55		03/14/18 14:12	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/16/18 04:06	75-01-4	
m&p-Xylene	**49.1**	ug/m3	2.7	0.54	1.55		03/14/18 14:12	179601-23-1	
o-Xylene	**13.5**	ug/m3	1.4	0.58	1.55		03/14/18 14:12	95-47-6	

Sample: Dup2518:A022818 Cert#2360 **Lab ID: 10422371020** Collected: 02/28/18 00:00 Received: 03/02/18 10:00 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	2.4	1.5	1		02/21/18 01:52	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 01:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 01:52	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 01:52	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 01:52	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 01:52	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 01:52	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 01:52	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 01:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 01:52	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 01:52	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 01:52	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 01:52	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 01:52	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 01:52	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 01:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 01:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 01:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 01:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 01:52	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 01:52	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 01:52	75-34-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Sample: Dup2518:A022818 Cert#2360 **Lab ID: 10422371020** Collected: 02/28/18 00:00 Received: 03/02/18 10:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR SIM SCAN	Analytical Method: TO-15								
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 01:52	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/21/18 01:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 01:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 01:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 01:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 01:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 01:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 01:52	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 01:52	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 01:52	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 01:52	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 01:52	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 01:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 01:52	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 01:52	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 01:52	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 01:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 01:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 01:52	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 01:52	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 01:52	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 01:52	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 01:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 01:52	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 01:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 01:52	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 01:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 01:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 01:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 01:52	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 01:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 01:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 01:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 01:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 01:52	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 01:52	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 01:52	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 01:52	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 01:52	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

QC Batch: 527160 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10422371001, 10422371003, 10422371005, 10422371007, 10422371009, 10422371011, 10422371013, 10422371015, 10422371017

METHOD BLANK: 2859852 Matrix: Air
Associated Lab Samples: 10422371001, 10422371003, 10422371005, 10422371007, 10422371009, 10422371011, 10422371013, 10422371015, 10422371017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.056	0.025	03/15/18 16:30	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.070	0.038	03/15/18 16:30	SS
1,1,2-Trichloroethane	ug/m3	ND	0.056	0.027	03/15/18 16:30	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	0.37	03/13/18 16:22	
1,1-Dichloroethane	ug/m3	ND	0.041	0.015	03/15/18 16:30	
1,1-Dichloroethene	ug/m3	ND	0.040	0.020	03/15/18 16:30	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	0.96	03/13/18 16:22	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	0.17	03/13/18 16:22	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.078	0.038	03/15/18 16:30	
1,2-Dichlorobenzene	ug/m3	ND	1.2	0.33	03/13/18 16:22	
1,2-Dichloroethane	ug/m3	ND	0.041	0.030	03/15/18 16:30	
1,2-Dichloropropane	ug/m3	ND	0.047	0.012	03/15/18 16:30	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	0.41	03/13/18 16:22	
1,3-Butadiene	ug/m3	ND	0.022	0.022	03/15/18 16:30	
1,3-Dichlorobenzene	ug/m3	ND	1.2	0.47	03/13/18 16:22	
1,4-Dichlorobenzene	ug/m3	ND	1.2	0.22	03/13/18 16:22	
2-Butanone (MEK)	ug/m3	ND	3.0	0.20	03/13/18 16:22	
2-Hexanone	ug/m3	ND	4.2	0.61	03/13/18 16:22	
2-Propanol	ug/m3	ND	2.5	1.2	03/13/18 16:22	
4-Ethyltoluene	ug/m3	ND	1.0	0.21	03/13/18 16:22	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	0.36	03/13/18 16:22	
Acetone	ug/m3	ND	2.4	1.5	03/13/18 16:22	
Benzene	ug/m3	ND	0.032	0.016	03/15/18 16:30	
Benzyl chloride	ug/m3	ND	1.0	0.24	03/13/18 16:22	
Bromodichloromethane	ug/m3	ND	0.068	0.028	03/15/18 16:30	
Bromoform	ug/m3	ND	2.1	0.69	03/13/18 16:22	SS
Bromomethane	ug/m3	ND	0.79	0.21	03/13/18 16:22	
Carbon disulfide	ug/m3	ND	0.63	0.18	03/13/18 16:22	
Carbon tetrachloride	ug/m3	ND	0.064	0.033	03/15/18 16:30	
Chlorobenzene	ug/m3	ND	0.94	0.18	03/13/18 16:22	
Chloroethane	ug/m3	ND	0.54	0.20	03/13/18 16:22	
Chloroform	ug/m3	ND	0.050	0.021	03/15/18 16:30	
Chloromethane	ug/m3	ND	0.42	0.13	03/13/18 16:22	
cis-1,2-Dichloroethene	ug/m3	ND	0.040	0.014	03/15/18 16:30	
cis-1,3-Dichloropropene	ug/m3	ND	0.046	0.027	03/15/18 16:30	
Cyclohexane	ug/m3	ND	0.70	0.23	03/13/18 16:22	
Dibromochloromethane	ug/m3	ND	1.7	0.030	03/13/18 16:22	
Dichlorodifluoromethane	ug/m3	ND	1.0	0.42	03/13/18 16:22	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	0.44	03/13/18 16:22	
Ethanol	ug/m3	ND	0.96	0.46	03/13/18 16:22	

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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: 2516/18 WAKS2510c
Pace Project No.: 10422371

METHOD BLANK: 2859852 Matrix: Air

Associated Lab Samples: 10422371001, 10422371003, 10422371005, 10422371007, 10422371009, 10422371011, 10422371013, 10422371015, 10422371017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	0.20	03/13/18 16:22	
Ethylbenzene	ug/m3	ND	0.88	0.17	03/13/18 16:22	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	0.87	03/13/18 16:22	
m&p-Xylene	ug/m3	ND	1.8	0.35	03/13/18 16:22	
Methyl-tert-butyl ether	ug/m3	ND	3.7	0.67	03/13/18 16:22	
Methylene Chloride	ug/m3	ND	3.5	1.5	03/13/18 16:22	
n-Heptane	ug/m3	ND	0.83	0.21	03/13/18 16:22	
n-Hexane	ug/m3	ND	0.72	0.33	03/13/18 16:22	
Naphthalene	ug/m3	ND	2.7	0.60	03/13/18 16:22	
o-Xylene	ug/m3	ND	0.88	0.37	03/13/18 16:22	
Propylene	ug/m3	ND	0.35	0.16	03/13/18 16:22	
Styrene	ug/m3	ND	0.87	0.17	03/13/18 16:22	
Tetrachloroethene	ug/m3	ND	0.069	0.030	03/15/18 16:30	
Tetrahydrofuran	ug/m3	ND	0.60	0.27	03/13/18 16:22	
Toluene	ug/m3	ND	0.77	0.16	03/13/18 16:22	
trans-1,2-Dichloroethene	ug/m3	ND	0.040	0.021	03/15/18 16:30	
trans-1,3-Dichloropropene	ug/m3	ND	0.046	0.028	03/15/18 16:30	
Trichloroethene	ug/m3	ND	0.055	0.031	03/15/18 16:30	
Trichlorofluoromethane	ug/m3	ND	1.1	0.42	03/13/18 16:22	
Vinyl acetate	ug/m3	ND	0.72	0.17	03/13/18 16:22	
Vinyl chloride	ug/m3	ND	0.026	0.026	03/15/18 16:30	

LABORATORY CONTROL SAMPLE: 2859853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	.55	0.56	101	56-133	
1,1,2,2-Tetrachloroethane	ug/m3	.7	0.69	98	57-146	SS
1,1,2-Trichloroethane	ug/m3	.55	0.56	102	54-146	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	66.4	85	63-139	
1,1-Dichloroethane	ug/m3	.41	0.43	104	63-130	
1,1-Dichloroethene	ug/m3	.4	0.44	109	59-138	
1,2,4-Trichlorobenzene	ug/m3	75.4	88.3	117	60-133	
1,2,4-Trimethylbenzene	ug/m3	50	54.3	109	70-137	
1,2-Dibromoethane (EDB)	ug/m3	.78	0.77	99	55-148	
1,2-Dichlorobenzene	ug/m3	61.1	70.9	116	70-137	
1,2-Dichloroethane	ug/m3	.41	0.42	103	61-130	
1,2-Dichloropropane	ug/m3	.47	0.46	98	60-140	
1,3,5-Trimethylbenzene	ug/m3	50	57.5	115	70-133	
1,3-Butadiene	ug/m3	.22	0.24	108	65-138	
1,3-Dichlorobenzene	ug/m3	61.1	71.3	117	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	71.5	117	70-134	
2-Butanone (MEK)	ug/m3	30	30.7	102	65-143	
2-Hexanone	ug/m3	104	113	108	60-148	

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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: 2516/18 WAKS2510c
Pace Project No.: 10422371

LABORATORY CONTROL SAMPLE: 2859853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Propanol	ug/m3	125	118	95	65-135	
4-Ethyltoluene	ug/m3	50	59.4	119	70-132	
4-Methyl-2-pentanone (MIBK)	ug/m3	104	109	105	70-135	
Acetone	ug/m3	121	103	85	59-132	
Benzene	ug/m3	.32	0.33	100	59-133	
Benzyl chloride	ug/m3	52.6	49.8	95	56-150	
Bromodichloromethane	ug/m3	.68	0.68	100	60-133	
Bromoform	ug/m3	105	103	98	69-150	SS
Bromomethane	ug/m3	39.5	36.0	91	61-141	
Carbon disulfide	ug/m3	31.6	31.5	100	66-134	
Carbon tetrachloride	ug/m3	.64	0.65	101	56-138	
Chlorobenzene	ug/m3	46.8	48.5	104	70-130	
Chloroethane	ug/m3	26.8	24.1	90	65-143	
Chloroform	ug/m3	.5	0.51	103	66-130	
Chloromethane	ug/m3	21	19.9	95	58-140	
cis-1,2-Dichloroethene	ug/m3	.4	0.40	100	65-130	
cis-1,3-Dichloropropene	ug/m3	.46	0.44	96	40-150	
Cyclohexane	ug/m3	35	38.0	108	70-133	
Dibromochloromethane	ug/m3	86.6	86.5	100	46-145	
Dichlorodifluoromethane	ug/m3	50.3	44.3	88	69-130	
Dichlorotetrafluoroethane	ug/m3	71	66.8	94	68-130	
Ethanol	ug/m3	91.6	89.0	97	65-146	
Ethyl acetate	ug/m3	36.6	38.9	106	68-136	
Ethylbenzene	ug/m3	44.1	49.7	113	70-133	
Hexachloro-1,3-butadiene	ug/m3	108	129	119	59-140	
m&p-Xylene	ug/m3	88.3	97.3	110	70-133	
Methyl-tert-butyl ether	ug/m3	91.6	87.2	95	70-132	
Methylene Chloride	ug/m3	177	154	87	67-132	
n-Heptane	ug/m3	41.6	45.1	108	64-136	
n-Hexane	ug/m3	35.8	38.2	107	70-130	
Naphthalene	ug/m3	53.3	63.8	120	55-136	
o-Xylene	ug/m3	44.1	47.9	108	70-132	
Propylene	ug/m3	17.5	17.5	100	37-150	
Styrene	ug/m3	43.3	51.4	119	70-139	
Tetrachloroethene	ug/m3	.69	0.70	101	61-142	
Tetrahydrofuran	ug/m3	30	32.4	108	62-141	
Toluene	ug/m3	38.3	39.9	104	70-130	
trans-1,2-Dichloroethene	ug/m3	.4	0.42	104	67-131	
trans-1,3-Dichloropropene	ug/m3	.46	0.43	93	34-150	
Trichloroethene	ug/m3	.55	0.54	100	58-141	
Trichlorofluoromethane	ug/m3	57.1	50.0	88	59-140	
Vinyl acetate	ug/m3	35.8	40.0	112	57-150	
Vinyl chloride	ug/m3	.26	0.27	102	61-136	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

QC Batch: 527303 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10422371019

METHOD BLANK: 2860577 Matrix: Air
Associated Lab Samples: 10422371019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.056	0.025	03/15/18 16:30	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.070	0.038	03/15/18 16:30	SS
1,1,2-Trichloroethane	ug/m3	ND	0.056	0.027	03/15/18 16:30	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	0.37	03/14/18 10:51	
1,1-Dichloroethane	ug/m3	ND	0.041	0.015	03/15/18 16:30	
1,1-Dichloroethene	ug/m3	ND	0.040	0.020	03/15/18 16:30	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	0.96	03/14/18 10:51	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	0.17	03/14/18 10:51	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.078	0.038	03/15/18 16:30	
1,2-Dichlorobenzene	ug/m3	ND	1.2	0.33	03/14/18 10:51	
1,2-Dichloroethane	ug/m3	ND	0.041	0.030	03/15/18 16:30	
1,2-Dichloropropane	ug/m3	ND	0.047	0.012	03/15/18 16:30	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	0.41	03/14/18 10:51	
1,3-Butadiene	ug/m3	ND	0.022	0.022	03/15/18 16:30	
1,3-Dichlorobenzene	ug/m3	ND	1.2	0.47	03/14/18 10:51	
1,4-Dichlorobenzene	ug/m3	ND	1.2	0.22	03/14/18 10:51	
2-Butanone (MEK)	ug/m3	ND	3.0	0.20	03/14/18 10:51	
2-Hexanone	ug/m3	ND	4.2	0.61	03/14/18 10:51	
2-Propanol	ug/m3	ND	2.5	1.2	03/14/18 10:51	
4-Ethyltoluene	ug/m3	ND	1.0	0.21	03/14/18 10:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	0.36	03/14/18 10:51	
Acetone	ug/m3	ND	2.4	1.5	03/14/18 10:51	
Benzene	ug/m3	ND	0.032	0.016	03/15/18 16:30	
Benzyl chloride	ug/m3	ND	1.0	0.24	03/14/18 10:51	
Bromodichloromethane	ug/m3	ND	0.068	0.028	03/15/18 16:30	
Bromoform	ug/m3	ND	2.1	0.69	03/14/18 10:51	SS
Bromomethane	ug/m3	ND	0.79	0.21	03/14/18 10:51	
Carbon disulfide	ug/m3	ND	0.63	0.18	03/14/18 10:51	
Carbon tetrachloride	ug/m3	ND	0.064	0.033	03/15/18 16:30	
Chlorobenzene	ug/m3	ND	0.94	0.18	03/14/18 10:51	
Chloroethane	ug/m3	ND	0.54	0.20	03/14/18 10:51	
Chloroform	ug/m3	ND	0.050	0.021	03/15/18 16:30	
Chloromethane	ug/m3	ND	0.42	0.13	03/14/18 10:51	
cis-1,2-Dichloroethene	ug/m3	ND	0.040	0.014	03/15/18 16:30	
cis-1,3-Dichloropropene	ug/m3	ND	0.046	0.027	03/15/18 16:30	
Cyclohexane	ug/m3	ND	0.70	0.23	03/14/18 10:51	
Dibromochloromethane	ug/m3	ND	1.7	0.030	03/14/18 10:51	
Dichlorodifluoromethane	ug/m3	ND	1.0	0.42	03/14/18 10:51	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	0.44	03/14/18 10:51	
Ethanol	ug/m3	ND	0.96	0.46	03/14/18 10:51	
Ethyl acetate	ug/m3	ND	0.73	0.20	03/14/18 10:51	

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: 2516/18 WAKS2510c
Pace Project No.: 10422371

METHOD BLANK: 2860577 Matrix: Air
Associated Lab Samples: 10422371019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	0.17	03/14/18 10:51	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	0.87	03/14/18 10:51	
m&p-Xylene	ug/m3	ND	1.8	0.35	03/14/18 10:51	
Methyl-tert-butyl ether	ug/m3	ND	3.7	0.67	03/14/18 10:51	
Methylene Chloride	ug/m3	ND	3.5	1.5	03/14/18 10:51	
n-Heptane	ug/m3	ND	0.83	0.21	03/14/18 10:51	
n-Hexane	ug/m3	ND	0.72	0.33	03/14/18 10:51	
Naphthalene	ug/m3	ND	2.7	0.60	03/14/18 10:51	
o-Xylene	ug/m3	ND	0.88	0.37	03/14/18 10:51	
Propylene	ug/m3	ND	0.35	0.16	03/14/18 10:51	
Styrene	ug/m3	ND	0.87	0.17	03/14/18 10:51	
Tetrachloroethene	ug/m3	ND	0.069	0.030	03/15/18 16:30	
Tetrahydrofuran	ug/m3	ND	0.60	0.27	03/14/18 10:51	
Toluene	ug/m3	ND	0.77	0.16	03/14/18 10:51	
trans-1,2-Dichloroethene	ug/m3	ND	0.040	0.021	03/15/18 16:30	
trans-1,3-Dichloropropene	ug/m3	ND	0.046	0.028	03/15/18 16:30	
Trichloroethene	ug/m3	ND	0.055	0.031	03/15/18 16:30	
Trichlorofluoromethane	ug/m3	ND	1.1	0.42	03/14/18 10:51	
Vinyl acetate	ug/m3	ND	0.72	0.17	03/14/18 10:51	
Vinyl chloride	ug/m3	ND	0.026	0.026	03/15/18 16:30	

LABORATORY CONTROL SAMPLE: 2860578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	.55	0.56	101	56-133	
1,1,2,2-Tetrachloroethane	ug/m3	.7	0.69	98	57-146	SS
1,1,2-Trichloroethane	ug/m3	.55	0.56	102	54-146	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	72.2	93	63-139	
1,1-Dichloroethane	ug/m3	.41	0.43	104	63-130	
1,1-Dichloroethene	ug/m3	.4	0.44	109	59-138	
1,2,4-Trichlorobenzene	ug/m3	75.4	79.7	106	60-133	
1,2,4-Trimethylbenzene	ug/m3	50	57.6	115	70-137	
1,2-Dibromoethane (EDB)	ug/m3	.78	0.77	99	55-148	
1,2-Dichlorobenzene	ug/m3	61.1	72.1	118	70-137	
1,2-Dichloroethane	ug/m3	.41	0.42	103	61-130	
1,2-Dichloropropane	ug/m3	.47	0.46	98	60-140	
1,3,5-Trimethylbenzene	ug/m3	50	60.0	120	70-133	
1,3-Butadiene	ug/m3	.22	0.24	108	65-138	
1,3-Dichlorobenzene	ug/m3	61.1	73.7	121	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	75.0	123	70-134	
2-Butanone (MEK)	ug/m3	30	29.7	99	65-143	
2-Hexanone	ug/m3	104	118	114	60-148	
2-Propanol	ug/m3	125	124	99	65-135	
4-Ethyltoluene	ug/m3	50	61.3	123	70-132	

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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: 2516/18 WAKS2510c
Pace Project No.: 10422371

LABORATORY CONTROL SAMPLE: 2860578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	104	111	107	70-135	
Acetone	ug/m3	121	108	89	59-132	
Benzene	ug/m3	.32	0.33	100	59-133	
Benzyl chloride	ug/m3	52.6	51.2	97	56-150	
Bromodichloromethane	ug/m3	.68	0.68	100	60-133	
Bromoform	ug/m3	105	109	103	69-150	SS
Bromomethane	ug/m3	39.5	39.6	100	61-141	
Carbon disulfide	ug/m3	31.6	34.2	108	66-134	
Carbon tetrachloride	ug/m3	.64	0.65	101	56-138	
Chlorobenzene	ug/m3	46.8	47.8	102	70-130	
Chloroethane	ug/m3	26.8	25.8	96	65-143	
Chloroform	ug/m3	.5	0.51	103	66-130	
Chloromethane	ug/m3	21	20.4	97	58-140	
cis-1,2-Dichloroethene	ug/m3	.4	0.40	100	65-130	
cis-1,3-Dichloropropene	ug/m3	.46	0.44	96	40-150	
Cyclohexane	ug/m3	35	37.1	106	70-133	
Dibromochloromethane	ug/m3	86.6	91.9	106	46-145	
Dichlorodifluoromethane	ug/m3	50.3	48.3	96	69-130	
Dichlorotetrafluoroethane	ug/m3	71	69.2	97	68-130	
Ethanol	ug/m3	91.6	94.1	103	65-146	
Ethyl acetate	ug/m3	36.6	38.4	105	68-136	
Ethylbenzene	ug/m3	44.1	50.2	114	70-133	
Hexachloro-1,3-butadiene	ug/m3	108	119	110	59-140	
m&p-Xylene	ug/m3	88.3	102	116	70-133	
Methyl-tert-butyl ether	ug/m3	91.6	93.6	102	70-132	
Methylene Chloride	ug/m3	177	166	94	67-132	
n-Heptane	ug/m3	41.6	44.0	106	64-136	
n-Hexane	ug/m3	35.8	36.8	103	70-130	
Naphthalene	ug/m3	53.3	56.1	105	55-136	
o-Xylene	ug/m3	44.1	50.0	113	70-132	
Propylene	ug/m3	17.5	17.6	101	37-150	
Styrene	ug/m3	43.3	51.8	120	70-139	
Tetrachloroethene	ug/m3	.69	0.70	101	61-142	
Tetrahydrofuran	ug/m3	30	31.6	105	62-141	
Toluene	ug/m3	38.3	40.0	104	70-130	
trans-1,2-Dichloroethene	ug/m3	.4	0.42	104	67-131	
trans-1,3-Dichloropropene	ug/m3	.46	0.43	93	34-150	
Trichloroethene	ug/m3	.55	0.54	100	58-141	
Trichlorofluoromethane	ug/m3	57.1	54.0	94	59-140	
Vinyl acetate	ug/m3	35.8	39.9	112	57-150	
Vinyl chloride	ug/m3	.26	0.27	102	61-136	

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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: 2516/18 WAKS2510c
Pace Project No.: 10422371

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.

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.
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
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2516/18 WAKS2510c
Pace Project No.: 10422371

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10422371001	**IA1:A022818**	TO-15	527160		
10422371002	**IA1:A022818 Cert#2746**	TO-15	527292		
10422371003	**SS1:A022818**	TO-15	527160		
10422371004	**SS1:A022818 Cert#2141**	TO-15	527292		
10422371005	**IA2:A022818**	TO-15	527160		
10422371006	**IA2:A022818 Cert#2727**	TO-15	527292		
10422371007	**SS2:A022818**	TO-15	527160		
10422371008	**SS2:A022818 Cert#0223**	TO-15	527292		
10422371009	**OA2516:A022818**	TO-15	527160		
10422371010	**OA2516:A022818 Cert#0505**	TO-15	527292		
10422371011	**IA3:A022818**	TO-15	527160		
10422371012	**IA3:A022818 Cert#2027**	TO-15	527292		
10422371013	**CSA3:A022818**	TO-15	527160		
10422371014	**CSA3:A022818 Cert#2759**	TO-15	527292		
10422371015	**IA4:A022818**	TO-15	527160		
10422371016	**IA4:A022818 Cert#0845**	TO-15	527292		
10422371017	**SS4:A022818**	TO-15	527160		
10422371018	**SS4:A022818 Cert#1596**	TO-15	527292		
10422371019	**Dup2518:A022818**	TO-15	527303		
10422371020	**Dup2518:A022818 Cert#2360**	TO-15	527318		

Pace Analytical®
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AIR: CHAIN-OF-CUSTOD

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

WO# : 10422371

10422371

31587

Page: 1 of 1

Section A Required Client Information:

Company: The ELAM Group
Address: 176 W Logan St Ste 147 Noblesville IN 46060
Email To: chris.sloffer@elamusa.com
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Jason Olund
Copy To:
Purchase Order No.: WAKS2510C
Project Name: WAKS2510C
Project Number: 2516/18

Section C Invoice Information:

Attention:
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.___ 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 #	'Section D Required Client Information 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 SIM	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA1: A022818	6LC		2/28	707	2/28	1506	-30	-4	2744	1034					X					001
2	SS1: A022818	6LC		2/28	706	2/28	1507	-30	-11	2141	307					X					003
3	IA2: A022818	6LC		2/28	710	2/28	1509	-30	-4	2727	1078					X					005
4	SS2: A022818	6LC		2/28	709	2/28	1511	-30	-2	223	121					X					007
5	OA 2516: A022818	6LC		2/28	712	2/28	1513	-30	-3	505	1255					X					009
6	IA3: A022818	6LC		2/28	730	2/28	1530	-29	-2	2027	742					X					011
7	CSA3: A022818	6LC		2/28	729	2/28	1531	-29	-4	2759	388					X					013
8	IA4: A022818	6LC		2/28	739	2/28	1542	-27	-2	854	1073					X					015
9	SS4: A022818	6LC		2/28	734	2/28	1541	-30	-4	1596	149					X					017
10	Dup 2518: A022818	6LC		2/28	—	2/28	—	-30	-5	2360	280					X					019
11																					
12																					

Pace Lab ID: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020

Comments:

TO-15 SIM

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] ELAM	3-1-18	1400	[signature] FedEx	3-1-18	1430
[signature]	3-1-18	1200	[signature] Pace	3/2/18	10:00

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: Chris Sloffer DATE Signed (MM / DD / YY): 2/28/2018

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: 28Dec2017 Page 1 of 1
	Document No.: F-MN-A-106-rev.14	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: ELAM

Project #: R6 3/2/18

WO#: 10422371

PM: CT1 **Due Date: 03/16/18**

CLIENT: ELAM Group

Courier: [X] Fed Ex [ ] UPS [ ] Speedee [ ] Client [ ] Commercial [ ] Pace [ ] Other: 7324

Tracking Number: 4249 3595 9346, 9357, ~~9374~~, 9513, 9335, 9302

Custody Seal on Cooler/Box Present? [X] Yes [ ] No **Seals Intact?** [X] Yes [ ] No

Optional: Proj. Due Date: Proj. Name:

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] Foam [ ] None [ ] Tin Can [ ] Other:

Temp Blank rec: [ ] Yes [X] No

Temp. (TO17 and TO13 samples only) (°C): — **Corrected Temp (°C):** — **Thermom. Used:** [ ] 151401163 [ ] G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** — **Date & Initials of Person Examining Contents:** R 03/2/18

Type of Ice Received [ ] Blue [ ] Wet [X] None

				Comments:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Chain of Custody Filled Out?	[X] Yes	[ ] No	[ ] N/A	2.
Chain of Custody Relinquished?	[X] Yes	[ ] No	[ ] N/A	3.
Sampler Name and/or Signature on COC?	[X] Yes	[ ] No	[ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No	[ ] N/A	6.
Rush Turn Around Time Requested?	[ ] Yes	[X] No	[ ] N/A	7.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	8.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	9.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	10.
Media: Air Can Airbag Filter TDT Passive				11. Individually Certified Cans (Y) N (list which samples)
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	12.

Samples Received: Pressure Gauge # 10AIR26

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
IA1			-4	5	Vup2518			-4	5
SS1			-11	11					
IA2			-4	11	Unused	2361	145	-30	—
SS2			-2	11	Unused	2722	415	-30	—
OA2516			-1	11	Unused	852	332	-27	—
IA3			-4	11					
CSA3			-4	11					
IA4			-1	11					
SS4			-4	11					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Carolyne Trust **Date:** 3/5/18

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)