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: Vapor Intrusion Assessment Report - 720 E. 25th Ave, Seattle, WA
VCP ID: NW2009; Cleanup Site ID: 4175: Facility/Site ID: 476174
Former Cherry 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") at the Islamic School of Seattle ("ISS") pursuant to the Washington Department of Ecology's ("Ecology's") request in January of 2017. The reassessment was dictated by the results of the "reasonable worst case" VI scenario[1,2] sampling conducting during March of 2017. Those results showed noncompliant tetrachloroethene ("PCE") and trichloroethene ("TCE") results in the 2nd-story indoor air sample. The result could not be connected to the subslab soil gas ("SGss"). Consequently, The ELAM Group recommended a re-assessment be

[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.

conducted again during the "reasonable worst case" VI scenario to determine if the results could be connected to SGss. The following narrative describes this work.

Background

The building at 720 East 25th Street ("720") is located north of the former Cherry Street Cleaners dry cleaning facility as shown on Figure 1. Cherry Street Cleaners operated at 2510 East Cherry Street from 1968 to 2007. During this period, the facility handled tetrachloroethene ("PCE"), which was released to the subsurface. The constituents of concern ("COCs") in this matter are thus associated with historic dry cleaning operations, including chlorinated volatile organic compounds ("cVOCs") such as PCE and its daughter products TCE, cis-dichloroethene ("c-DCE") and vinyl chloride ("VC"). Several investigations and remedial activities of the COC impacts to soil, groundwater and soil gas have ensued since 2007. Details of the prior work is publicly available through Ecology's dedicated website to this site.[3]

Specific to 720, Ecology issued an Opinion Letter ("Opinion") on 3/6/14 with regard to the VIAs conducted during 2012 and 2013. The VIA data were compared to the Model Toxics Control Act ("MTCA") Method B Residential Indoor Air Cleanup Levels ("IACLs") and Soil Gas Screening Levels ("SGSLs"). The Opinion stated that the vapor intrusion pathway was incomplete at 720 for residential receptors. As of this writing, the building is still used for residential purposes.

On 1/5/17, Ecology requested that Cherry Cleaners once again re-assess the VI potential after receiving a call from the ISS regarding the results. Although Ecology determined that the VI pathway was incomplete, the noncompliant SGss results dictated another VIA.

On 3/16/17, The ELAM Group performed a VIA at the ISS. The results were reported to Ecology in a VIA reported, dated 12/13/17.[4] The results indicated that VI was not occurring when comparing the SGss results with the indoor air ("IA") results directly overlying the SGss sample locations. However, a sample from a 2nd-story room in the south-central portion of the ISS building contained concentrations of PCE and TCE that

[3] Ecology, 2017, Cherry Street Cleaners, Ecology: https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4175 (URL last accessed 4/25/18).
[4] The ELAM Group, 2017, *Vapor Intrusion Assessment Report - 720 E. 25th Ave., Seattle, WA*, *TO:* Dale Myers, Ecology, *FROM:* James Hogan, The ELAM Group, 12/13/17.

exceeded Ecology's Method B Indoor Air Closure Levels ("IACLs"). The detection could not be rationally explained as stemming from the SGss, but rather as an unidentified source within the room itself. Consequently, a re-sampling of the ISS building was recommended to determine if this occurrence was somehow related to SGss.

Work Plan Rationale

This re-sampling of the ISS was dictated by the prior sampling event conducted on 3/16/17 that showed PCE and TCE in the south-central section of the building.

Procedures

The VIA conducted in February of 2018 was designed to replicate the VIA in March of 2017. As such, the February 2018 event was conducted under a "reasonable worst case" scenario to the extent practical. The HVAC was shut down and doors remained closed except as needed for ingress and egress.

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 a 8-hour time period

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

Results

On 2/26/18, The ELAM Group surveyed the chemicals housed within the ISS building. According to the chemical inventory, partially filled cans of latex paint and oil based stain were removed from the south basement. In addition, several chemicals were removed from the janitorial closet located within the west-central portion of the building.

None of the chemicals removed contained cVOCs. The chemical inventory is provided in Attachment B.

Not less than 48 hours after the chemicals were removed, The ELAM Group initiated subslab and indoor air sampling using laboratory-supplied 6-liter stainless steel Summa canisters. Summa Canister Sampling Forms are provided in Attachment C.

The analytical results are summarized in Table 1 and shown relative to sample location on Figure 2 alongside the data from the March 2017 VIA. The March 2018 laboratory analytical report is provided in Attachment D.

Analysis

Cherry Street Cleaners COCs Analysis

The concentrations of the COCs associated with the former Cherry Street Cleaners in the samples from 720 all complied with Ecology's respective Method B SGSLs and IACLs with the exception of two subslab samples within the southern portion of the building, specifically:

- The south-central portion of the building contained a concentration of PCE within the subslab that exceeded the Method B SGSL at SS-2
- The south-east portion of the building contained a concentration of TCE within the subslab that exceeded the Method B SGSL at SS-1

In both cases, the overlying indoor air samples were lower than the corresponding IACLs. Therefore, vapor intrusion is not occurring at concentrations greater than the applicable Residential IACLs in 720 for the second consecutive sampling event.

In the prior sampling event conducted on 3/16/17, TCE was identified within the 2nd floor IA sample of the south-central portion of the building, but not the SGss. This sampling event was conducted to determine if those results could be duplicated and whether any connection could be made to the SGss. The results indicate that the concentrations could not be duplicated. These data support our prior conclusion that the TCE identified in the 2nd floor air sample during the 3/16/17 sampling event was unrelated to the SGss.

Carbon Tetrachloride/Chloroform/Dichlorodifluoromethane Analysis

Carbon Tetrachloride ("CT") and chloroform were both detected in each of the seven IA samples collected from the southern portion of the building at concentrations in exceedance of Method B IACLs. Both COCs were also detected in the two functional subslab sample ports, SS-1 and SS-2, but only CT exceeded the Method B SGSL in one of the samples, SS-2. CT was also found in the outdoor air sample at a concentration that was higher than any of the indoor air samples.

The presence of chloroform may be a result of it being a daughter product of 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").[6]

An inspection of the 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.[4] 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 ISS at MW-13 and MW-12, respectively. All of the properties and monitoring wells are shown on Figure 1.

Based on the distribution of CT in groundwater, there may be two source areas of CT. However, because we know that CT usage relates to dry cleaning conducted in the 1940s and that the Neighborhood/Unique Cleaners operated during that period and that the highest concentration of CT is detected beneath the former Neighborhood/Unique Cleaners, we conclude that the CT sourced from 2522 East Cherry Street. However, its transport toward the northwest would require a period of time for groundwater to flow in that direction. During our evaluation of the site's groundwater flow since 2007, the flow direction has generally been to the east, but is relatively flat and could have been influenced historically by groundwater pumping.

We do not believe that the Cherry Street Cleaners is a source area of CT or chloroform because Cherry Street Cleaners' use of a chlorinated solvent began in 1968 with PCE

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

and remained PCE until it ceased dry-cleaning activities in 2007. We therefore conclude that the CT and chloroform contamination is unrelated to the Cherry Street Cleaners.

An alternative source of CT may exist at the ISS by way of dichlorodifluoromethane, which is also known as Freon 12. Freon 12 was detected within all SGss and IA samples in the south section of the building. The presence of Freon 12 appears to be related to the ISS building. When manufactured, Freon 12 was produced from CT via a reaction of CT with hydrogen fluoride in the presence of antimony chloride.[7,8]

Petroleum-Based Chemicals

Finally, a few petroleum-related chemicals were detected at concentrations greater than Ecology's SGSLs and/or IACLs, including benzene 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 VI pathway remains incomplete for the COCs associated with the Cherry Street Cleaners. When conjoined with the prior sampling events from 11/30/12, 11/7/13 and 3/16/17, each of which were conducted during a "reasonable worst case" VI scenario, we have now accumulated four consecutive data sets that suggest that the VI pathway has remained below Residential IACLs. Ecology's Opinion from 3/6/14 stated that the pathway was incomplete. These additional data sets from 3/16/17 and 2/28/18 support that Opinion.

To ensure that compliance is maintained, a VIA in the south-central portion of the building should be conducted annually. This monitoring should be restricted to the southern portion of the ISS building and conducted in an identical manner as the event conducted during February of 2018. This monitoring should continue until the SGss concentrations reduce below the SGSLs for two consecutive events.

[7] USEPA, 1984, *Locating and Estimating Air Emissions from Carbon Tetrachloride*, USEPA Office of Air Quality Document No. EPA-450/4-84-007b, March 1984, USEPA: https://www3.epa.gov/ttnchie1/le/carbtet.pdf (URL last verified 4/25/18).
[8] Urban, P., 2013, *Brethericks Handbook of Reactive Chemical Hazards*, Volume 1, Academic Press, 7th Edition.

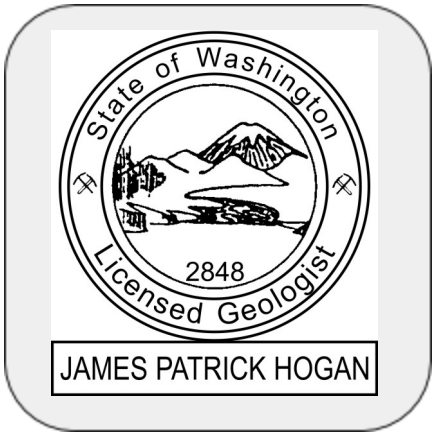
Should you have any questions with this VIA report, please contact me at (888) 510-3526 x102 or james.hogan@elamusa.com.

Sincerely,

TheELAMGroup

Digitally signed by James Hogan
Date: 2018.11.07 14:26:01 -05'00'

James P. Hogan, RG



Table

Table 1. Summary of Sub-Slab Soil Gas and Indoor Air VOC Results from 720 E. 25th Street, Seattle, WA

Former Cherry Cleaners

2510 E. Cherry Street, Seattle, WA 98122

VCP No. NW2009

Building Location	Building Floor	Sample Location	Sample ID	Date	Sample Type	Analytical Method	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	Benzene	Carbon tetrachloride	Chloroform	Dichlorodifluoro-methane	1,2-Dichloro-ethane	Napthalene	m&p-Xylene
						Chemical Abstracts Service Registry Number (CASRN)	127-18-4	79-01-6	75-01-4	71-43-2	56-23-5	67-66-3	75-71-8	107-06-2	91-20-3	108-38-3
						2015 Indoor Air Cleanup Level, Method B	9.62	0.370	0.280	0.321	0.417	0.109	45.7	0.0962	0.0735	45.7
						2015 Sub-Slab Soil Gas Screening Level, Method B	321	12.3	9.33	10.7	13.9	3.62	1,520	3.21	2.45	1,520
North-West	Basement	IA-14	IA-14 ISS 720 25th Ave	11/30/2012	Indoor Air	TO-15 SIM	<0.23	<0.18	<0.044	**1.20**	NT	NT	NT		NT	
	Second Floor	IA-15	IA-15:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.22	<0.18	<0.042		NT	NT	NT		NT	
	First Floor	IA-11	IA-11:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.17	<0.040	0.31	NT	NT	NT		NT	0.55
	Basement	IA-8	IA-8:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.23	<0.18	<0.043	**0.36**	NT	NT	NT		NT	0.86
	Basement	SS-8	SS-8:A110713	11/7/2013	Sub-slab	TO-15 SIM	1.9	<0.17	0.083		NT	NT	NT		NT	0.85
	Second Floor	IA-15	IA-15:A031617	3/16/2017	Indoor Air	TO-15	<1.0	<0.82	<0.77	**1.2**			4.1			2.7
	First Floor	IA-11	IA-11:A031617	3/16/2017	Indoor Air	TO-15	<1.0	<0.82	<0.77				3.4			
	Basement	IA-8	IA-8:A031617	3/16/2017	Indoor Air	TO-15	<1.0	<0.82	<0.77				3.2			
	Basement	SS-8	SS-8:A031617	3/16/2017	Sub-slab	TO-15	4.3	<0.85	<0.81				3.7	2.1	**4.5**	20.5
North-Central	Basement	IA-16	IA-16 ISS 720 25th Ave	11/30/2012	Indoor Air	TO-15 SIM	<0.22	<0.18	<0.042	**1.20**	NT	NT	NT		NT	
	Second Floor	IA-14	IA-14:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.22	<0.18	<0.042		NT	NT	NT		NT	
	First Floor	IA-10	IA-10:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.17	<0.040	0.29	NT	NT	NT		NT	0.51
	Basement	IA-9	IA-9:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.23	<0.18	<0.043	**0.44**	NT	NT	NT		NT	0.63
	Basement	SS-9	SS-9:A110713	11/7/2013	Sub-slab	TO-15 SIM	4.4	<0.17	0.11	0.47	NT	NT	NT		NT	1.6
	Second Floor	IA-14	IA-14:A031617	3/16/2017	Indoor Air	TO-15	<1.1	<0.85	<0.81				3.2			
	First Floor	IA-10	IA-10:A031617	3/16/2017	Indoor Air	TO-15	<1.0	<0.82	<0.77				3.5			
	Basement	IA-9	IA-9:A031617	3/16/2017	Indoor Air	TO-15	<1.1	<0.85	<0.81				3.0		**4.5**	
	Basement	SS-9	SS-9:A031617	3/16/2017	Sub-slab	TO-15	4.1	<0.85	<0.81			**5.00**	3.7	1.6		17.7
	First Floor	IA-7	IA-7:A031617	3/16/2017	Indoor Air	TO-15	<0.99	<0.79	<0.75				3.5		**4.4**	
	First Floor	SS-7	SS-7:A031617	3/16/2017	Sub-slab	TO-15	<1.1	<0.85	<0.81				3.4	1.7		20.3
Center	First Floor	IA-6	IA-6:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.16	<0.039	**0.37**	NT	NT	NT		NT	0.59
	First Floor	SS-6	SS-6:A110713	11/7/2013	Sub-slab	TO-15 SIM	<0.21	<0.17	<0.040		NT	NT	NT		NT	0.76
	First Floor	IA-6	IA-6:A031617	3/16/2017	Indoor Air	TO-15	<0.92	<0.74	<0.70				3.3			
	First Floor	SS-6	SS-6:A031617	3/16/2017	Sub-slab	TO-15	<2.1	<0.85	<0.40	0.55			1.9	1.1		20.0
Central-South	First Floor	IA-4	IA-4:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.22	<0.17	<0.040	**0.63**	NT	NT	NT		NT	1.0
	First Floor	IA-5	IA-5:A110703	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.17	<0.040	**0.39**	NT	NT	NT		NT	0.69
	First Floor	IA-4	IA-4:A031617	3/16/2017	Indoor Air	TO-15	<2.1	<0.82	<0.39				1.8			
	First Floor	IA-5	IA-5:A031617	3/16/2017	Indoor Air	TO-15	<2.1	<0.82	<0.39				2.1			
	First Floor	SS-4	SS-4:A110713	11/7/2013	Sub-slab	TO-15 SIM	0.7	<0.17	<0.040		NT	NT	NT		NT	
	First Floor	SS-5	SS-5:A110713	11/7/2013	Sub-slab	TO-15 SIM	0.29	<0.17	0.072		NT	NT	NT		NT	0.72

Table 1. Summary of Sub-Slab Soil Gas and Indoor Air VOC Results from 720 E. 25th Street, Seattle, WA

Former Cherry Cleaners

2510 E. Cherry Street, Seattle, WA 98122

VCP No. NW2009

Building Location	Building Floor	Sample Location	Sample ID	Date	Sample Type	Analytical Method	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	Benzene	Carbon tetrachloride	Chloroform	Dichlorodifluoro-methane	1,2-Dichloro-ethane	Napthalene	m&p-Xylene
						Chemical Abstracts Service Registry Number (CASRN)	127-18-4	79-01-6	75-01-4	71-43-2	56-23-5	67-66-3	75-71-8	107-06-2	91-20-3	108-38-3
						2015 Indoor Air Cleanup Level, Method B	9.62	0.370	0.280	0.321	0.417	0.109	45.7	0.0962	0.0735	45.7
						2015 Sub-Slab Soil Gas Screening Level, Method B	321	12.3	9.33	10.7	13.9	3.62	1,520	3.21	2.45	1,520
Central-South	First Floor	SS-4	SS-4:A031617	3/16/2017	Sub-slab	TO-15	1.2	<0.82	<0.39	0.69			2.1	2.1	**5.1**	22.0
	First Floor	SS-5	SS-5:A031617	3/16/2017	Sub-slab	TO-15	<1.8	<0.74	<0.35	0.55			2.1	1.4		21.3
South-West	Basement	IA-17	IA-17 ISS 720 25th Ave	11/30/2012	Indoor Air	TO-15 SIM	0.57	<0.18	<0.043	**1.2**	NT	NT	NT		NT	
	Basement	IA-13	IA-13 ISS 720 25th Ave	11/30/2012	Indoor Air	TO-15 SIM	0.81	<0.20	<0.047	**1.3**	NT	NT	NT		NT	
	Basement	SV-23	SV-23 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	230	<0.19	<0.046		NT	NT	NT		NT	
	Basement	SV-24	SV-24 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	300	<0.26	<0.062	0.51	NT	NT	NT		NT	
	Second Floor	IA-17	IA-17:A110713	11/7/2013	Indoor Air	TO-15 SIM	4.8	**3.2**	<0.033		NT	NT	NT		NT	
	First Floor	IA-13	IA-13:A110713	11/7/2013	Indoor Air	TO-15 SIM	0.65	<0.17	<0.040		NT	NT	NT		NT	
	Basement	IA-3	IA-3:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.22	<0.18	<0.042	0.31	NT	NT	NT		NT	0.64
	Basement	SS-3	SS-3:A110713	11/7/2013	Sub-slab	TO-15 SIM	4.1	<0.24	0.49	0.95	NT	NT	NT		NT	1.0
	Second Floor	IA-17	IA-17:A031617	3/16/2017	Indoor Air	TO-15	<2.1	<0.85	<0.40	**0.62**			1.7			
	First Floor	IA-13	IA-13:A031617	3/16/2017	Indoor Air	TO-15	<2.3	<0.92	<0.44				2.4			
	Basement	IA-3	IA-3:A031617	3/16/2017	Indoor Air	TO-15	1.0	<0.79	<0.37				2.3			
	Basement	SS-3	SS-3:A031617	3/16/2017	Sub-slab	--	Sample not collected because of water in sample port									
	Second Floor	IA-17	IA-17:A022818	2/28/2018	Indoor Air	TO-15	0.16	0.089	<0.036	**0.77**	**0.63**	**0.28**	2.4	0.094		
	First Floor	IA-13	IA-13:A022818	2/28/2018	Indoor Air	TO-15	0.13	0.13	<0.037	**0.75**	**0.58**	**2.0**	2.2	**0.099**		
	Basement	IA-3	IA-3:A022818	2/28/2018	Indoor Air	TO-15	0.22	0.11	<0.040	**0.76**	**0.45**	**0.15**	2.3	0.092		**54.8**
	Basement	SS-3	SS-3:A022818	2/28/2018	Sub-slab	--	Sample not collected because of water in sample port									
South-Central	Basement	SV-21	SV-21 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	210	1.4	<0.048	**28**	NT	NT	NT		NT	
	Basement	SV-22	SV-22 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	240	<0.20	<0.047		NT	NT	NT		NT	
	Second Floor	IA-16	IA-16:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.17	<0.040		NT	NT	NT		NT	
	First Floor	IA-12	IA-12:A110713	11/7/2013	Indoor Air	TO-15 SIM	<0.21	<0.17	<0.040		NT	NT	NT		NT	
	Basement	IA-2	IA-2:A110713	11/7/2013	Indoor Air	TO-15 SIM	0.36	0.20	<0.040	0.31	NT	NT	NT		NT	0.29
	Basement	SS-2	SS-2:A110713	11/7/2013	Sub-slab	TO-15 SIM	82	<0.17	0.10	0.33	NT	NT	NT		NT	1.5
	Second Floor	IA-16	IA-16:A031617	3/16/2017	Indoor Air	TO-15	**22.5**	**220**	<0.40	**0.62**			2.2			3.0
	First Floor	IA-12	IA-12:A031617	3/16/2017	Indoor Air	TO-15	<2.2	<0.89	<0.42				1.6			
	Basement	IA-2	IA-2:A031617	3/16/2017	Indoor Air	TO-15	<2.1	<0.85	<0.40				4.7			
	Basement	SS-2	SS-2:A031617	3/16/2017	Sub-slab	TO-15	**445**	<0.89	<0.42	0.63	**220.00**	2.60	4.1	1.5		26.2
	Basement	IA-2	FD:A031617	3/16/2017	Indoor Air	TO-15	<1.1	<0.85	<0.40	**0.55**			5.2		**15.9**	6.7
	Second Floor	IA-16	IA-16:A022818	2/28/2018	Indoor Air	TO-15	0.13	<0.079	<0.037	**0.73**	**0.61**	**0.23**	2.3	0.091		
	Second Floor	IA-16	FD:A022818	2/28/2018	Indoor Air	TO-15	0.13	0.086	<0.036	**0.72**	**0.61**	**0.22**	2.3	0.090		
	First Floor	IA-12	IA-12:A022818	2/28/2018	Indoor Air	TO-15	0.23	0.23	<0.048	**0.73**	**0.62**	**0.18**	2.4	**0.10**		
	Basement	IA-2	IA-2:A022818	2/28/2018	Indoor Air	TO-15	0.29	0.20	<0.040	**0.77**	**0.61**	**0.22**	3.9	0.094		
	Basement	SS-2	SS-2:A022818	2/28/2018	Sub-slab	TO-15	**442**	0.26	<0.037	0.24	**205**	2.0	5.7			

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Former Cherry Cleaners

2510 E. Cherry Street, Seattle, WA 98122

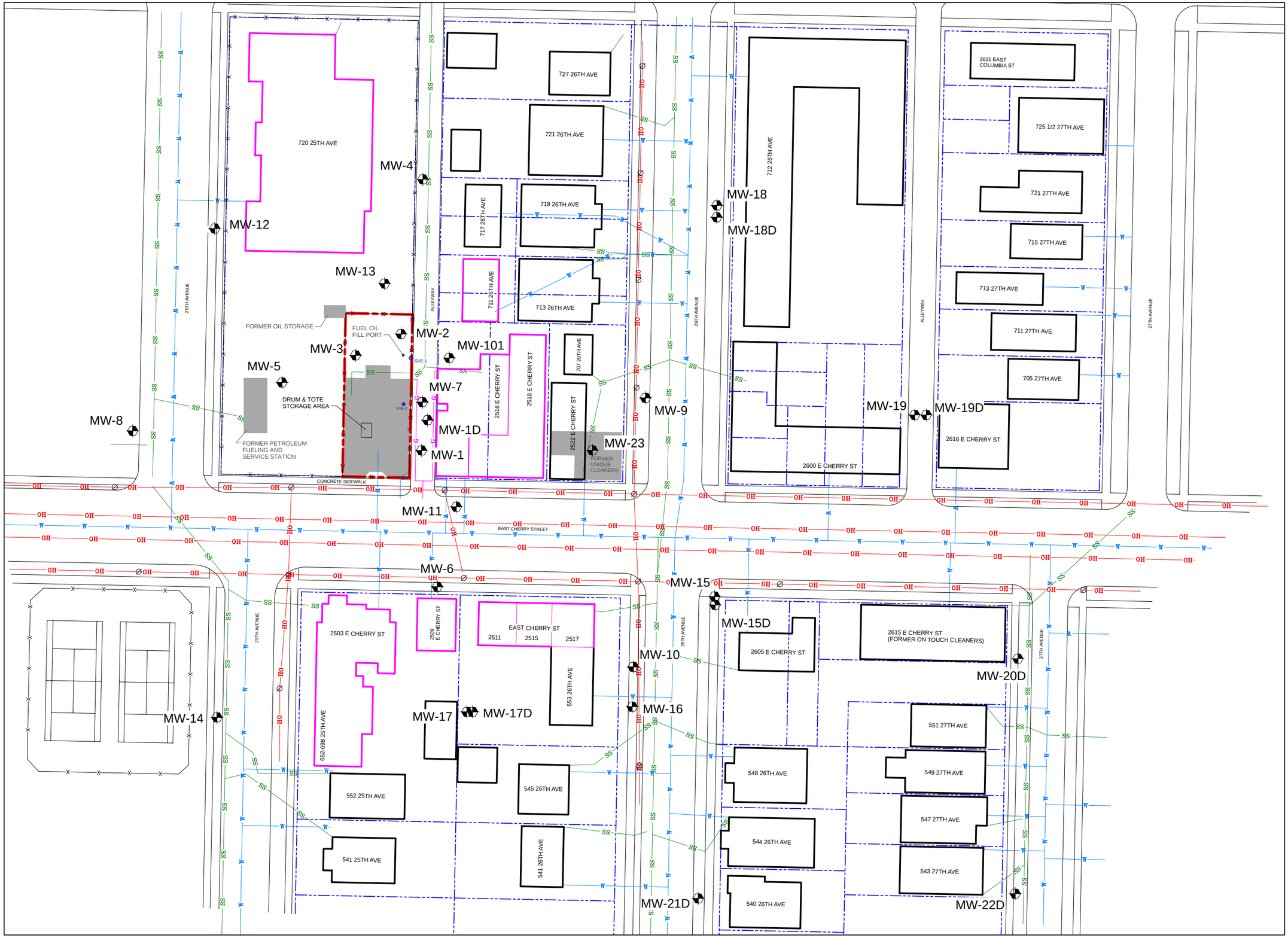
VCP No. NW2009

Building Location	Building Floor	Sample Location	Sample ID	Date	Sample Type	Analytical Method	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	Benzene	Carbon tetrachloride	Chloroform	Dichlorodifluoro-methane	1,2-Dichloro-ethane	Napthalene	m&p-Xylene
						Chemical Abstracts Service Registry Number (CASRN)	127-18-4	79-01-6	75-01-4	71-43-2	56-23-5	67-66-3	75-71-8	107-06-2	91-20-3	108-38-3
						2015 Indoor Air Cleanup Level, Method B	9.62	0.370	0.280	0.321	0.417	0.109	45.7	0.0962	0.0735	45.7
						2015 Sub-Slab Soil Gas Screening Level, Method B	321	12.3	9.33	10.7	13.9	3.62	1,520	3.21	2.45	1,520
South-East	Basement	SV-20	SV-20 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	67	<0.19	<0.046		NT	NT	NT		NT	
	Basement	SV-25	SV-25 ISS 720 25th Ave	11/30/2012	Sub-slab	TO-15 SIM	75	1.7	<0.0046	**30**	NT	NT	NT		NT	
	Basement	IA-1	IA-1:A110713	11/7/2013	Indoor Air	TO-15 SIM	0.38	<0.17	<0.040	0.320	NT	NT	NT		NT	
	Basement	SS-1	SS-1:A110713	11/7/2013	Sub-slab	TO-15 SIM	26	<0.17	<0.041		NT	NT	NT		NT	0.57
	Basement	IA-1	IA-1:A031617	3/16/2017	Indoor Air	TO-15	<2.1	<0.85	<0.40				**66.3**			
	Basement	SS-1	SS-1:A031617	3/16/2017	Sub-slab	TO-15	62.7	<0.85	<0.40	0.58			1.9	1.3		21.2
	Basement	IA-1	IA-1:A022818	2/28/2018	Indoor Air	TO-15	0.31	<0.079	<0.037	**1.1**	**0.52**	**0.44**	14.8	0.089		
	Basement	SS-1	SS-1:A022818	2/28/2018	Sub-slab	TO-15	9.8	**17.5**	<0.037	0.58	0.77	0.26	2.4	0.24		
Outdoor Air	NA	AMB-3	AMB-3 ISS 720 25th Ave	11/30/2012	Outdoor Air	TO-15 SIM	<0.22	<0.18	<0.042	0.84	NT	NT	NT		NT	
	NA	OA1	OA-1:A110713	11/7/2013	Outdoor Air	TO-15 SIM	<0.21	<0.17	<0.040	0.35	NT	NT	NT		NT	
	NA	OA2	OA-1:A110713	11/7/2013	Outdoor Air	TO-15 SIM	<0.22	<0.17	<0.041	0.35	NT	NT	NT		NT	
	NA	OA720	OA-720:A022818	2/28/2018	Outdoor Air	TO-15 SIM	0.20	0.17	<0.039	0.77	0.65	0.12	2.3	0.091		

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. For carcinogens, the Cancer Screening Level is used. For non-carcinogens, the Noncancer Screening Level is used.
4. NT = Not Tested
5. NA = Not Applicable

Figures



TheELAMGroup

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

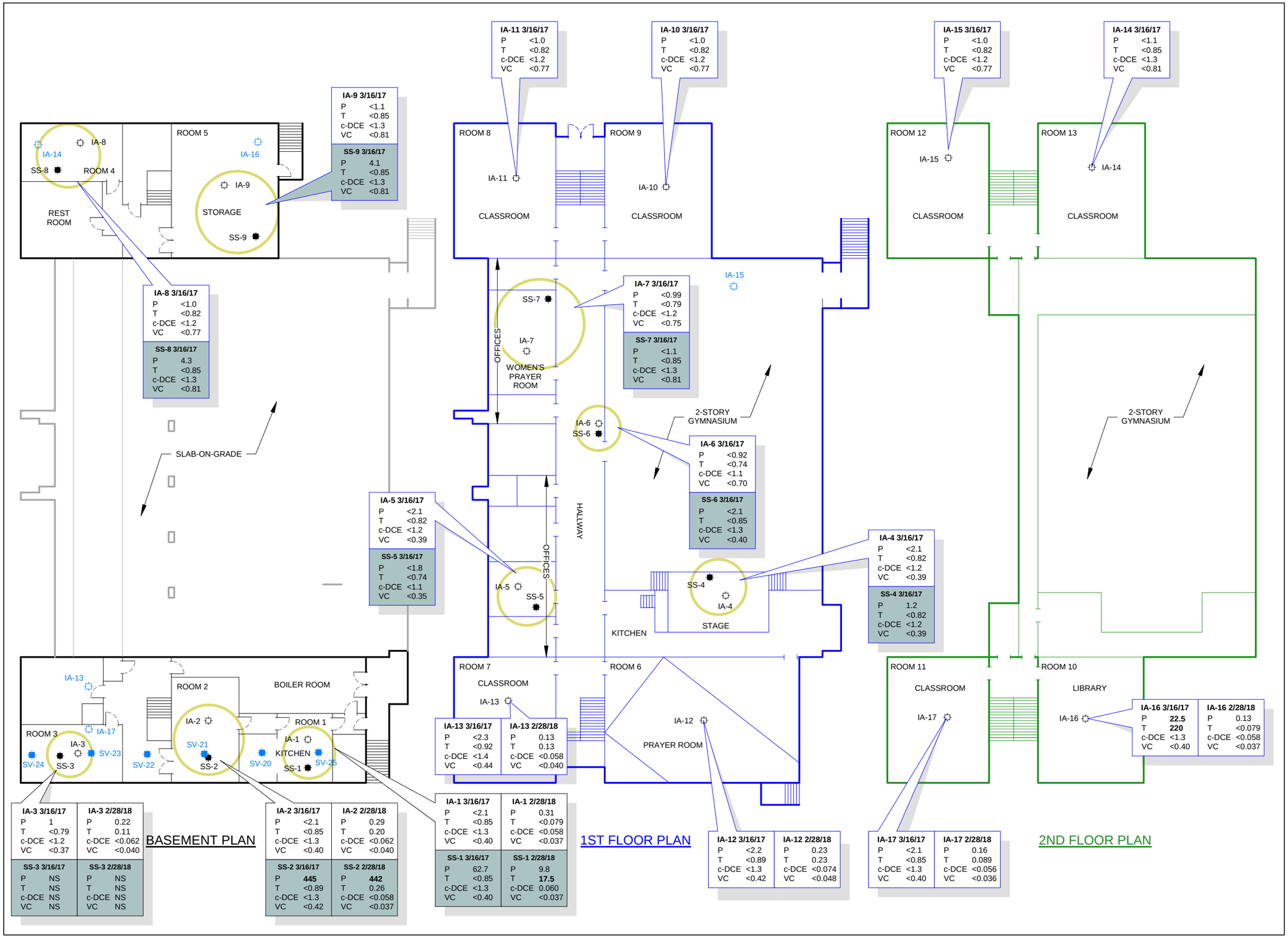
State of Washington — 2848 — Licensed Geologist
JAMES PATRICK HOGAN

Notes:

N

0 30 60

Figure No:	1
Title:	Site Map
Scale:	1" = 60'
Project No:	WAKS2510C8.4
Report:	VIA Report
Drawn by:	The ELAM Group
Date:	11/7/2018



TheELAMGroup

LEGEND

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

State of Washington 2848 Licensed Geologist
JAMES PATRICK HOGAN

Notes:

1) Analytical results are presented in micrograms per cubic meter (ug/m3).

2) Analytical results shown in bold font style exceed the Model Toxics Control Act (MTCA) Method B Cancer Levels that were published by the WA Dept. of Ecology on 4/6/15.

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

N

0 10 20 feet

Figure No: 2

Title: VIA Sample Results

Scale: 1" = 20'

Project No: WAKS2510C8.4

Report: VIA Report

Drawn by: The ELAM Group

Date: 11/7/2018

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

Islamic School of Seattle
720 E 25th Avenue
Seattle, Washington

The VIA process generally included the following steps:

1. An inspection of each premises and removal of chemicals prior to sampling
2. Subslab soil gas (SGss) sample port integrity testing and purging of nine previously-installed sub-slab vapor ports
3. Simultaneous collection of indoor air (IA) and sub-slab soil gas (SGss) 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

The building was inspected for chemicals that could potentially interfere with the VIA prior to sampling. The inspection identified several containers that had the potential to contain VOCs, however none were found to contain cVOCs. These items mainly consisted of primers, non-latex paints, and solvents; some of which were contained in aerosol containers. All chemicals with the potential of VOCs were removed from the premises 48 hours before sampling.

SGss Sample Port Integrity Testing

Prior to sampling, the integrity of each sub-slab vapor 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. The water dam test showed that the seals of all three sample ports were intact.

The cover and pin of sample port SS-3 were locked together with plumber's putty. Once the cover and pin were freed the vapor pin was removed from the sample port and the silicone sleeve replaced, and subsequently reinstalled. A water damn test was conducted and passed; however, no air flow was noted during purging with a hand pump. The vapor pin was removed a second time and a rebar spike inserted into the sample port in an attempt to free and loosen sediments to enable air flow through the port. The vapor pin was then reinstalled and a subsequent water dam test passed. Slow air movement was noted during purge.

Sample Collection

The VIA sampling consisted of seven IA samples, three SGss samples, and one outdoor air (OA) sample. The building construction includes partial basements on the north and south ends of the building; a first floor with offices, hallways, and a two-story gymnasium; and a second floor with hallways, classrooms, and a balcony overlooking the gymnasium. VIA samples were collected from each floor of the building as follows:

- ❏ Basement - three SGss samples paired with three IA samples
- ❏ First Floor - two IA samples overlying the basement IA sample locations
- ❏ Second Floor - two IA samples overlying the first floor sample locations

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.

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 next to the Summa canister for

IA-16. The outdoor air sample (labeled OA) was collected from an upwind location outside the buildings as shown on Figure 1.

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 1. IA samples were collected from the breathable space within the buildings at heights from 3 to 5 feet above the floor. SGss samples were collected through dedicated polyethylene tubing that connected the Summa canister to the sample port.

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: ESS 720 25th Ave

Date: 2/26/2018

Chemical Name	Container type/size	Location	cVOCs? (Y or N)	Removed? (Y or N)
Acetone	1 gal	Stairwell	N	Y
Mineral Spirits	1 quart	Stairwell	N	Y
Joint Compound	1 quart	Stairwell	N	N
Liquid Nails	10 oz	stairwell	N	N
Absorb A Spill	24 oz	stairwell	N	N
Glazing 331	8 oz	Stairwell	N	N
Kilz sealer primer	13 oz aerosol	Stairwell	N	Y
Varathane Liquid Plastic	12 oz aerosol	Stairwell	N	Y
Varathane Liquid Plastic	1 quart	Stairwell	N	Y
Elmers Paste	1 quart	Stairwell	N	N
Henry Plastic Roof Cement	1 gal	Stairwell	N	Y
Varnish Sanding Sealer	1 gal	Stairwell	N	Y
Spar Urethane	32 oz	Stairwell	N	Y
Exterior/Interior Enamel	8 oz	stairwell	N	Y
Rustoleum Topside Paint	32 oz	Stairwell	N	Y
Latex paint	3 oz	Stairwell	N	N
Latex Paint	10-1 gal	Stairwell	N	N
Poly Stain	1 quart	Stairwell	N	N
Varathane	1 gal	Stairwell	N	Y
Stain + finish	32 oz	stairwell	N	Y
Polyurethane	2-1 gal	Stairwell	N	Y
Latex paint	2-5 gallon	Stairwell	N	N
pinesol	5-1 gal	boiler room	N	N
Bleach	3-1 gal	boiler room	N	N
Boiler weld	18 oz	boiler room	N	N

Attachment C

Summa Canister Air Sampling Forms

TheELAMGroup

SUMMA CANISTER AIR SAMPLING FORM

GENERAL INFORMATION

SITE: Former Cherry Cleaners WAKS2510C

SAMPLING ADDRESS: 720 E 25th Avenue

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: CSlaffer / ELAM

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA-1: A022818		1506	318	INITIAL	2/27	shut in test	-29
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	802	-29
					2/28	916	-25
400 mL	TO-14A	(Air)	24 hour		~~2/28~~	~~1227~~	~~-13~~
1 L	TO-15	SGss	(8 hour)		2/28	1255	-12
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1603	-3
SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS1: A022818		1541	256	INITIAL	2/27	shut in test	-28
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	801	-28
					2/28	916	-24
400 mL	TO-14A	Air	24 hour		~~2/28~~	~~1227~~	~~-18~~
1 L	TO-15	(SGss)	(8 hour)		2/28	1255	-10
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1601	-2
SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA2: A022818		325	317	INITIAL	2/27	shut in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	757	-30
					2/28	915	-24
400 mL	TO-14A	(Air)	24 hour		~~2/28~~	~~1230~~	~~-12~~
1 L	TO-15	SGss	(8 hour)		2/28	1254	-15
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1557	-4
SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS2: A022818		3419	278	INITIAL	2/27	shut in test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	756	-30
					2/28	914	-26
400 mL	TO-14A	Air	24 hour		~~2/28~~	~~1230~~	~~-11~~
1 L	TO-15	(SGss)	(8 hour)		2/28	1254	-12
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1556	-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 WAKS 2510C

SAMPLING ADDRESS: 720 E 25th Avenue

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)
IA3:A022818	2346	373	INITIAL	2/27	shutin test	-28
TYPE (circle one) / METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	752	-28
				2/28	913	-24
400 mL / TO-14A	(Air)	24 hour		2/28	1251	-12
1 L / TO-15	SGss	(8 hour)				
(6 L) / (TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1553	-3

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
SS3:A022818	852	332	INITIAL	2/27	shutin test	-30
TYPE (circle one) / METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	753	-30
				2/28	913	-29
400 mL / TO-14A	Air	24 hour		2/28	1252	-27
1 L / TO-15	(SGss)	(8 hour)				
(6 L) / (TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1552	-27

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA12:A022818	3317	1036	INITIAL	2/27	shutin test	-29
TYPE (circle one) / METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	805	-29
				2/28	918	-26
400 mL / TO-14A	(Air)	24 hour		2/28	1300	-17
1 L / TO-15	SGss	(8 hour)				
(6 L) / (TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1606	-10

SAMPLE ID	CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA13:A022818	1517	226	INITIAL	2/27	shutin test	-30
TYPE (circle one) / METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	809	-30
				2/28	1302	-13
400 mL / TO-14A	(Air)	24 hour				
1 L / TO-15	SGss	(8 hour)				
(6 L) / (TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1608	-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

SAMPLING ADDRESS: 720 E 25th Avenue

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: C Sloffer / ELAM

SAMPLING INFORMATION

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA16 : A022818		3342	35	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	start	2/28	812	-30
					2/28	921	-27
400 mL	TO-14A	(Air)	24 hour		2/28	1258	-13
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1613	-3

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
Dup720 : A022818		1755	1017	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	812	-30
					2/28	921	-28
400 mL	TO-14A	(Air)	24 hour		2/28	1258	-14
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1614	-2

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
IA17 : A022818		3346	363	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	815	-30
					2/28	919	-27
400 mL	TO-14A	(Air)	24 hour		2/28	1257	-13
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1616	-2

SAMPLE ID		CANISTER #	FLOW CTRL #	READING (1)	DATE	TIME	CAN P ("Hg)
OA720 : A022818		2762	1049	INITIAL	2/27	shutin test	-30
TYPE (circle one)	METHOD (circle one)	SOURCE (circle one)	VALVE (circle one)	Start	2/28	824	-30
					2/28	924	-27
400 mL	TO-14A	(Air)	24 hour		2/28	1304	-13
1 L	TO-15	SGss	(8 hour)				
(6 L)	(TO-15 SIM)	SGe	200 ml/min	FINAL	2/28	1625	-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)

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: 720 WAKS2510c
Pace Project No.: 10422365

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

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without the written consent of Pace Analytical Services, LLC.

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

CERTIFICATIONS

Project: 720 WAKS2510c
Pace Project No.: 10422365

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

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

SAMPLE SUMMARY

Project: 720 WAKS2510c
Pace Project No.: 10422365

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10422365001	**IA1:A022818**	Air	02/28/18 16:03	03/02/18 10:00
10422365002	**IA1:A022818 Cert#1506**	Air	02/28/18 16:03	03/02/18 10:00
10422365003	**SS1:A022818**	Air	02/28/18 16:01	03/02/18 10:00
10422365004	**SS1:A022818 Cert#1541**	Air	02/28/18 16:01	03/02/18 10:00
10422365005	**IA2:A022818**	Air	02/28/18 15:57	03/02/18 10:00
10422365006	**IA2:A022818 Cert#0325**	Air	02/28/18 15:57	03/02/18 10:00
10422365007	**SS2:A022818**	Air	02/28/18 15:56	03/02/18 10:00
10422365008	**SS2:A022818 Cert#3419**	Air	02/28/18 15:56	03/02/18 10:00
10422365009	**IA3:A022818**	Air	02/28/18 15:53	03/02/18 10:00
10422365010	**IA3:A022818 Cert#2346**	Air	02/28/18 15:53	03/02/18 10:00
10422365011	**IA12:A022818**	Air	02/28/18 16:06	03/02/18 10:00
10422365012	**IA12:A022818 Cert#3317**	Air	02/28/18 16:06	03/02/18 10:00
10422365013	**IA13:A022818**	Air	02/28/18 16:08	03/02/18 10:00
10422365014	**IA13:A022818 Cert#1517**	Air	02/28/18 16:08	03/02/18 10:00
10422365015	**IA16:A022818**	Air	02/28/18 16:13	03/02/18 10:00
10422365016	**IA16:A022818 Cert#3342**	Air	02/28/18 16:13	03/02/18 10:00
10422365017	**IA17:A022818**	Air	02/28/18 16:16	03/02/18 10:00
10422365018	**IA17:A022818 Cert#3346**	Air	02/28/18 16:16	03/02/18 10:00
10422365019	**OA720:A022818**	Air	02/28/18 16:25	03/02/18 10:00
10422365020	**OA720:A022818 Cert#2762**	Air	02/28/18 16:25	03/02/18 10:00
10422365021	**Dup720:A022818**	Air	02/28/18 00:00	03/02/18 10:00
10422365022	**Dup720:A022818 Cert#1755**	Air	02/28/18 00:00	03/02/18 10:00

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SAMPLE ANALYTE COUNT

Project: 720 WAKS2510c
Pace Project No.: 10422365

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10422365001	IA1:A022818	TO-15	NCK	61	PASI-M
10422365002	IA1:A022818 Cert#1506	TO-15	NCK	61	PASI-M
10422365003	SS1:A022818	TO-15	NCK	61	PASI-M
10422365004	SS1:A022818 Cert#1541	TO-15	NCK	61	PASI-M
10422365005	IA2:A022818	TO-15	NCK	61	PASI-M
10422365006	IA2:A022818 Cert#0325	TO-15	NCK	61	PASI-M
10422365007	SS2:A022818	TO-15	NCK	61	PASI-M
10422365008	SS2:A022818 Cert#3419	TO-15	NCK	61	PASI-M
10422365009	IA3:A022818	TO-15	NCK	61	PASI-M
10422365010	IA3:A022818 Cert#2346	TO-15	NCK	61	PASI-M
10422365011	IA12:A022818	TO-15	NCK	61	PASI-M
10422365012	IA12:A022818 Cert#3317	TO-15	NCK	61	PASI-M
10422365013	IA13:A022818	TO-15	NCK	61	PASI-M
10422365014	IA13:A022818 Cert#1517	TO-15	NCK	61	PASI-M
10422365015	IA16:A022818	TO-15	NCK	61	PASI-M
10422365016	IA16:A022818 Cert#3342	TO-15	NCK	61	PASI-M
10422365017	IA17:A022818	TO-15	NCK	61	PASI-M
10422365018	IA17:A022818 Cert#3346	TO-15	NCK	61	PASI-M
10422365019	OA720:A022818	TO-15	NCK	61	PASI-M
10422365020	OA720:A022818 Cert#2762	TO-15	NCK	61	PASI-M
10422365021	Dup720:A022818	TO-15	NCK	61	PASI-M
10422365022	Dup720:A022818 Cert#1755	TO-15	NCK	61	PASI-M

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA1:A022818 **Lab ID: 10422365001** Collected: 02/28/18 16:03 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	**21.4**	ug/m3	3.5	2.2	1.44		03/13/18 16:57	67-64-1	
Benzene	**1.1**	ug/m3	0.047	0.023	1.44		03/13/18 16:57	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/13/18 16:57	100-44-7	
Bromodichloromethane	ND	ug/m3	0.098	0.040	1.44		03/15/18 18:48	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/13/18 16:57	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/13/18 16:57	74-83-9	
1,3-Butadiene	ND	ug/m3	0.032	0.031	1.44		03/15/18 18:48	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.3	0.29	1.44		03/13/18 16:57	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/13/18 16:57	75-15-0	
Carbon tetrachloride	**0.52**	ug/m3	0.092	0.047	1.44		03/15/18 18:48	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/13/18 16:57	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/13/18 16:57	75-00-3	
Chloroform	**0.44**	ug/m3	0.071	0.030	1.44		03/15/18 18:48	67-66-3	
Chloromethane	ND	ug/m3	0.60	0.19	1.44		03/13/18 16:57	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.33	1.44		03/13/18 16:57	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/13/18 16:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.054	1.44		03/15/18 18:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/13/18 16:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/13/18 16:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/13/18 16:57	106-46-7	
Dichlorodifluoromethane	**14.8**	ug/m3	1.5	0.60	1.44		03/13/18 16:57	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.059	0.021	1.44		03/15/18 18:48	75-34-3	
1,2-Dichloroethane	**0.089**	ug/m3	0.059	0.043	1.44		03/15/18 18:48	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.058	0.029	1.44		03/15/18 18:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.058	0.020	1.44		03/15/18 18:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.058	0.030	1.44		03/15/18 18:48	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.068	0.018	1.44		03/15/18 18:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.066	0.039	1.44		03/15/18 18:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.066	0.040	1.44		03/15/18 18:48	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/13/18 16:57	76-14-2	
Ethanol	**331**	ug/m3	1.4	0.67	1.44		03/13/18 16:57	64-17-5	
Ethyl acetate	**9.4**	ug/m3	1.1	0.28	1.44		03/13/18 16:57	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/13/18 16:57	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/13/18 16:57	622-96-8	
n-Heptane	**1.3**	ug/m3	1.2	0.30	1.44		03/13/18 16:57	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/13/18 16:57	87-68-3	
n-Hexane	**1.4**	ug/m3	1.0	0.48	1.44		03/13/18 16:57	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/13/18 16:57	591-78-6	
Methylene Chloride	ND	ug/m3	5.1	2.2	1.44		03/13/18 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/13/18 16:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/13/18 16:57	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/13/18 16:57	91-20-3	
2-Propanol	ND	ug/m3	3.6	1.8	1.44		03/13/18 16:57	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/13/18 16:57	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/13/18 16:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.055	1.44		03/15/18 18:48	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA1:A022818 **Lab ID: 10422365001** Collected: 02/28/18 16:03 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	**0.31**	ug/m3	0.099	0.044	1.44		03/15/18 18:48	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	0.39	1.44		03/13/18 16:57	109-99-9	
Toluene	**4.3**	ug/m3	1.1	0.23	1.44		03/13/18 16:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/13/18 16:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.080	0.036	1.44		03/15/18 18:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.080	0.038	1.44		03/15/18 18:48	79-00-5	
Trichloroethene	ND	ug/m3	0.079	0.044	1.44		03/15/18 18:48	79-01-6	
Trichlorofluoromethane	**10.2**	ug/m3	1.6	0.60	1.44		03/13/18 16:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/13/18 16:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/13/18 16:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/13/18 16:57	108-67-8	
Vinyl acetate	**2.4**	ug/m3	1.0	0.24	1.44		03/13/18 16:57	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/15/18 18:48	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/13/18 16:57	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/13/18 16:57	95-47-6	

Sample: IA1:A022818 Cert#1506 **Lab ID: 10422365002** Collected: 02/28/18 16:03 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 21:45	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 21:45	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 21:45	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 21:45	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 21:45	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 21:45	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 21:45	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 21:45	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 21:45	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 21:45	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 21:45	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 21:45	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 21:45	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 21:45	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 21:45	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 21:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 21:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 21:45	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 21:45	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA1:A022818 Cert#1506 **Lab ID: 10422365002** Collected: 02/28/18 16:03 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 21:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 21:45	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 21:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 21:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 21:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 21:45	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 21:45	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 21:45	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 21:45	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 21:45	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 21:45	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 21:45	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 21:45	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 21:45	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 21:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 21:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 21:45	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 21:45	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 21:45	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 21:45	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 21:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 21:45	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 21:45	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 21:45	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 21:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 21:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 21:45	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 21:45	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 21:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 21:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 21:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 21:45	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 21:45	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 21:45	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 21:45	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 21:45	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS1:A022818 **Lab ID: 10422365003** Collected: 02/28/18 16:01 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	**52.8**	ug/m3	3.5	2.2	1.44		03/13/18 21:34	67-64-1	
Benzene	**0.58**	ug/m3	0.047	0.023	1.44		03/16/18 00:02	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/13/18 21:34	100-44-7	
Bromodichloromethane	**0.13**	ug/m3	0.098	0.040	1.44		03/16/18 00:02	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/13/18 21:34	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/13/18 21:34	74-83-9	
1,3-Butadiene	**0.12**	ug/m3	0.032	0.031	1.44		03/16/18 00:02	106-99-0	
2-Butanone (MEK)	**19.4**	ug/m3	4.3	0.29	1.44		03/13/18 21:34	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/13/18 21:34	75-15-0	
Carbon tetrachloride	**0.77**	ug/m3	0.092	0.047	1.44		03/16/18 00:02	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/13/18 21:34	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/13/18 21:34	75-00-3	
Chloroform	**0.26**	ug/m3	0.071	0.030	1.44		03/16/18 00:02	67-66-3	
Chloromethane	ND	ug/m3	0.60	0.19	1.44		03/13/18 21:34	74-87-3	
Cyclohexane	**3.5**	ug/m3	1.0	0.33	1.44		03/13/18 21:34	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/13/18 21:34	124-48-1	
1,2-Dibromoethane (EDB)	**0.14**	ug/m3	0.11	0.054	1.44		03/16/18 00:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/13/18 21:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/13/18 21:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/13/18 21:34	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.5	0.60	1.44		03/13/18 21:34	75-71-8	
1,1-Dichloroethane	**0.10**	ug/m3	0.059	0.021	1.44		03/16/18 00:02	75-34-3	
1,2-Dichloroethane	**0.24**	ug/m3	0.059	0.043	1.44		03/16/18 00:02	107-06-2	
1,1-Dichloroethene	**0.084**	ug/m3	0.058	0.029	1.44		03/16/18 00:02	75-35-4	
cis-1,2-Dichloroethene	**0.060**	ug/m3	0.058	0.020	1.44		03/16/18 00:02	156-59-2	
trans-1,2-Dichloroethene	**0.21**	ug/m3	0.058	0.030	1.44		03/16/18 00:02	156-60-5	
1,2-Dichloropropane	**0.82**	ug/m3	0.068	0.018	1.44		03/16/18 00:02	78-87-5	
cis-1,3-Dichloropropene	**0.085**	ug/m3	0.066	0.039	1.44		03/16/18 00:02	10061-01-5	
trans-1,3-Dichloropropene	**0.10**	ug/m3	0.066	0.040	1.44		03/16/18 00:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/13/18 21:34	76-14-2	
Ethanol	**33.0**	ug/m3	1.4	0.67	1.44		03/13/18 21:34	64-17-5	
Ethyl acetate	**24.6**	ug/m3	1.1	0.28	1.44		03/13/18 21:34	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/13/18 21:34	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/13/18 21:34	622-96-8	
n-Heptane	**1.6**	ug/m3	1.2	0.30	1.44		03/13/18 21:34	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/13/18 21:34	87-68-3	
n-Hexane	**3.9**	ug/m3	1.0	0.48	1.44		03/13/18 21:34	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/13/18 21:34	591-78-6	
Methylene Chloride	**5.8**	ug/m3	5.1	2.2	1.44		03/13/18 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/13/18 21:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/13/18 21:34	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/13/18 21:34	91-20-3	
2-Propanol	**16.7**	ug/m3	3.6	1.8	1.44		03/13/18 21:34	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/13/18 21:34	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/13/18 21:34	100-42-5	
1,1,2,2-Tetrachloroethane	**0.26**	ug/m3	0.10	0.055	1.44		03/16/18 00:02	79-34-5	SS

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(612)607-1700

ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS1:A022818 **Lab ID: 10422365003** Collected: 02/28/18 16:01 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	**9.8**	ug/m3	0.099	0.044	1.44		03/13/18 21:34	127-18-4	
Tetrahydrofuran	**8.9**	ug/m3	0.86	0.39	1.44		03/13/18 21:34	109-99-9	
Toluene	**32.6**	ug/m3	1.1	0.23	1.44		03/13/18 21:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/13/18 21:34	120-82-1	
1,1,1-Trichloroethane	**0.11**	ug/m3	0.080	0.036	1.44		03/16/18 00:02	71-55-6	
1,1,2-Trichloroethane	**0.19**	ug/m3	0.080	0.038	1.44		03/16/18 00:02	79-00-5	
Trichloroethene	**17.5**	ug/m3	0.079	0.044	1.44		03/13/18 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.60	1.44		03/13/18 21:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/13/18 21:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/13/18 21:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/13/18 21:34	108-67-8	
Vinyl acetate	**2.3**	ug/m3	1.0	0.24	1.44		03/13/18 21:34	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/16/18 00:02	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/13/18 21:34	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/13/18 21:34	95-47-6	

Sample: SS1:A022818 Cert#1541 **Lab ID: 10422365004** Collected: 02/28/18 16:01 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 00:35	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/22/18 00:35	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/22/18 00:35	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/22/18 00:35	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/22/18 00:35	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/22/18 00:35	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/22/18 00:35	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/22/18 00:35	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/22/18 00:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/22/18 00:35	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/22/18 00:35	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/22/18 00:35	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/22/18 00:35	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/22/18 00:35	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/22/18 00:35	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/22/18 00:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/22/18 00:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/22/18 00:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/22/18 00:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/22/18 00:35	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/22/18 00:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/22/18 00:35	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/22/18 00:35	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS1:A022818 Cert#1541 **Lab ID: 10422365004** Collected: 02/28/18 16:01 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 00:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/22/18 00:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/22/18 00:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/22/18 00:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/22/18 00:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/22/18 00:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/22/18 00:35	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/22/18 00:35	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/22/18 00:35	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/22/18 00:35	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/22/18 00:35	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/22/18 00:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/22/18 00:35	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/22/18 00:35	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/22/18 00:35	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/22/18 00:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/22/18 00:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/22/18 00:35	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/22/18 00:35	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/22/18 00:35	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/22/18 00:35	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/22/18 00:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/22/18 00:35	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/22/18 00:35	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/22/18 00:35	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/22/18 00:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/22/18 00:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/22/18 00:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/22/18 00:35	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/22/18 00:35	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/22/18 00:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/22/18 00:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/22/18 00:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/22/18 00:35	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/22/18 00:35	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/22/18 00:35	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/22/18 00:35	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/22/18 00:35	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA2:A022818 **Lab ID: 10422365005** Collected: 02/28/18 15:57 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	**17.5**	ug/m3	3.7	2.3	1.55		03/13/18 17:31	67-64-1	
Benzene	**0.77**	ug/m3	0.050	0.025	1.55		03/15/18 19:23	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/13/18 17:31	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/15/18 19:23	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/13/18 17:31	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/13/18 17:31	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/15/18 19:23	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/13/18 17:31	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/13/18 17:31	75-15-0	
Carbon tetrachloride	**0.61**	ug/m3	0.099	0.051	1.55		03/15/18 19:23	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/13/18 17:31	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/13/18 17:31	75-00-3	
Chloroform	**0.22**	ug/m3	0.077	0.033	1.55		03/15/18 19:23	67-66-3	
Chloromethane	ND	ug/m3	0.65	0.21	1.55		03/13/18 17:31	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/13/18 17:31	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/13/18 17:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/15/18 19:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/13/18 17:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/13/18 17:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/13/18 17:31	106-46-7	
Dichlorodifluoromethane	**3.9**	ug/m3	1.6	0.64	1.55		03/13/18 17:31	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/15/18 19:23	75-34-3	
1,2-Dichloroethane	**0.094**	ug/m3	0.064	0.047	1.55		03/15/18 19:23	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/15/18 19:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/15/18 19:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/15/18 19:23	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.019	1.55		03/15/18 19:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/15/18 19:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/15/18 19:23	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/13/18 17:31	76-14-2	
Ethanol	**770**	ug/m3	1.5	0.72	1.55		03/13/18 17:31	64-17-5	E
Ethyl acetate	**2.8**	ug/m3	1.1	0.30	1.55		03/13/18 17:31	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	0.27	1.55		03/13/18 17:31	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/13/18 17:31	622-96-8	
n-Heptane	**1.4**	ug/m3	1.3	0.33	1.55		03/13/18 17:31	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/13/18 17:31	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.52	1.55		03/13/18 17:31	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/13/18 17:31	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/13/18 17:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/13/18 17:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/13/18 17:31	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/13/18 17:31	91-20-3	
2-Propanol	ND	ug/m3	3.9	1.9	1.55		03/13/18 17:31	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/13/18 17:31	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/13/18 17:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/15/18 19:23	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA2:A022818 **Lab ID: 10422365005** Collected: 02/28/18 15:57 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	**0.29**	ug/m3	0.11	0.047	1.55		03/15/18 19:23	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/13/18 17:31	109-99-9	
Toluene	**1.8**	ug/m3	1.2	0.25	1.55		03/13/18 17:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/13/18 17:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/15/18 19:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/15/18 19:23	79-00-5	
Trichloroethene	**0.20**	ug/m3	0.085	0.048	1.55		03/15/18 19:23	79-01-6	
Trichlorofluoromethane	**2.8**	ug/m3	1.8	0.65	1.55		03/13/18 17:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/13/18 17:31	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/13/18 17:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/13/18 17:31	108-67-8	
Vinyl acetate	**1.2**	ug/m3	1.1	0.26	1.55		03/13/18 17:31	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/15/18 19:23	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	0.54	1.55		03/13/18 17:31	179601-23-1	
o-Xylene	ND	ug/m3	1.4	0.58	1.55		03/13/18 17:31	95-47-6	

Sample: IA2:A022818 Cert#0325 **Lab ID: 10422365006** Collected: 02/28/18 15:57 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 18:53	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 18:53	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 18:53	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 18:53	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 18:53	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 18:53	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 18:53	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 18:53	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 18:53	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 18:53	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 18:53	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 18:53	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 18:53	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 18:53	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 18:53	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 18:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 18:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 18:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 18:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 18:53	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 18:53	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 18:53	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 18:53	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA2:A022818 Cert#0325 **Lab ID: 10422365006** Collected: 02/28/18 15:57 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 18:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 18:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 18:53	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 18:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 18:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 18:53	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 18:53	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 18:53	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 18:53	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 18:53	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 18:53	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 18:53	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 18:53	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 18:53	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 18:53	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 18:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 18:53	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 18:53	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 18:53	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 18:53	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 18:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 18:53	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 18:53	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 18:53	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 18:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 18:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 18:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 18:53	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 18:53	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 18:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 18:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 18:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 18:53	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 18:53	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 18:53	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 18:53	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 18:53	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS2:A022818 **Lab ID: 10422365007** Collected: 02/28/18 15:56 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	**8.9**	ug/m3	3.5	2.2	1.44		03/13/18 22:09	67-64-1	
Benzene	**0.24**	ug/m3	0.047	0.023	1.44		03/13/18 22:09	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/13/18 22:09	100-44-7	
Bromodichloromethane	ND	ug/m3	0.098	0.040	1.44		03/13/18 22:09	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/13/18 22:09	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/13/18 22:09	74-83-9	
1,3-Butadiene	ND	ug/m3	0.032	0.031	1.44		03/13/18 22:09	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.3	0.29	1.44		03/13/18 22:09	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/13/18 22:09	75-15-0	
Carbon tetrachloride	**205**	ug/m3	0.092	0.047	1.44		03/13/18 22:09	56-23-5	SS
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/13/18 22:09	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/13/18 22:09	75-00-3	
Chloroform	**2.0**	ug/m3	0.071	0.030	1.44		03/13/18 22:09	67-66-3	
Chloromethane	ND	ug/m3	0.60	0.19	1.44		03/13/18 22:09	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.33	1.44		03/13/18 22:09	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/13/18 22:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.054	1.44		03/13/18 22:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/13/18 22:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/13/18 22:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/13/18 22:09	106-46-7	
Dichlorodifluoromethane	**5.7**	ug/m3	1.5	0.60	1.44		03/13/18 22:09	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.059	0.021	1.44		03/13/18 22:09	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.059	0.043	1.44		03/13/18 22:09	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.058	0.029	1.44		03/13/18 22:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.058	0.020	1.44		03/13/18 22:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.058	0.030	1.44		03/13/18 22:09	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.068	0.018	1.44		03/13/18 22:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.066	0.039	1.44		03/13/18 22:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.066	0.040	1.44		03/13/18 22:09	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/13/18 22:09	76-14-2	
Ethanol	**33.6**	ug/m3	1.4	0.67	1.44		03/13/18 22:09	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.28	1.44		03/13/18 22:09	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/13/18 22:09	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/13/18 22:09	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.30	1.44		03/13/18 22:09	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/13/18 22:09	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.48	1.44		03/13/18 22:09	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/13/18 22:09	591-78-6	
Methylene Chloride	ND	ug/m3	5.1	2.2	1.44		03/13/18 22:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/13/18 22:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/13/18 22:09	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/13/18 22:09	91-20-3	
2-Propanol	ND	ug/m3	3.6	1.8	1.44		03/13/18 22:09	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/13/18 22:09	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/13/18 22:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.055	1.44		03/13/18 22:09	79-34-5	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS2:A022818 **Lab ID: 10422365007** Collected: 02/28/18 15:56 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	**442**	ug/m3	0.99	0.44	14.4		03/14/18 11:59	127-18-4	
Tetrahydrofuran	**3.6**	ug/m3	0.86	0.39	1.44		03/13/18 22:09	109-99-9	
Toluene	**2.0**	ug/m3	1.1	0.23	1.44		03/13/18 22:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/13/18 22:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.080	0.036	1.44		03/13/18 22:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.080	0.038	1.44		03/13/18 22:09	79-00-5	
Trichloroethene	**0.26**	ug/m3	0.079	0.044	1.44		03/13/18 22:09	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.60	1.44		03/13/18 22:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/13/18 22:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/13/18 22:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/13/18 22:09	108-67-8	
Vinyl acetate	**2.6**	ug/m3	1.0	0.24	1.44		03/13/18 22:09	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/13/18 22:09	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/13/18 22:09	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/13/18 22:09	95-47-6	

Sample: SS2:A022818 Cert#3419 **Lab ID: 10422365008** Collected: 02/28/18 15:56 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 18:26	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 18:26	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 18:26	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 18:26	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 18:26	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 18:26	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 18:26	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 18:26	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 18:26	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 18:26	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 18:26	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 18:26	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 18:26	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 18:26	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 18:26	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 18:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 18:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 18:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 18:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 18:26	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 18:26	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 18:26	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 18:26	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: SS2:A022818 Cert#3419 **Lab ID: 10422365008** Collected: 02/28/18 15:56 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 18:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 18:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 18:26	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 18:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 18:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 18:26	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 18:26	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 18:26	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 18:26	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 18:26	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 18:26	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 18:26	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 18:26	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 18:26	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 18:26	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 18:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 18:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 18:26	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 18:26	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 18:26	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 18:26	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 18:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 18:26	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 18:26	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 18:26	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 18:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 18:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 18:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 18:26	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 18:26	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 18:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 18:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 18:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 18:26	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 18:26	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 18:26	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 18:26	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 18:26	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA3:A022818 **Lab ID: 10422365009** Collected: 02/28/18 15:53 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	**11.5**	ug/m3	3.7	2.3	1.55		03/13/18 18:06	67-64-1	
Benzene	**0.76**	ug/m3	0.050	0.025	1.55		03/15/18 19:58	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.37	1.55		03/13/18 18:06	100-44-7	
Bromodichloromethane	ND	ug/m3	0.11	0.044	1.55		03/15/18 19:58	75-27-4	
Bromoform	ND	ug/m3	3.3	1.1	1.55		03/13/18 18:06	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.32	1.55		03/13/18 18:06	74-83-9	
1,3-Butadiene	ND	ug/m3	0.035	0.033	1.55		03/15/18 19:58	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.6	0.31	1.55		03/13/18 18:06	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	0.28	1.55		03/13/18 18:06	75-15-0	
Carbon tetrachloride	**0.45**	ug/m3	0.099	0.051	1.55		03/15/18 19:58	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	0.28	1.55		03/13/18 18:06	108-90-7	
Chloroethane	ND	ug/m3	0.83	0.32	1.55		03/13/18 18:06	75-00-3	
Chloroform	**0.15**	ug/m3	0.077	0.033	1.55		03/15/18 19:58	67-66-3	
Chloromethane	ND	ug/m3	0.65	0.21	1.55		03/13/18 18:06	74-87-3	
Cyclohexane	ND	ug/m3	1.1	0.35	1.55		03/13/18 18:06	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	0.047	1.55		03/13/18 18:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.058	1.55		03/15/18 19:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	0.51	1.55		03/13/18 18:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	0.72	1.55		03/13/18 18:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	0.34	1.55		03/13/18 18:06	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.6	0.64	1.55		03/13/18 18:06	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.064	0.023	1.55		03/15/18 19:58	75-34-3	
1,2-Dichloroethane	**0.092**	ug/m3	0.064	0.047	1.55		03/15/18 19:58	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.062	0.031	1.55		03/15/18 19:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.062	0.022	1.55		03/15/18 19:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.062	0.033	1.55		03/15/18 19:58	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.073	0.019	1.55		03/15/18 19:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.071	0.042	1.55		03/15/18 19:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.071	0.044	1.55		03/15/18 19:58	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	0.69	1.55		03/13/18 18:06	76-14-2	
Ethanol	**37.6**	ug/m3	1.5	0.72	1.55		03/13/18 18:06	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.30	1.55		03/13/18 18:06	141-78-6	
Ethylbenzene	**7.5**	ug/m3	1.4	0.27	1.55		03/13/18 18:06	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.33	1.55		03/13/18 18:06	622-96-8	
n-Heptane	ND	ug/m3	1.3	0.33	1.55		03/13/18 18:06	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.3	1.55		03/13/18 18:06	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.52	1.55		03/13/18 18:06	110-54-3	
2-Hexanone	ND	ug/m3	6.4	0.95	1.55		03/13/18 18:06	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	2.4	1.55		03/13/18 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	0.55	1.55		03/13/18 18:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.0	1.55		03/13/18 18:06	1634-04-4	
Naphthalene	ND	ug/m3	4.1	0.93	1.55		03/13/18 18:06	91-20-3	
2-Propanol	ND	ug/m3	3.9	1.9	1.55		03/13/18 18:06	67-63-0	
Propylene	ND	ug/m3	0.54	0.24	1.55		03/13/18 18:06	115-07-1	
Styrene	ND	ug/m3	1.3	0.26	1.55		03/13/18 18:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.11	0.060	1.55		03/15/18 19:58	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA3:A022818 **Lab ID: 10422365009** Collected: 02/28/18 15:53 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	**0.22**	ug/m3	0.11	0.047	1.55		03/15/18 19:58	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.93	0.42	1.55		03/13/18 18:06	109-99-9	
Toluene	**2.3**	ug/m3	1.2	0.25	1.55		03/13/18 18:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.5	1.55		03/13/18 18:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.086	0.038	1.55		03/15/18 19:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.086	0.041	1.55		03/15/18 19:58	79-00-5	
Trichloroethene	**0.11**	ug/m3	0.085	0.048	1.55		03/15/18 19:58	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	0.65	1.55		03/13/18 18:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.57	1.55		03/13/18 18:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.27	1.55		03/13/18 18:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.64	1.55		03/13/18 18:06	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.26	1.55		03/13/18 18:06	108-05-4	
Vinyl chloride	ND	ug/m3	0.040	0.040	1.55		03/15/18 19:58	75-01-4	
m&p-Xylene	**54.8**	ug/m3	2.7	0.54	1.55		03/13/18 18:06	179601-23-1	
o-Xylene	**20.0**	ug/m3	1.4	0.58	1.55		03/13/18 18:06	95-47-6	

Sample: IA3:A022818 Cert#2346 **Lab ID: 10422365010** Collected: 02/28/18 15:53 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 21:51	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 21:51	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 21:51	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 21:51	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 21:51	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 21:51	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 21:51	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 21:51	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 21:51	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 21:51	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 21:51	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 21:51	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 21:51	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 21:51	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 21:51	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 21:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 21:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 21:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 21:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 21:51	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 21:51	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 21:51	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 21:51	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA3:A022818 Cert#2346 **Lab ID: 10422365010** Collected: 02/28/18 15:53 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 21:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 21:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 21:51	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 21:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 21:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 21:51	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 21:51	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 21:51	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 21:51	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 21:51	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 21:51	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 21:51	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 21:51	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 21:51	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 21:51	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 21:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 21:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 21:51	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 21:51	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 21:51	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 21:51	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 21:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 21:51	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 21:51	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 21:51	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 21:51	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 21:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 21:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 21:51	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 21:51	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 21:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 21:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 21:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 21:51	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 21:51	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 21:51	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 21:51	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 21:51	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA12:A022818 **Lab ID: 10422365011** Collected: 02/28/18 16:06 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	**13.9**	ug/m3	4.4	2.7	1.83		03/13/18 18:40	67-64-1	
Benzene	**0.73**	ug/m3	0.059	0.029	1.83		03/15/18 20:32	71-43-2	
Benzyl chloride	ND	ug/m3	1.9	0.43	1.83		03/13/18 18:40	100-44-7	
Bromodichloromethane	ND	ug/m3	0.12	0.051	1.83		03/15/18 20:32	75-27-4	
Bromoform	ND	ug/m3	3.8	1.3	1.83		03/13/18 18:40	75-25-2	SS
Bromomethane	ND	ug/m3	1.4	0.38	1.83		03/13/18 18:40	74-83-9	
1,3-Butadiene	ND	ug/m3	0.041	0.039	1.83		03/15/18 20:32	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	0.37	1.83		03/13/18 18:40	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	0.33	1.83		03/13/18 18:40	75-15-0	
Carbon tetrachloride	**0.62**	ug/m3	0.12	0.060	1.83		03/15/18 20:32	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	0.33	1.83		03/13/18 18:40	108-90-7	
Chloroethane	ND	ug/m3	0.98	0.37	1.83		03/13/18 18:40	75-00-3	
Chloroform	**0.18**	ug/m3	0.091	0.039	1.83		03/15/18 20:32	67-66-3	
Chloromethane	ND	ug/m3	0.77	0.25	1.83		03/13/18 18:40	74-87-3	
Cyclohexane	ND	ug/m3	1.3	0.42	1.83		03/13/18 18:40	110-82-7	
Dibromochloromethane	ND	ug/m3	3.2	0.056	1.83		03/13/18 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.14	0.069	1.83		03/15/18 20:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	0.60	1.83		03/13/18 18:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	0.85	1.83		03/13/18 18:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	0.40	1.83		03/13/18 18:40	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.8	0.76	1.83		03/13/18 18:40	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.075	0.027	1.83		03/15/18 20:32	75-34-3	
1,2-Dichloroethane	**0.10**	ug/m3	0.075	0.055	1.83		03/15/18 20:32	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.074	0.037	1.83		03/15/18 20:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.074	0.026	1.83		03/15/18 20:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.074	0.038	1.83		03/15/18 20:32	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.086	0.023	1.83		03/15/18 20:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.084	0.050	1.83		03/15/18 20:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.084	0.051	1.83		03/15/18 20:32	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	0.81	1.83		03/13/18 18:40	76-14-2	
Ethanol	**39.8**	ug/m3	1.8	0.85	1.83		03/13/18 18:40	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	0.36	1.83		03/13/18 18:40	141-78-6	
Ethylbenzene	ND	ug/m3	1.6	0.31	1.83		03/13/18 18:40	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	0.39	1.83		03/13/18 18:40	622-96-8	
n-Heptane	ND	ug/m3	1.5	0.38	1.83		03/13/18 18:40	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.6	1.83		03/13/18 18:40	87-68-3	
n-Hexane	ND	ug/m3	1.3	0.61	1.83		03/13/18 18:40	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.1	1.83		03/13/18 18:40	591-78-6	
Methylene Chloride	ND	ug/m3	6.5	2.8	1.83		03/13/18 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	0.65	1.83		03/13/18 18:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.2	1.83		03/13/18 18:40	1634-04-4	
Naphthalene	ND	ug/m3	4.9	1.1	1.83		03/13/18 18:40	91-20-3	
2-Propanol	ND	ug/m3	4.6	2.3	1.83		03/13/18 18:40	67-63-0	
Propylene	ND	ug/m3	0.64	0.29	1.83		03/13/18 18:40	115-07-1	
Styrene	ND	ug/m3	1.6	0.31	1.83		03/13/18 18:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.13	0.070	1.83		03/15/18 20:32	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA12:A022818 **Lab ID: 10422365011** Collected: 02/28/18 16:06 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	**0.23**	ug/m3	0.13	0.055	1.83		03/15/18 20:32	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.1	0.50	1.83		03/13/18 18:40	109-99-9	
Toluene	**2.4**	ug/m3	1.4	0.29	1.83		03/13/18 18:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.8	1.83		03/13/18 18:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.10	0.045	1.83		03/15/18 20:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.10	0.049	1.83		03/15/18 20:32	79-00-5	
Trichloroethene	**0.23**	ug/m3	0.10	0.056	1.83		03/15/18 20:32	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	0.76	1.83		03/13/18 18:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	0.68	1.83		03/13/18 18:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	0.31	1.83		03/13/18 18:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	0.75	1.83		03/13/18 18:40	108-67-8	
Vinyl acetate	**1.8**	ug/m3	1.3	0.30	1.83		03/13/18 18:40	108-05-4	
Vinyl chloride	ND	ug/m3	0.048	0.047	1.83		03/15/18 20:32	75-01-4	
m&p-Xylene	ND	ug/m3	3.2	0.64	1.83		03/13/18 18:40	179601-23-1	
o-Xylene	ND	ug/m3	1.6	0.68	1.83		03/13/18 18:40	95-47-6	

Sample: IA12:A022818 Cert#3317 **Lab ID: 10422365012** Collected: 02/28/18 16:06 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		02/20/18 22:25	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 22:25	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 22:25	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 22:25	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 22:25	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 22:25	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 22:25	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 22:25	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 22:25	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 22:25	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 22:25	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 22:25	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 22:25	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 22:25	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 22:25	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 22:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 22:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 22:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 22:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 22:25	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 22:25	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 22:25	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 22:25	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA12:A022818 Cert#3317 **Lab ID: 10422365012** Collected: 02/28/18 16:06 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		02/20/18 22:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 22:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 22:25	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 22:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 22:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 22:25	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 22:25	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 22:25	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 22:25	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 22:25	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 22:25	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 22:25	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 22:25	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 22:25	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 22:25	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 22:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 22:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 22:25	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 22:25	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 22:25	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 22:25	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 22:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 22:25	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 22:25	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 22:25	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 22:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 22:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 22:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 22:25	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 22:25	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 22:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 22:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 22:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 22:25	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 22:25	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 22:25	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 22:25	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 22:25	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA13:A022818 **Lab ID: 10422365013** Collected: 02/28/18 16:08 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	**28.4**	ug/m3	3.5	2.2	1.44		03/13/18 19:15	67-64-1	
Benzene	**0.75**	ug/m3	0.047	0.023	1.44		03/15/18 22:17	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/13/18 19:15	100-44-7	
Bromodichloromethane	**0.13**	ug/m3	0.098	0.040	1.44		03/15/18 22:17	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/13/18 19:15	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/13/18 19:15	74-83-9	
1,3-Butadiene	ND	ug/m3	0.032	0.031	1.44		03/15/18 22:17	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.3	0.29	1.44		03/13/18 19:15	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/13/18 19:15	75-15-0	
Carbon tetrachloride	**0.58**	ug/m3	0.092	0.047	1.44		03/15/18 22:17	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/13/18 19:15	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/13/18 19:15	75-00-3	
Chloroform	**2.0**	ug/m3	0.071	0.030	1.44		03/13/18 19:15	67-66-3	
Chloromethane	**0.72**	ug/m3	0.60	0.19	1.44		03/13/18 19:15	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.33	1.44		03/13/18 19:15	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/13/18 19:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.054	1.44		03/15/18 22:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/13/18 19:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/13/18 19:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/13/18 19:15	106-46-7	
Dichlorodifluoromethane	**2.2**	ug/m3	1.5	0.60	1.44		03/13/18 19:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.059	0.021	1.44		03/15/18 22:17	75-34-3	
1,2-Dichloroethane	**0.099**	ug/m3	0.059	0.043	1.44		03/15/18 22:17	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.058	0.029	1.44		03/15/18 22:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.058	0.020	1.44		03/15/18 22:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.058	0.030	1.44		03/15/18 22:17	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.068	0.018	1.44		03/15/18 22:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.066	0.039	1.44		03/15/18 22:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.066	0.040	1.44		03/15/18 22:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/13/18 19:15	76-14-2	
Ethanol	**263**	ug/m3	1.4	0.67	1.44		03/13/18 19:15	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.28	1.44		03/13/18 19:15	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/13/18 19:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/13/18 19:15	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.30	1.44		03/13/18 19:15	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/13/18 19:15	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.48	1.44		03/13/18 19:15	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/13/18 19:15	591-78-6	
Methylene Chloride	ND	ug/m3	5.1	2.2	1.44		03/13/18 19:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/13/18 19:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/13/18 19:15	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/13/18 19:15	91-20-3	
2-Propanol	ND	ug/m3	3.6	1.8	1.44		03/13/18 19:15	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/13/18 19:15	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/13/18 19:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.055	1.44		03/15/18 22:17	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA13:A022818 **Lab ID: 10422365013** Collected: 02/28/18 16:08 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	**0.13**	ug/m3	0.099	0.044	1.44		03/15/18 22:17	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	0.39	1.44		03/13/18 19:15	109-99-9	
Toluene	**2.0**	ug/m3	1.1	0.23	1.44		03/13/18 19:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/13/18 19:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.080	0.036	1.44		03/15/18 22:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.080	0.038	1.44		03/15/18 22:17	79-00-5	
Trichloroethene	**0.13**	ug/m3	0.079	0.044	1.44		03/15/18 22:17	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.60	1.44		03/13/18 19:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/13/18 19:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/13/18 19:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/13/18 19:15	108-67-8	
Vinyl acetate	**2.0**	ug/m3	1.0	0.24	1.44		03/13/18 19:15	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/15/18 22:17	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/13/18 19:15	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/13/18 19:15	95-47-6	

Sample: IA13:A022818 Cert#1517 **Lab ID: 10422365014** Collected: 02/28/18 16:08 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 11:52	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/22/18 11:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/22/18 11:52	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/22/18 11:52	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/22/18 11:52	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/22/18 11:52	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/22/18 11:52	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/22/18 11:52	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/22/18 11:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/22/18 11:52	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/22/18 11:52	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/22/18 11:52	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/22/18 11:52	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/22/18 11:52	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/22/18 11:52	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/22/18 11:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/22/18 11:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/22/18 11:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/22/18 11:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/22/18 11:52	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/22/18 11:52	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/22/18 11:52	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/22/18 11:52	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA13:A022818 Cert#1517 **Lab ID: 10422365014** Collected: 02/28/18 16:08 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 11:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/22/18 11:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/22/18 11:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/22/18 11:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/22/18 11:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/22/18 11:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/22/18 11:52	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/22/18 11:52	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/22/18 11:52	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/22/18 11:52	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/22/18 11:52	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/22/18 11:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/22/18 11:52	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/22/18 11:52	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/22/18 11:52	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/22/18 11:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/22/18 11:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/22/18 11:52	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/22/18 11:52	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/22/18 11:52	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/22/18 11:52	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/22/18 11:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/22/18 11:52	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/22/18 11:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/22/18 11:52	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/22/18 11:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/22/18 11:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/22/18 11:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/22/18 11:52	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/22/18 11:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/22/18 11:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/22/18 11:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/22/18 11:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/22/18 11:52	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/22/18 11:52	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/22/18 11:52	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/22/18 11:52	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/22/18 11:52	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA16:A022818 **Lab ID: 10422365015** Collected: 02/28/18 16:13 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	**11.1**	ug/m3	3.5	2.2	1.44		03/13/18 19:50	67-64-1	
Benzene	**0.73**	ug/m3	0.047	0.023	1.44		03/15/18 22:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.34	1.44		03/13/18 19:50	100-44-7	
Bromodichloromethane	ND	ug/m3	0.098	0.040	1.44		03/15/18 22:52	75-27-4	
Bromoform	ND	ug/m3	3.0	1.0	1.44		03/13/18 19:50	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.30	1.44		03/13/18 19:50	74-83-9	
1,3-Butadiene	ND	ug/m3	0.032	0.031	1.44		03/15/18 22:52	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.3	0.29	1.44		03/13/18 19:50	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	0.26	1.44		03/13/18 19:50	75-15-0	
Carbon tetrachloride	**0.61**	ug/m3	0.092	0.047	1.44		03/15/18 22:52	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.26	1.44		03/13/18 19:50	108-90-7	
Chloroethane	ND	ug/m3	0.77	0.29	1.44		03/13/18 19:50	75-00-3	
Chloroform	**0.23**	ug/m3	0.071	0.030	1.44		03/15/18 22:52	67-66-3	
Chloromethane	ND	ug/m3	0.60	0.19	1.44		03/13/18 19:50	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.33	1.44		03/13/18 19:50	110-82-7	
Dibromochloromethane	ND	ug/m3	2.5	0.044	1.44		03/13/18 19:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.054	1.44		03/15/18 22:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.47	1.44		03/13/18 19:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.67	1.44		03/13/18 19:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.32	1.44		03/13/18 19:50	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.5	0.60	1.44		03/13/18 19:50	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.059	0.021	1.44		03/15/18 22:52	75-34-3	
1,2-Dichloroethane	**0.091**	ug/m3	0.059	0.043	1.44		03/15/18 22:52	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.058	0.029	1.44		03/15/18 22:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.058	0.020	1.44		03/15/18 22:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.058	0.030	1.44		03/15/18 22:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.068	0.018	1.44		03/15/18 22:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.066	0.039	1.44		03/15/18 22:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.066	0.040	1.44		03/15/18 22:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.64	1.44		03/13/18 19:50	76-14-2	
Ethanol	**31.9**	ug/m3	1.4	0.67	1.44		03/13/18 19:50	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.28	1.44		03/13/18 19:50	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.44		03/13/18 19:50	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.31	1.44		03/13/18 19:50	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.30	1.44		03/13/18 19:50	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.3	1.44		03/13/18 19:50	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.48	1.44		03/13/18 19:50	110-54-3	
2-Hexanone	ND	ug/m3	6.0	0.88	1.44		03/13/18 19:50	591-78-6	
Methylene Chloride	ND	ug/m3	5.1	2.2	1.44		03/13/18 19:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	0.51	1.44		03/13/18 19:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.96	1.44		03/13/18 19:50	1634-04-4	
Naphthalene	ND	ug/m3	3.8	0.86	1.44		03/13/18 19:50	91-20-3	
2-Propanol	ND	ug/m3	3.6	1.8	1.44		03/13/18 19:50	67-63-0	
Propylene	ND	ug/m3	0.50	0.23	1.44		03/13/18 19:50	115-07-1	
Styrene	ND	ug/m3	1.2	0.24	1.44		03/13/18 19:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.055	1.44		03/15/18 22:52	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA16:A022818 **Lab ID: 10422365015** Collected: 02/28/18 16:13 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	**0.13**	ug/m3	0.099	0.044	1.44		03/15/18 22:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	0.39	1.44		03/13/18 19:50	109-99-9	
Toluene	**1.6**	ug/m3	1.1	0.23	1.44		03/13/18 19:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.4	1.44		03/13/18 19:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.080	0.036	1.44		03/15/18 22:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.080	0.038	1.44		03/15/18 22:52	79-00-5	
Trichloroethene	ND	ug/m3	0.079	0.044	1.44		03/15/18 22:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.60	1.44		03/13/18 19:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.53	1.44		03/13/18 19:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.25	1.44		03/13/18 19:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.59	1.44		03/13/18 19:50	108-67-8	
Vinyl acetate	**1.9**	ug/m3	1.0	0.24	1.44		03/13/18 19:50	108-05-4	
Vinyl chloride	ND	ug/m3	0.037	0.037	1.44		03/15/18 22:52	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.50	1.44		03/13/18 19:50	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.53	1.44		03/13/18 19:50	95-47-6	

Sample: IA16:A022818 Cert#3342 **Lab ID: 10422365016** Collected: 02/28/18 16:13 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		02/20/18 20:43	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 20:43	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 20:43	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 20:43	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 20:43	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 20:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 20:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 20:43	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 20:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 20:43	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 20:43	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 20:43	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 20:43	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 20:43	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 20:43	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 20:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 20:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 20:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 20:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 20:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 20:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 20:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/20/18 20:43	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA16:A022818 Cert#3342 **Lab ID: 10422365016** Collected: 02/28/18 16:13 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								
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/20/18 20:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 20:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 20:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 20:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 20:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 20:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 20:43	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 20:43	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 20:43	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 20:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 20:43	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 20:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 20:43	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 20:43	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 20:43	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 20:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 20:43	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 20:43	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 20:43	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 20:43	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 20:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 20:43	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 20:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 20:43	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 20:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 20:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 20:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 20:43	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 20:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 20:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 20:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 20:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 20:43	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 20:43	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 20:43	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 20:43	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 20:43	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA17:A022818 **Lab ID: 10422365017** Collected: 02/28/18 16:16 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	**10.1**	ug/m3	3.3	2.1	1.39		03/13/18 20:24	67-64-1	
Benzene	**0.77**	ug/m3	0.045	0.022	1.39		03/15/18 21:08	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.33	1.39		03/13/18 20:24	100-44-7	
Bromodichloromethane	ND	ug/m3	0.095	0.039	1.39		03/15/18 21:08	75-27-4	
Bromoform	ND	ug/m3	2.9	0.96	1.39		03/13/18 20:24	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.29	1.39		03/13/18 20:24	74-83-9	
1,3-Butadiene	**0.27**	ug/m3	0.031	0.030	1.39		03/15/18 21:08	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.2	0.28	1.39		03/13/18 20:24	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	0.25	1.39		03/13/18 20:24	75-15-0	
Carbon tetrachloride	**0.63**	ug/m3	0.089	0.046	1.39		03/15/18 21:08	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.25	1.39		03/13/18 20:24	108-90-7	
Chloroethane	ND	ug/m3	0.75	0.28	1.39		03/13/18 20:24	75-00-3	
Chloroform	**0.28**	ug/m3	0.069	0.029	1.39		03/15/18 21:08	67-66-3	
Chloromethane	**0.91**	ug/m3	0.58	0.19	1.39		03/13/18 20:24	74-87-3	
Cyclohexane	ND	ug/m3	0.97	0.32	1.39		03/13/18 20:24	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	0.042	1.39		03/13/18 20:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.052	1.39		03/15/18 21:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	0.45	1.39		03/13/18 20:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	0.65	1.39		03/13/18 20:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	0.30	1.39		03/13/18 20:24	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.4	0.58	1.39		03/13/18 20:24	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.057	0.021	1.39		03/15/18 21:08	75-34-3	
1,2-Dichloroethane	**0.094**	ug/m3	0.057	0.042	1.39		03/15/18 21:08	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.056	0.028	1.39		03/15/18 21:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.056	0.019	1.39		03/15/18 21:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.056	0.029	1.39		03/15/18 21:08	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.065	0.017	1.39		03/15/18 21:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.064	0.038	1.39		03/15/18 21:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.064	0.039	1.39		03/15/18 21:08	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.61	1.39		03/13/18 20:24	76-14-2	
Ethanol	**50.8**	ug/m3	1.3	0.65	1.39		03/13/18 20:24	64-17-5	
Ethyl acetate	ND	ug/m3	1.0	0.27	1.39		03/13/18 20:24	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	0.24	1.39		03/13/18 20:24	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.30	1.39		03/13/18 20:24	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.29	1.39		03/13/18 20:24	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.2	1.39		03/13/18 20:24	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.46	1.39		03/13/18 20:24	110-54-3	
2-Hexanone	ND	ug/m3	5.8	0.85	1.39		03/13/18 20:24	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	2.1	1.39		03/13/18 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.8	0.49	1.39		03/13/18 20:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.1	0.93	1.39		03/13/18 20:24	1634-04-4	
Naphthalene	ND	ug/m3	3.7	0.83	1.39		03/13/18 20:24	91-20-3	
2-Propanol	ND	ug/m3	3.5	1.7	1.39		03/13/18 20:24	67-63-0	
Propylene	ND	ug/m3	0.49	0.22	1.39		03/13/18 20:24	115-07-1	
Styrene	ND	ug/m3	1.2	0.23	1.39		03/13/18 20:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.097	0.054	1.39		03/15/18 21:08	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA17:A022818 **Lab ID: 10422365017** Collected: 02/28/18 16:16 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	**0.16**	ug/m3	0.096	0.042	1.39		03/15/18 21:08	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	0.38	1.39		03/13/18 20:24	109-99-9	
Toluene	**1.9**	ug/m3	1.1	0.22	1.39		03/13/18 20:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.2	1.3	1.39		03/13/18 20:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.077	0.034	1.39		03/15/18 21:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.077	0.037	1.39		03/15/18 21:08	79-00-5	
Trichloroethene	**0.089**	ug/m3	0.076	0.043	1.39		03/15/18 21:08	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.58	1.39		03/13/18 20:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.51	1.39		03/13/18 20:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.24	1.39		03/13/18 20:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.57	1.39		03/13/18 20:24	108-67-8	
Vinyl acetate	**1.4**	ug/m3	1.0	0.23	1.39		03/13/18 20:24	108-05-4	
Vinyl chloride	ND	ug/m3	0.036	0.036	1.39		03/15/18 21:08	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.49	1.39		03/13/18 20:24	179601-23-1	
o-Xylene	ND	ug/m3	1.2	0.52	1.39		03/13/18 20:24	95-47-6	

Sample: IA17:A022818 Cert#3346 **Lab ID: 10422365018** Collected: 02/28/18 16:16 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 01:17	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/21/18 01:17	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/21/18 01:17	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/21/18 01:17	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/21/18 01:17	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/21/18 01:17	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/21/18 01:17	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/21/18 01:17	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/21/18 01:17	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/21/18 01:17	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/21/18 01:17	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/21/18 01:17	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/21/18 01:17	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/21/18 01:17	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/21/18 01:17	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/21/18 01:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/21/18 01:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/21/18 01:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/21/18 01:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/21/18 01:17	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/21/18 01:17	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/21/18 01:17	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/21/18 01:17	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: IA17:A022818 Cert#3346 **Lab ID: 10422365018** Collected: 02/28/18 16:16 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 01:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/21/18 01:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/21/18 01:17	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/21/18 01:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/21/18 01:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/21/18 01:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/21/18 01:17	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/21/18 01:17	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/21/18 01:17	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/21/18 01:17	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/21/18 01:17	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/21/18 01:17	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/21/18 01:17	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/21/18 01:17	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/21/18 01:17	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/21/18 01:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/21/18 01:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/21/18 01:17	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/21/18 01:17	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/21/18 01:17	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/21/18 01:17	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/21/18 01:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/21/18 01:17	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/21/18 01:17	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/21/18 01:17	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/21/18 01:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/21/18 01:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/21/18 01:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/21/18 01:17	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/21/18 01:17	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/21/18 01:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/21/18 01:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/21/18 01:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/21/18 01:17	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/21/18 01:17	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/21/18 01:17	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/21/18 01:17	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/21/18 01:17	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: OA720:A022818 **Lab ID: 10422365019** Collected: 02/28/18 16:25 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	**4.0**	ug/m3	3.6	2.2	1.49		03/13/18 20:59	67-64-1	
Benzene	**0.77**	ug/m3	0.048	0.024	1.49		03/15/18 21:42	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	0.35	1.49		03/13/18 20:59	100-44-7	
Bromodichloromethane	ND	ug/m3	0.10	0.042	1.49		03/15/18 21:42	75-27-4	
Bromoform	ND	ug/m3	3.1	1.0	1.49		03/13/18 20:59	75-25-2	SS
Bromomethane	ND	ug/m3	1.2	0.31	1.49		03/13/18 20:59	74-83-9	
1,3-Butadiene	**0.16**	ug/m3	0.034	0.032	1.49		03/15/18 21:42	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.5	0.30	1.49		03/13/18 20:59	78-93-3	
Carbon disulfide	ND	ug/m3	0.94	0.27	1.49		03/13/18 20:59	75-15-0	
Carbon tetrachloride	**0.65**	ug/m3	0.095	0.049	1.49		03/15/18 21:42	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.27	1.49		03/13/18 20:59	108-90-7	
Chloroethane	ND	ug/m3	0.80	0.30	1.49		03/13/18 20:59	75-00-3	
Chloroform	**0.12**	ug/m3	0.074	0.031	1.49		03/15/18 21:42	67-66-3	
Chloromethane	**0.82**	ug/m3	0.63	0.20	1.49		03/13/18 20:59	74-87-3	
Cyclohexane	ND	ug/m3	1.0	0.34	1.49		03/13/18 20:59	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	0.045	1.49		03/13/18 20:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.12	0.056	1.49		03/15/18 21:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.49	1.49		03/13/18 20:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.69	1.49		03/13/18 20:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.33	1.49		03/13/18 20:59	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.5	0.62	1.49		03/13/18 20:59	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.061	0.022	1.49		03/15/18 21:42	75-34-3	
1,2-Dichloroethane	**0.091**	ug/m3	0.061	0.045	1.49		03/15/18 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.060	0.030	1.49		03/15/18 21:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.060	0.021	1.49		03/15/18 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.060	0.031	1.49		03/15/18 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.070	0.018	1.49		03/15/18 21:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.069	0.040	1.49		03/15/18 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.069	0.042	1.49		03/15/18 21:42	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.1	0.66	1.49		03/13/18 20:59	76-14-2	
Ethanol	**23.7**	ug/m3	1.4	0.69	1.49		03/13/18 20:59	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	0.29	1.49		03/13/18 20:59	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	0.25	1.49		03/13/18 20:59	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.5	0.32	1.49		03/13/18 20:59	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.31	1.49		03/13/18 20:59	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.2	1.3	1.49		03/13/18 20:59	87-68-3	
n-Hexane	ND	ug/m3	1.1	0.50	1.49		03/13/18 20:59	110-54-3	
2-Hexanone	ND	ug/m3	6.2	0.91	1.49		03/13/18 20:59	591-78-6	
Methylene Chloride	ND	ug/m3	5.3	2.3	1.49		03/13/18 20:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.2	0.53	1.49		03/13/18 20:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.5	0.99	1.49		03/13/18 20:59	1634-04-4	
Naphthalene	ND	ug/m3	4.0	0.89	1.49		03/13/18 20:59	91-20-3	
2-Propanol	ND	ug/m3	3.7	1.9	1.49		03/13/18 20:59	67-63-0	
Propylene	**1.2**	ug/m3	0.52	0.23	1.49		03/13/18 20:59	115-07-1	
Styrene	ND	ug/m3	1.3	0.25	1.49		03/13/18 20:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.10	0.057	1.49		03/15/18 21:42	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: OA720:A022818 **Lab ID: 10422365019** Collected: 02/28/18 16:25 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	**0.20**	ug/m3	0.10	0.045	1.49		03/15/18 21:42	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.89	0.41	1.49		03/13/18 20:59	109-99-9	
Toluene	**2.7**	ug/m3	1.1	0.24	1.49		03/13/18 20:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	1.4	1.49		03/13/18 20:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.083	0.037	1.49		03/15/18 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.083	0.040	1.49		03/15/18 21:42	79-00-5	
Trichloroethene	**0.17**	ug/m3	0.081	0.046	1.49		03/15/18 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	0.62	1.49		03/13/18 20:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	0.55	1.49		03/13/18 20:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	0.26	1.49		03/13/18 20:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.61	1.49		03/13/18 20:59	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.25	1.49		03/13/18 20:59	108-05-4	
Vinyl chloride	ND	ug/m3	0.039	0.038	1.49		03/15/18 21:42	75-01-4	
m&p-Xylene	ND	ug/m3	2.6	0.52	1.49		03/13/18 20:59	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.55	1.49		03/13/18 20:59	95-47-6	

Sample: OA720:A022818 Cert#2762 **Lab ID: 10422365020** Collected: 02/28/18 16:25 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 01:09	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/22/18 01:09	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/22/18 01:09	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/22/18 01:09	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/22/18 01:09	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/22/18 01:09	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/22/18 01:09	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/22/18 01:09	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/22/18 01:09	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/22/18 01:09	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/22/18 01:09	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/22/18 01:09	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/22/18 01:09	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/22/18 01:09	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/22/18 01:09	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/22/18 01:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/22/18 01:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/22/18 01:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/22/18 01:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/22/18 01:09	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/22/18 01:09	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/22/18 01:09	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.041	0.030	1		02/22/18 01:09	107-06-2	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: OA720:A022818 Cert#2762 **Lab ID: 10422365020** Collected: 02/28/18 16:25 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 01:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/22/18 01:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/22/18 01:09	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/22/18 01:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/22/18 01:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/22/18 01:09	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/22/18 01:09	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/22/18 01:09	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/22/18 01:09	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/22/18 01:09	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/22/18 01:09	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/22/18 01:09	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/22/18 01:09	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/22/18 01:09	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/22/18 01:09	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/22/18 01:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/22/18 01:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/22/18 01:09	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/22/18 01:09	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/22/18 01:09	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/22/18 01:09	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/22/18 01:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/22/18 01:09	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/22/18 01:09	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/22/18 01:09	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/22/18 01:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/22/18 01:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/22/18 01:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/22/18 01:09	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/22/18 01:09	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/22/18 01:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/22/18 01:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/22/18 01:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/22/18 01:09	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/22/18 01:09	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/22/18 01:09	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/22/18 01:09	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/22/18 01:09	95-47-6	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: Dup720:A022818 **Lab ID: 10422365021** 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	**8.8**	ug/m3	3.3	2.1	1.39		03/13/18 22:44	67-64-1	
Benzene	**0.72**	ug/m3	0.045	0.022	1.39		03/15/18 23:27	71-43-2	
Benzyl chloride	ND	ug/m3	1.5	0.33	1.39		03/13/18 22:44	100-44-7	
Bromodichloromethane	ND	ug/m3	0.095	0.039	1.39		03/15/18 23:27	75-27-4	
Bromoform	ND	ug/m3	2.9	0.96	1.39		03/13/18 22:44	75-25-2	SS
Bromomethane	ND	ug/m3	1.1	0.29	1.39		03/13/18 22:44	74-83-9	
1,3-Butadiene	**0.20**	ug/m3	0.031	0.030	1.39		03/15/18 23:27	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.2	0.28	1.39		03/13/18 22:44	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	0.25	1.39		03/13/18 22:44	75-15-0	
Carbon tetrachloride	**0.61**	ug/m3	0.089	0.046	1.39		03/15/18 23:27	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	0.25	1.39		03/13/18 22:44	108-90-7	
Chloroethane	ND	ug/m3	0.75	0.28	1.39		03/13/18 22:44	75-00-3	
Chloroform	**0.22**	ug/m3	0.069	0.029	1.39		03/15/18 23:27	67-66-3	
Chloromethane	ND	ug/m3	0.58	0.19	1.39		03/13/18 22:44	74-87-3	
Cyclohexane	ND	ug/m3	0.97	0.32	1.39		03/13/18 22:44	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	0.042	1.39		03/13/18 22:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.11	0.052	1.39		03/15/18 23:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	0.45	1.39		03/13/18 22:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	0.65	1.39		03/13/18 22:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	0.30	1.39		03/13/18 22:44	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.4	0.58	1.39		03/13/18 22:44	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.057	0.021	1.39		03/15/18 23:27	75-34-3	
1,2-Dichloroethane	**0.090**	ug/m3	0.057	0.042	1.39		03/15/18 23:27	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.056	0.028	1.39		03/15/18 23:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.056	0.019	1.39		03/15/18 23:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.056	0.029	1.39		03/15/18 23:27	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.065	0.017	1.39		03/15/18 23:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.064	0.038	1.39		03/15/18 23:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.064	0.039	1.39		03/15/18 23:27	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.61	1.39		03/13/18 22:44	76-14-2	
Ethanol	**29.4**	ug/m3	1.3	0.65	1.39		03/13/18 22:44	64-17-5	
Ethyl acetate	ND	ug/m3	1.0	0.27	1.39		03/13/18 22:44	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	0.24	1.39		03/13/18 22:44	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	0.30	1.39		03/13/18 22:44	622-96-8	
n-Heptane	ND	ug/m3	1.2	0.29	1.39		03/13/18 22:44	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.2	1.39		03/13/18 22:44	87-68-3	
n-Hexane	ND	ug/m3	1.0	0.46	1.39		03/13/18 22:44	110-54-3	
2-Hexanone	ND	ug/m3	5.8	0.85	1.39		03/13/18 22:44	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	2.1	1.39		03/13/18 22:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.8	0.49	1.39		03/13/18 22:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.1	0.93	1.39		03/13/18 22:44	1634-04-4	
Naphthalene	ND	ug/m3	3.7	0.83	1.39		03/13/18 22:44	91-20-3	
2-Propanol	ND	ug/m3	3.5	1.7	1.39		03/13/18 22:44	67-63-0	
Propylene	ND	ug/m3	0.49	0.22	1.39		03/13/18 22:44	115-07-1	
Styrene	ND	ug/m3	1.2	0.23	1.39		03/13/18 22:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.097	0.054	1.39		03/15/18 23:27	79-34-5	SS

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: Dup720:A022818 **Lab ID: 10422365021** 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	**0.13**	ug/m3	0.096	0.042	1.39		03/15/18 23:27	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	0.38	1.39		03/13/18 22:44	109-99-9	
Toluene	**1.9**	ug/m3	1.1	0.22	1.39		03/13/18 22:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.2	1.3	1.39		03/13/18 22:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.077	0.034	1.39		03/15/18 23:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.077	0.037	1.39		03/15/18 23:27	79-00-5	
Trichloroethene	**0.086**	ug/m3	0.076	0.043	1.39		03/15/18 23:27	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	0.58	1.39		03/13/18 22:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	0.51	1.39		03/13/18 22:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.24	1.39		03/13/18 22:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.57	1.39		03/13/18 22:44	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	0.23	1.39		03/13/18 22:44	108-05-4	
Vinyl chloride	ND	ug/m3	0.036	0.036	1.39		03/15/18 23:27	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	0.49	1.39		03/13/18 22:44	179601-23-1	
o-Xylene	ND	ug/m3	1.2	0.52	1.39		03/13/18 22:44	95-47-6	

Sample: Dup720:A022818 Cert#1755 **Lab ID: 10422365022** 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		02/20/18 15:35	67-64-1	
Benzene	ND	ug/m3	0.032	0.016	1		02/20/18 15:35	71-43-2	
Benzyl chloride	ND	ug/m3	1.0	0.24	1		02/20/18 15:35	100-44-7	
Bromodichloromethane	ND	ug/m3	0.068	0.028	1		02/20/18 15:35	75-27-4	
Bromoform	ND	ug/m3	5.3	0.69	1		02/20/18 15:35	75-25-2	
Bromomethane	ND	ug/m3	0.79	0.21	1		02/20/18 15:35	74-83-9	
1,3-Butadiene	ND	ug/m3	0.022	0.022	1		02/20/18 15:35	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	0.20	1		02/20/18 15:35	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	0.18	1		02/20/18 15:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.064	0.033	1		02/20/18 15:35	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	0.18	1		02/20/18 15:35	108-90-7	
Chloroethane	ND	ug/m3	1.3	0.20	1		02/20/18 15:35	75-00-3	
Chloroform	ND	ug/m3	0.050	0.021	1		02/20/18 15:35	67-66-3	
Chloromethane	ND	ug/m3	0.42	0.13	1		02/20/18 15:35	74-87-3	
Cyclohexane	ND	ug/m3	1.7	0.23	1		02/20/18 15:35	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	0.030	1		02/20/18 15:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.078	0.038	1		02/20/18 15:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.2	0.33	1		02/20/18 15:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	0.47	1		02/20/18 15:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.2	0.22	1		02/20/18 15:35	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.0	0.42	1		02/20/18 15:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.041	0.015	1		02/20/18 15:35	75-34-3	

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ANALYTICAL RESULTS

Project: 720 WAKS2510c
Pace Project No.: 10422365

Sample: Dup720:A022818 Cert#1755 **Lab ID: 10422365022** 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		02/20/18 15:35	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.040	0.020	1		02/20/18 15:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.040	0.014	1		02/20/18 15:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.040	0.021	1		02/20/18 15:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.047	0.012	1		02/20/18 15:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.046	0.027	1		02/20/18 15:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.046	0.028	1		02/20/18 15:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	0.44	1		02/20/18 15:35	76-14-2	
Ethanol	ND	ug/m3	1.9	0.46	1		02/20/18 15:35	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	0.20	1		02/20/18 15:35	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	0.17	1		02/20/18 15:35	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.0	0.21	1		02/20/18 15:35	622-96-8	
n-Heptane	ND	ug/m3	0.83	0.21	1		02/20/18 15:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.2	0.87	1		02/20/18 15:35	87-68-3	
n-Hexane	ND	ug/m3	0.72	0.33	1		02/20/18 15:35	110-54-3	
2-Hexanone	ND	ug/m3	5.2	0.61	1		02/20/18 15:35	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1.5	1		02/20/18 15:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	0.36	1		02/20/18 15:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	0.67	1		02/20/18 15:35	1634-04-4	
Naphthalene	ND	ug/m3	2.7	0.60	1		02/20/18 15:35	91-20-3	
2-Propanol	ND	ug/m3	2.5	1.2	1		02/20/18 15:35	67-63-0	
Propylene	ND	ug/m3	0.35	0.16	1		02/20/18 15:35	115-07-1	
Styrene	ND	ug/m3	0.87	0.17	1		02/20/18 15:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.070	0.038	1		02/20/18 15:35	79-34-5	
Tetrachloroethene	ND	ug/m3	0.069	0.030	1		02/20/18 15:35	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	0.27	1		02/20/18 15:35	109-99-9	
Toluene	ND	ug/m3	0.77	0.16	1		02/20/18 15:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.8	0.96	1		02/20/18 15:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	0.056	0.025	1		02/20/18 15:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.056	0.027	1		02/20/18 15:35	79-00-5	
Trichloroethene	ND	ug/m3	0.055	0.031	1		02/20/18 15:35	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	0.42	1		02/20/18 15:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	0.37	1		02/20/18 15:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.5	0.17	1		02/20/18 15:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.5	0.41	1		02/20/18 15:35	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	0.17	1		02/20/18 15:35	108-05-4	
Vinyl chloride	ND	ug/m3	0.026	0.026	1		02/20/18 15:35	75-01-4	
m&p-Xylene	ND	ug/m3	4.4	0.35	1		02/20/18 15:35	179601-23-1	
o-Xylene	ND	ug/m3	2.2	0.37	1		02/20/18 15:35	95-47-6	

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QUALITY CONTROL DATA

Project: 720 WAKS2510c
Pace Project No.: 10422365

QC Batch: 527160 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR SIM SCAN
Associated Lab Samples: 10422365001, 10422365003, 10422365005, 10422365007, 10422365009, 10422365011, 10422365013, 10422365015, 10422365017, 10422365019, 10422365021

METHOD BLANK: 2859852 Matrix: Air
Associated Lab Samples: 10422365001, 10422365003, 10422365005, 10422365007, 10422365009, 10422365011, 10422365013, 10422365015, 10422365017, 10422365019, 10422365021

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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QUALITY CONTROL DATA

Project: 720 WAKS2510c
Pace Project No.: 10422365

METHOD BLANK: 2859852 Matrix: Air

Associated Lab Samples: 10422365001, 10422365003, 10422365005, 10422365007, 10422365009, 10422365011, 10422365013, 10422365015, 10422365017, 10422365019, 10422365021

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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QUALITY CONTROL DATA

Project: 720 WAKS2510c
Pace Project No.: 10422365

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

QUALIFIERS

Project: 720 WAKS2510c
Pace Project No.: 10422365

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 720 WAKS2510c
Pace Project No.: 10422365

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10422365001	**IA1:A022818**	TO-15	527160		
10422365002	**IA1:A022818 Cert#1506**	TO-15	527292		
10422365003	**SS1:A022818**	TO-15	527160		
10422365004	**SS1:A022818 Cert#1541**	TO-15	527292		
10422365005	**IA2:A022818**	TO-15	527160		
10422365006	**IA2:A022818 Cert#0325**	TO-15	527292		
10422365007	**SS2:A022818**	TO-15	527160		
10422365008	**SS2:A022818 Cert#3419**	TO-15	527292		
10422365009	**IA3:A022818**	TO-15	527160		
10422365010	**IA3:A022818 Cert#2346**	TO-15	527292		
10422365011	**IA12:A022818**	TO-15	527160		
10422365012	**IA12:A022818 Cert#3317**	TO-15	527292		
10422365013	**IA13:A022818**	TO-15	527160		
10422365014	**IA13:A022818 Cert#1517**	TO-15	527292		
10422365015	**IA16:A022818**	TO-15	527160		
10422365016	**IA16:A022818 Cert#3342**	TO-15	527292		
10422365017	**IA17:A022818**	TO-15	527160		
10422365018	**IA17:A022818 Cert#3346**	TO-15	527292		
10422365019	**OA720:A022818**	TO-15	527160		
10422365020	**OA720:A022818 Cert#2762**	TO-15	527292		
10422365021	**Dup720:A022818**	TO-15	527160		
10422365022	**Dup720:A022818 Cert#1755**	TO-15	527292		

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AIR: CHAIN-OF-CUSTODY

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

WO# : 10422365

10422365

31582

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.slotter@elamgroup.com
Phone: Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Jason Elam
Copy To:
Purchase Order No.: WAKS2510C
Project Name: WAKS2510C
Project Number: 720

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 ☒ 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 #	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 STM	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA1 ; A022818	6LC		2/28	802	2/28	1603	-29	-3	1506	318					X					001 ; 002
2	SS1 ; A022818	6LC		2/28	801	2/28	1601	-28	-3	1541	256					X					003 ; 004
3	IA2 ; A022818	6LC		2/28	757	2/28	1557	-30	-4	325	317					X					005 ; 006
4	SS2 ; A022818	6LC		2/28	756	2/28	1556	-30	-2	3419	278					X					007 ; 008
5	IA3 ; A022818	6LC		2/28	752	2/28	1553	-28	-3	2346	373					X					009 ; 010
6	~~SS3 ; A022818~~	~~6LC~~		~~2/28~~	~~753~~			-30		852	332					X					
7	IA12 ; A022818	6LC		2/28	805	2/28	1606	-29	-10	3317	1036					X					011 ; 012
8	IA13 ; A022818	6LC		2/28	809	2/28	1608	-30	-2	1517	226					X					013 ; 014
9	IA16 ; A022818	6LC		2/28	812	2/28	1613	-30	-3	3342	35					X					015 ; 016
10	IA17 ; A022818	6LC		2/28	815	2/28	1616	-30	-2	3346	363					X					017 ; 018
11	OA720 ; A022818	6LC		2/28	824	2/28	1625	-30	-4	2762	1049					X					019 ; 020
12	Dup720 ; A022818	6LC		2/28	—	2/28	—	-30	-2	1755	1017					X					021 ; 022

Comments :

TO-15 SIM

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Chris Slotter / ELAM	3-1-18	1400	[illegible] / Pace	3-1-18	1430
[illegible]	3-1-18	1800	[illegible] / Pace	3/2/18	1000

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Slotter

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

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

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# : 10422365

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

CLIENT: ELAM Group

Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other: 9324

Tracking Number: 4249 3595 9346 9357 ~~9324~~, 9313 9335 9302

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

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☒ 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:** RG 3/2/18

Type of Ice Received ☐ Blue ☐ Wet ☒ None

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ 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?	☒ Yes	☐ No	☐ N/A	12.

Samples Received: FFFT, 15 cans — 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			-2	5	OA720			-3	5
SS 1			-2		Dup720			-1	"
IA2			-4						
SS 2			-2						
IA3			-4						
IA12			-3						
" 13			-2						
" 16			-2						
" 17			-1	↓					

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolyne Trout **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)