December 30, 2020
File No. 25211374.50

Ms. Rebecca Schultz, Commercial Property Manager
The Alexander Company
2450 Rimrock Road, Suite 100
Madison, WI 53713

Subject: November 2020 Sub-slab Vapor Testing Results
Northgate Shopping Center, Madison, Wisconsin

Dear Rebecca:

SCS Engineers (SCS), on behalf of Northgate Partnership, recently conducted vapor testing at the Northgate Shopping Center. Samples were collected on November 16 & 17, 2020, at the following locations:

- 1159 N. Sherman — Weaver Auto Parts
- 1171 N. Sherman — V Nails & Spa Pedicure
- 1181 N. Sherman — Door Creek Church
- 1191 N. Sherman — CSN
- 1193 N. Sherman — Anytime Fitness
- 1197 N. Sherman — Madison Oriental Market
- 1201 N. Sherman — Dog Dog Daycare

The sampling locations are shown on the attached figure, and the sampling results are summarized in the attached table. The lab report is also attached.

Low concentrations of two chemicals (tetrachloroethene and trichloroethene) were detected in the samples. All the concentrations are less than the applicable Wisconsin Department of Natural Resources (WDNR) vapor risk screening levels.

The purpose of the vapor testing was to obtain information needed to design vapor mitigation systems for areas of the shopping center. Some of the retail spaces sampled in this event were previously tested and none were identified as having vapors in the subsurface that are greater than the applicable WDNR screening levels. The recent results are consistent with previous results.

The WDNR requires that property owners and tenants are notified of the results. We understand that Alexander Company will notify their tenants of the results. The attached WDNR fact sheet explaining vapor intrusion may be helpful when notifying tenants. The WDNR has requested that you copy the WDNR on the notification to your tenants. The WDNR project manager's contact information is listed on the next page.

Thank you for your cooperation.

Please feel free to contact Betty at 608.212.6664 or bsocha@scsengineers.com if you have any questions.

Sincerely,

Betty J. Socha, PhD, PG
Senior Project Manager
SCS Engineers

Robert E. Langdon
Senior Project Manager
SCS Engineers

BJS/AJR/REL

cc: Mr. Paul Roth, Northgate Partnership (e-copy)
Mr. Alex Sterling, The Alexander Company (e-copy)
Mr. Joseph Alexander, The Alexander Company (e-copy)
Mr. Jerimiah Leigh, The Alexander Company (e-copy)

Ms. Cindy Koepke, WDNR
South Central Region
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397
608-275-3257
cynthia.koepke@wisconsin.gov

Encl. Table 1 – Sub-Slab Vapor Analytical Results Summary
Figure 1 – Vapor Sampling Locations
Pace Analytical Laboratory Report dated December 14, 2020
WDNR Vapor Intrusion Quick Facts, Pub-RR-892

I:\3745\Correspondence-Other\2020 Alexander Vapor Update\201230_Alexander_Vapor Monitoring Results.docx

Table 1. Sub-Slab Vapor Analytical Results Summary
Laundry Land Cleaners / SCS Engineers Project #25211374.51
(Results are in ppbv)

N. Sherman Ave. (or as noted)	Business as of November 16, 2020	Sample Name	Date	Lab Notes	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	Vinyl Chloride
1159	**Weaver Auto Parts**	Weaver Auto Parts	3/31/2015	--	<43	<43	480	<43	<43
		1159 N	11/16/2020	(5)	<0.06	<0.074	190	<0.06	<0.058
		1159 S	11/16/2020	(5)	<0.06	<0.074	741	<0.06	<0.058
1171	**VNails**	1171 N	11/16/2020	(5)	<0.067	<0.082	11.2	<0.068	<0.065
		1171 S	11/16/2020	(5)	<0.067	<0.082	173	<0.068	<0.065
1181	**Door Creek Church**	Precious Moments	4/21/2015	--	<2.1	<2.1	39	<2.1	<2.1
		1181 E	11/16/2020	(5)	<0.05	<0.06	4.8	0.24	<0.046
		1181 W	11/16/2020	(5)	<0.065	<0.077	7.9	<0.064	<0.062
1191	**CSN**	1191 E	11/16/2020	(5)	<0.062	<0.074	10	<0.062	<0.058
		1191 W	11/16/2020	(5)	<0.06	<0.072	36	<0.059	<0.054
1193	**Anytime Fitness**	1193 E	11/17/2020	(5)	<0.06	<0.074	18.1	<0.06	<0.058
		1193 W	11/17/2020	(5)	<0.06	<0.074	39.5	<0.06	<0.058
1197	**Madison Oriental Market**	1197 E	11/16/2020	(5)	<0.06	<0.074	6.2	<0.06	<0.058
		1197 W	11/16/2020	(5)	<0.057	<0.067	29.6	<0.057	<0.054
1201	**Dog Dog Daycare**	Northside Restaurant	4/1/2015	--	<43	<43	420	<43	<43
		1201 E	11/17/2020	(5)	<0.055	<0.065	16.8	0.15 J	<0.05
		1201 W	11/17/2020	(5)	<0.06	<0.074	53.5	<0.06	<0.058
Vapor Risk Screening Level (Small Commercial Buildings)					NE	NE	900	53	370

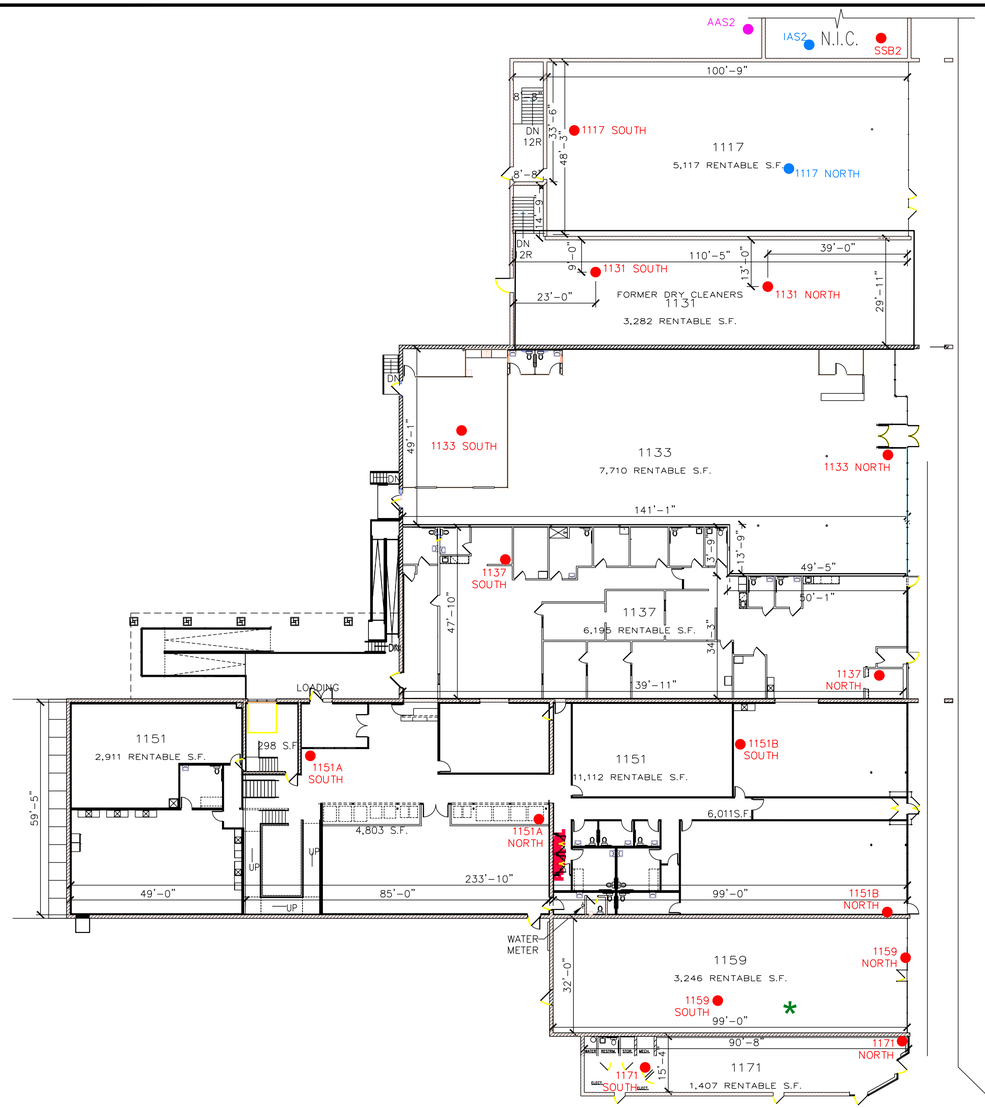
Abbreviations:
ppbv = parts per billion by volume NE = No Established Standard DUP = Duplicate sample

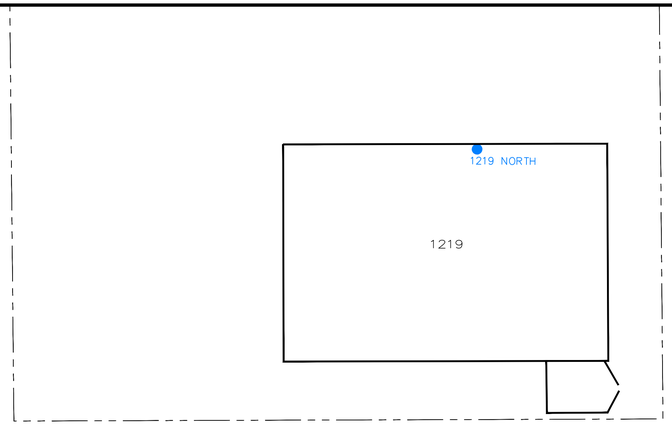
Notes:
1. Samples were collected in 6L summa canisters over 30 minute period and analyzed using the US EPA TO-15 analytical method.
2. Vapor Risk Screening Levels are from Wisconsin Department of Natural Resources' WI Vapor Quick Look-Up Table, which is based on November 2017 USEPA Regional Screening Level Tables.
3. **Bold** & **underlined** values meet or exceed Vapor Risk Screening Levels for small commercial buildings.

Laboratory Notes:
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
(5) These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Created by: TLC Date: 10/26/2012
Last Rev by: JSN Date: 12/11/2020
Checked by: AJR Date: 12/14/2020
Proj Mgr QA/QC: BJS Date: 12/14/2020

I:\3745\Correspondence-Other\2020 Alexander Vapor Update\[Table 1_Sub-Slab-Vapor_Results_12-2020v.xls]VOCs



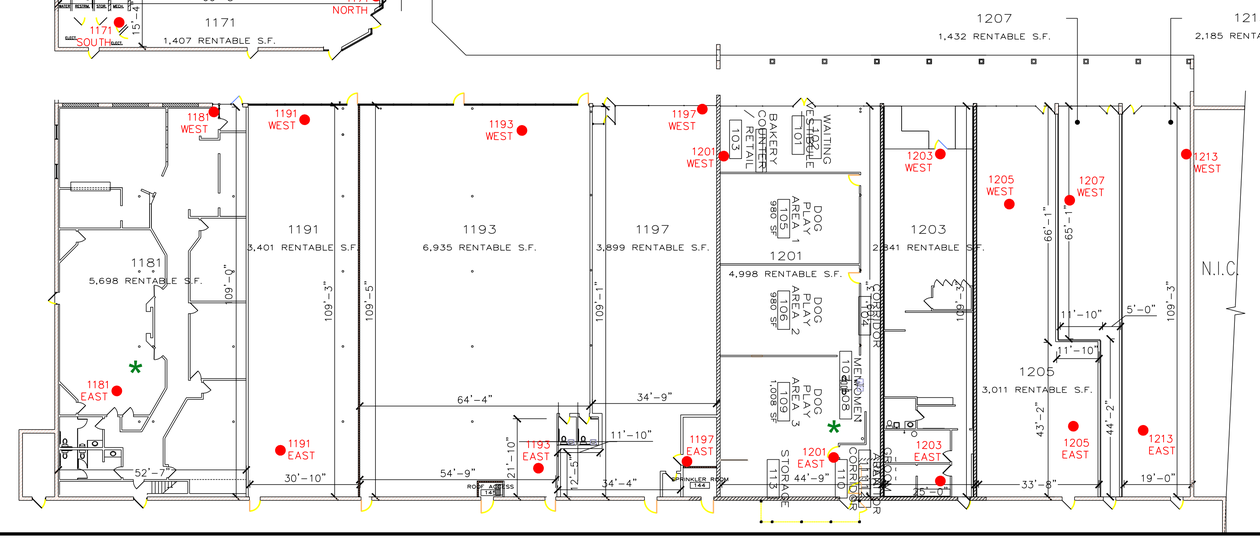


LEGEND

1291	STREET ADDRESS
	FORMER LAUNDRY LAND DRY CLEANERS 1131 N. SHERMAN AVENUE
	APPROXIMATE LOT LINE
●	APPROXIMATE SUB-SLAB SAMPLE LOCATION 2019-2020
●	APPROXIMATE INDOOR AIR SAMPLE LOCATION
●	APPROXIMATE OUTDOOR AIR SAMPLE LOCATION
*	UNIT SAMPLED FOR VAPORS (2012-2016); NO SCREENING LEVELS EXCEEDED SEE TABLES 1 AND 2

NOTE:

1. UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR LOCATING PURPOSES. LOCATIONS BASED ON UTILITY MAP PROVIDED BY CITY OF MADISON GIS/MAPPING.
2. INTERIOR LAYOUTS MAY BE DIFFERENT THAN SHOWN.



N

20 0 20

SCALE: 1" = 20'

FIGURE 1

VAPOR SAMPLING LOCATIONS

NORTHGATE SHOPPING CENTER
1127 NORTH SHERMAN AVE.
MADISON, WISCONSIN

3 of 5

CLIENT
NORTHGATE PARTNERSHIP
7625 BONETTI ROAD
DANE, WI 53529

ENGINEER
SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

DRAWN BY:	KP/MT	PROJECT NO.	25211374.51
CHECKED BY:	BJS	DRAWN:	09/15/2020
APPROVED BY:	BJS 12/30/2020	REVISED:	12/29/2020

L:\GIS\Drawings\General\Vapor Barrier\Locations.dwg, 12/30/2020 11:57:11 AM

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

December 14, 2020

Rob Langdon
SCS Engineers
2830 Dairy Dr.
Madison, WI 53718

RE: Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Dear Rob Langdon:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

This report was revised December 14, 2020, to change the sample IDs for 10539883013 and 10539883014.

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

Sincerely,

Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Pace Analytical Services - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
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 #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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

SAMPLE SUMMARY

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10539883001	**1159 S**	Air	11/16/20 09:10	11/19/20 15:05
10539883002	**1159 N**	Air	11/16/20 09:53	11/19/20 15:05
10539883003	**1171 S**	Air	11/16/20 11:16	11/19/20 15:05
10539883004	**1171 N**	Air	11/16/20 11:45	11/19/20 15:05
10539883005	**1181 E**	Air	11/16/20 12:50	11/19/20 15:05
10539883006	**1181 W**	Air	11/16/20 13:30	11/19/20 15:05
10539883007	**1191 E**	Air	11/16/20 14:45	11/19/20 15:05
10539883008	**1191 W**	Air	11/16/20 15:15	11/19/20 15:05
10539883009	**1197 E**	Air	11/16/20 16:20	11/19/20 15:05
10539883010	**1197 W**	Air	11/16/20 16:47	11/19/20 15:05
10539883011	**1193 E**	Air	11/17/20 12:50	11/19/20 15:05
10539883012	**1193 W**	Air	11/17/20 13:40	11/19/20 15:05
10539883013	**1201 E**	Air	11/17/20 19:04	11/19/20 15:05
10539883014	**1201 W**	Air	11/17/20 19:22	11/19/20 15:05

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

SAMPLE ANALYTE COUNT

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10539883001	**1159 S**	TO-15	AFV, MJL	5	PASI-M
10539883002	**1159 N**	TO-15	AFV, MJL	5	PASI-M
10539883003	**1171 S**	TO-15	AFV, MJL	5	PASI-M
10539883004	**1171 N**	TO-15	AFV	5	PASI-M
10539883005	**1181 E**	TO-15	AFV	5	PASI-M
10539883006	**1181 W**	TO-15	AFV	5	PASI-M
10539883007	**1191 E**	TO-15	AFV	5	PASI-M
10539883008	**1191 W**	TO-15	AFV	5	PASI-M
10539883009	**1197 E**	TO-15	MJL	5	PASI-M
10539883010	**1197 W**	TO-15	MJL	5	PASI-M
10539883011	**1193 E**	TO-15	AFV	5	PASI-M
10539883012	**1193 W**	TO-15	AFV, MJL	5	PASI-M
10539883013	**1201 E**	TO-15	AFV	5	PASI-M
10539883014	**1201 W**	TO-15	AFV, MJL	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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

SUMMARY OF DETECTION

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10539883001	**1159 S**					
TO-15	Tetrachloroethene	5110	ug/m3	289	12/04/20 17:44	
10539883002	**1159 N**					
TO-15	Tetrachloroethene	1310	ug/m3	36.2	12/04/20 16:29	
10539883003	**1171 S**					
TO-15	Tetrachloroethene	1190	ug/m3	39.7	12/04/20 17:06	
10539883004	**1171 N**					
TO-15	Tetrachloroethene	77.3	ug/m3	1.3	12/04/20 05:10	
10539883005	**1181 E**					
TO-15	Tetrachloroethene	33.1	ug/m3	0.99	12/04/20 05:51	
TO-15	Trichloroethene	1.3	ug/m3	0.79	12/04/20 05:51	
10539883006	**1181 W**					
TO-15	Tetrachloroethene	54.6	ug/m3	1.3	12/04/20 06:31	
10539883007	**1191 E**					
TO-15	Tetrachloroethene	69.2	ug/m3	1.2	12/04/20 07:12	
10539883008	**1191 W**					
TO-15	Tetrachloroethene	248	ug/m3	1.2	12/04/20 07:53	
10539883009	**1197 E**					
TO-15	Tetrachloroethene	42.6	ug/m3	1.2	12/04/20 19:46	
10539883010	**1197 W**					
TO-15	Tetrachloroethene	204	ug/m3	1.1	12/04/20 18:25	
10539883011	**1193 E**					
TO-15	Tetrachloroethene	125	ug/m3	1.2	12/03/20 19:17	
10539883012	**1193 W**					
TO-15	Tetrachloroethene	272	ug/m3	12.1	12/04/20 13:34	
10539883013	**1201 E**					
TO-15	Tetrachloroethene	116	ug/m3	1.1	12/03/20 22:40	
TO-15	Trichloroethene	0.83J	ug/m3	0.85	12/03/20 22:40	
10539883014	**1201 W**					
TO-15	Tetrachloroethene	369	ug/m3	12.1	12/04/20 15:52	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Sample: 1159 S **Lab ID: 10539883001** Collected: 11/16/20 09:10 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/04/20 03:08	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/04/20 03:08	156-60-5	
Tetrachloroethene	**5110**	ug/m3	289	91.1	420		12/04/20 17:44	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/04/20 03:08	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/04/20 03:08	75-01-4	

Sample: 1159 N **Lab ID: 10539883002** Collected: 11/16/20 09:53 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/04/20 03:48	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/04/20 03:48	156-60-5	
Tetrachloroethene	**1310**	ug/m3	36.2	11.4	52.5		12/04/20 16:29	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/04/20 03:48	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/04/20 03:48	75-01-4	

Sample: 1171 S **Lab ID: 10539883003** Collected: 11/16/20 11:16 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.27**	ug/m3	1.5	0.27	1.92		12/04/20 04:29	156-59-2	
trans-1,2-Dichloroethene	**<0.33**	ug/m3	1.5	0.33	1.92		12/04/20 04:29	156-60-5	
Tetrachloroethene	**1190**	ug/m3	39.7	12.5	57.6		12/04/20 17:06	127-18-4	
Trichloroethene	**<0.37**	ug/m3	1.0	0.37	1.92		12/04/20 04:29	79-01-6	
Vinyl chloride	**<0.17**	ug/m3	0.50	0.17	1.92		12/04/20 04:29	75-01-4	

Sample: 1171 N **Lab ID: 10539883004** Collected: 11/16/20 11:45 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.27**	ug/m3	1.5	0.27	1.92		12/04/20 05:10	156-59-2	
trans-1,2-Dichloroethene	**<0.33**	ug/m3	1.5	0.33	1.92		12/04/20 05:10	156-60-5	
Tetrachloroethene	**77.3**	ug/m3	1.3	0.42	1.92		12/04/20 05:10	127-18-4	
Trichloroethene	**<0.37**	ug/m3	1.0	0.37	1.92		12/04/20 05:10	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Sample: 1171 N **Lab ID: 10539883004** Collected: 11/16/20 11:45 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Vinyl chloride	**<0.17**	ug/m3	0.50	0.17	1.92		12/04/20 05:10	75-01-4	

Sample: 1181 E **Lab ID: 10539883005** Collected: 11/16/20 12:50 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.20**	ug/m3	1.2	0.20	1.44		12/04/20 05:51	156-59-2	
trans-1,2-Dichloroethene	**<0.24**	ug/m3	1.2	0.24	1.44		12/04/20 05:51	156-60-5	
Tetrachloroethene	**33.1**	ug/m3	0.99	0.31	1.44		12/04/20 05:51	127-18-4	
Trichloroethene	**1.3**	ug/m3	0.79	0.28	1.44		12/04/20 05:51	79-01-6	
Vinyl chloride	**<0.12**	ug/m3	0.37	0.12	1.44		12/04/20 05:51	75-01-4	

Sample: 1181 W **Lab ID: 10539883006** Collected: 11/16/20 13:30 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.26**	ug/m3	1.5	0.26	1.83		12/04/20 06:31	156-59-2	
trans-1,2-Dichloroethene	**<0.31**	ug/m3	1.5	0.31	1.83		12/04/20 06:31	156-60-5	
Tetrachloroethene	**54.6**	ug/m3	1.3	0.40	1.83		12/04/20 06:31	127-18-4	
Trichloroethene	**<0.35**	ug/m3	1.0	0.35	1.83		12/04/20 06:31	79-01-6	
Vinyl chloride	**<0.16**	ug/m3	0.48	0.16	1.83		12/04/20 06:31	75-01-4	

Sample: 1191 E **Lab ID: 10539883007** Collected: 11/16/20 14:45 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.25**	ug/m3	1.4	0.25	1.79		12/04/20 07:12	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.79		12/04/20 07:12	156-60-5	
Tetrachloroethene	**69.2**	ug/m3	1.2	0.39	1.79		12/04/20 07:12	127-18-4	
Trichloroethene	**<0.34**	ug/m3	0.98	0.34	1.79		12/04/20 07:12	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.47	0.15	1.79		12/04/20 07:12	75-01-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Sample: 1191 W **Lab ID: 10539883008** Collected: 11/16/20 15:15 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.68		12/04/20 07:53	156-59-2	
trans-1,2-Dichloroethene	**<0.29**	ug/m3	1.4	0.29	1.68		12/04/20 07:53	156-60-5	
Tetrachloroethene	**248**	ug/m3	1.2	0.36	1.68		12/04/20 07:53	127-18-4	
Trichloroethene	**<0.32**	ug/m3	0.92	0.32	1.68		12/04/20 07:53	79-01-6	
Vinyl chloride	**<0.14**	ug/m3	0.44	0.14	1.68		12/04/20 07:53	75-01-4	

Sample: 1197 E **Lab ID: 10539883009** Collected: 11/16/20 16:20 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/04/20 19:46	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/04/20 19:46	156-60-5	
Tetrachloroethene	**42.6**	ug/m3	1.2	0.38	1.75		12/04/20 19:46	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/04/20 19:46	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/04/20 19:46	75-01-4	

Sample: 1197 W **Lab ID: 10539883010** Collected: 11/16/20 16:47 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.23**	ug/m3	1.3	0.23	1.61		12/04/20 18:25	156-59-2	
trans-1,2-Dichloroethene	**<0.27**	ug/m3	1.3	0.27	1.61		12/04/20 18:25	156-60-5	
Tetrachloroethene	**204**	ug/m3	1.1	0.35	1.61		12/04/20 18:25	127-18-4	
Trichloroethene	**<0.31**	ug/m3	0.88	0.31	1.61		12/04/20 18:25	79-01-6	
Vinyl chloride	**<0.14**	ug/m3	0.42	0.14	1.61		12/04/20 18:25	75-01-4	

Sample: 1193 E **Lab ID: 10539883011** Collected: 11/17/20 12:50 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/03/20 19:17	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/03/20 19:17	156-60-5	
Tetrachloroethene	**125**	ug/m3	1.2	0.38	1.75		12/03/20 19:17	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/03/20 19:17	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Sample: 1193 E **Lab ID: 10539883011** Collected: 11/17/20 12:50 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/03/20 19:17	75-01-4	

Sample: 1193 W **Lab ID: 10539883012** Collected: 11/17/20 13:40 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/03/20 22:00	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/03/20 22:00	156-60-5	
Tetrachloroethene	**272**	ug/m3	12.1	3.8	17.5		12/04/20 13:34	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/03/20 22:00	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/03/20 22:00	75-01-4	

Sample: 1201 E **Lab ID: 10539883013** Collected: 11/17/20 19:04 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.22**	ug/m3	1.2	0.22	1.55		12/03/20 22:40	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.55		12/03/20 22:40	156-60-5	
Tetrachloroethene	**116**	ug/m3	1.1	0.34	1.55		12/03/20 22:40	127-18-4	
Trichloroethene	**0.83J**	ug/m3	0.85	0.30	1.55		12/03/20 22:40	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.55		12/03/20 22:40	75-01-4	

Sample: 1201 W **Lab ID: 10539883014** Collected: 11/17/20 19:22 Received: 11/19/20 15:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.24**	ug/m3	1.4	0.24	1.75		12/03/20 20:38	156-59-2	
trans-1,2-Dichloroethene	**<0.30**	ug/m3	1.4	0.30	1.75		12/03/20 20:38	156-60-5	
Tetrachloroethene	**369**	ug/m3	12.1	3.8	17.5		12/04/20 15:52	127-18-4	
Trichloroethene	**<0.33**	ug/m3	0.96	0.33	1.75		12/03/20 20:38	79-01-6	
Vinyl chloride	**<0.15**	ug/m3	0.46	0.15	1.75		12/03/20 20:38	75-01-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

QC Batch: 714143
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10539883001, 10539883002, 10539883003, 10539883004, 10539883005, 10539883006, 10539883007, 10539883008, 10539883011, 10539883012, 10539883013, 10539883014

METHOD BLANK: 3812157 Matrix: Air
Associated Lab Samples: 10539883001, 10539883002, 10539883003, 10539883004, 10539883005, 10539883006, 10539883007, 10539883008, 10539883011, 10539883012, 10539883013, 10539883014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.14	0.81	12/03/20 12:31	
Tetrachloroethene	ug/m3	<0.22	0.69	12/03/20 12:31	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	12/03/20 12:31	
Trichloroethene	ug/m3	<0.19	0.55	12/03/20 12:31	
Vinyl chloride	ug/m3	<0.086	0.26	12/03/20 12:31	

LABORATORY CONTROL SAMPLE: 3812158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	41.6	45.5	109	70-132	
Tetrachloroethene	ug/m3	71	71.8	101	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	46.9	111	70-132	
Trichloroethene	ug/m3	56.3	57.9	103	70-132	
Vinyl chloride	ug/m3	26.7	29.2	109	68-141	

SAMPLE DUPLICATE: 3813160

Parameter	Units	10539883011 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.24	<0.24		25	
Tetrachloroethene	ug/m3	125	124	1	25	
trans-1,2-Dichloroethene	ug/m3	<0.30	<0.30		25	
Trichloroethene	ug/m3	<0.33	<0.33		25	
Vinyl chloride	ug/m3	<0.15	<0.15		25	

SAMPLE DUPLICATE: 3813164

Parameter	Units	10539883014 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.24	<0.24		25	
Tetrachloroethene	ug/m3	369	461	22	25	E
trans-1,2-Dichloroethene	ug/m3	<0.30	<0.30		25	
Trichloroethene	ug/m3	<0.33	<0.33		25	
Vinyl chloride	ug/m3	<0.15	<0.15		25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

QC Batch: 714372
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10539883009, 10539883010

METHOD BLANK: 3813191 Matrix: Air
Associated Lab Samples: 10539883009, 10539883010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.14	0.81	12/04/20 10:50	
Tetrachloroethene	ug/m3	<0.22	0.69	12/04/20 10:50	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	12/04/20 10:50	
Trichloroethene	ug/m3	<0.19	0.55	12/04/20 10:50	
Vinyl chloride	ug/m3	<0.086	0.26	12/04/20 10:50	

LABORATORY CONTROL SAMPLE: 3813192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	41.6	45.7	110	70-132	
Tetrachloroethene	ug/m3	71	70.4	99	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	46.8	111	70-132	
Trichloroethene	ug/m3	56.3	58.0	103	70-132	
Vinyl chloride	ug/m3	26.7	30.2	113	68-141	

SAMPLE DUPLICATE: 3814022

Parameter	Units	10540870001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.19	<0.19		25	
Tetrachloroethene	ug/m3	<0.30	<0.30		25	
trans-1,2-Dichloroethene	ug/m3	<0.24	<0.24		25	
Trichloroethene	ug/m3	<0.27	<0.27		25	
Vinyl chloride	ug/m3	<0.12	<0.12		25	

SAMPLE DUPLICATE: 3814023

Parameter	Units	10540870003 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.22	<0.22		25	
Tetrachloroethene	ug/m3	<0.34	<0.34		25	
trans-1,2-Dichloroethene	ug/m3	<0.27	<0.27		25	
Trichloroethene	ug/m3	<0.30	<0.30		25	
Vinyl chloride	ug/m3	<0.14	<0.14		25	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

SAMPLE QUALIFIERS

Sample: 10539883001
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883002
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883003
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883004
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883005
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883006
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883007
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883008
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883011
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883012
[1] Analysis performed at 1800 Elm Street.

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

QUALIFIERS

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

SAMPLE QUALIFIERS

Sample: 10539883013
[1] Analysis performed at 1800 Elm Street.
Sample: 10539883014
[1] Analysis performed at 1800 Elm Street.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25211374.53 Laundry Land-Revised Report
Pace Project No.: 10539883

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10539883001	**1159 S**	TO-15	714143		
10539883002	**1159 N**	TO-15	714143		
10539883003	**1171 S**	TO-15	714143		
10539883004	**1171 N**	TO-15	714143		
10539883005	**1181 E**	TO-15	714143		
10539883006	**1181 W**	TO-15	714143		
10539883007	**1191 E**	TO-15	714143		
10539883008	**1191 W**	TO-15	714143		
10539883009	**1197 E**	TO-15	714372		
10539883010	**1197 W**	TO-15	714372		
10539883011	**1193 E**	TO-15	714143		
10539883012	**1193 W**	TO-15	714143		
10539883013	**1201 E**	TO-15	714143		
10539883014	**1201 W**	TO-15	714143		

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUS

The Chain-of-Custody is a LEGAL DOCUMI

WO# : 10539883

10539883

41202

Page: 1 of 2

Section A
Required Client Information:

Company: SCS Engineers
Address: 2830 Dairy Drive
Madison, WI 53718
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Robert Langdon
Copy To:
Purchase Order No.:
Project Name: Laundry Land
Project Number: 25211374.53

Section C
Invoice Information:

Attention: Robert Langdon
Company Name: SCS Engineers
Address: 2830 Dairy DR, Madison WI 53718
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 32630

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

Location of Sampling by State: WI

Reporting Units
ug/m³ ___ mg/m³ ___
PPBV X 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	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	1159 S	6LC	950	11/16	840	11/16	910	28	8	263	1587						X				01
2	1159 N		364		923		953	28.5	8	17068	0993						X				02
3	1171 S		851		1040		1116	29	10	3796	0925						X				03
4	1171 N		399		1110		1145	29	10	1569	1512						X				04
5	1181 E		3,462		1220		1250	23	1	521	0835						X				05
6	1181 W		315		1300		1330	29	8.5	6462	0629						X				06
7	1191 E		1,000		1415		1445	28	7.5	16370	7734						X				07
8	1191 W		780		1445		1515	28	6	8041	6435						X				08
9	1197 E		282		1550		1620	28	7	689	1170						X				09
10	1197 W		6118	↓	1617	↓	1647	28	5	16187	1767						X				010
11	1193 E		534	11/17	1220	11/17	1250	29.5	8	4241	6117						X				011
12	1193 W	↓	5,093	↓	1310	↓	1340	30	8	5752	2332						X				012

Comments: * Analyze for PCE, TCE, cis 1,2 DCE, trans-1,2 DCE, and vinyl chloride

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Robert Langdon/SCS	11/18/20	1500	PACE	11.19.20	1505

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Robert Langdon
SIGNATURE of SAMPLER:
DATE Signed (MM / DD / YY): 11/18/20

ORIGINAL

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

41227

Section A Required Client Information:

Company: SCS Engineers
Address: 2830 Dairy Dr Madison, WI 53718
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Robert Langdon
Copy To:
Purchase Order No.:
Project Name: Laundry Land
Project Number: 25211374.53

Section C Invoice Information:

Attention: Robert Langdon
Company Name: SCS Engineers
Address: 2830 Dairy Dr Madison WI 53718
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 32630

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

Location of Sampling by State: WI

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	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	1201 E	6LC	755 PPB	11/17/20	1826	11/17/20	1904	-28	-9	1530	22831							X			013
2	1201 W	↓	350	↓	1852	11/17/20	1922	-29	-7.5	2807	07866							X			014
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments: * Analyze for PCE, TCE, cis 12 DCE, trans 12 DCE and vinyl chloride

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Robert Langdon/SCS	11/19/20	1500	PACE	11.19.20	1505

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
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Robert Langdon

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

ORIGINAL

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

Pace Analytical	Document Name: Sample Condition Upon Receipt (SCUR) - Air	Document Revised: 24Mar2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0113 Rev.00	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt **Client Name:** SCS ENG. **Project #:**

WO#: 10539883
PM: KNH Due Date: 11/30/20
CLIENT: SCS Engineer

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Pace [ ] SpeeDee [ ] Commercial **See Exception** [X]

Tracking Number:

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

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] Foam [ ] None [ ] Tin Can [ ] Other: **Temp Blank rec:** [ ] Yes [X] No

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

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 11-19-20 CMY

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

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

Gauge # [ ] 10AIR26 [X] 10AIR34 [ ] 10AIR35 [ ] 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	11-19-20 Sample Number CMY	Can ID	Flow Controller	Initial Pressure	Final Pressure
1159 S	0263	1587	-7	+5	1197 WE	0689	1170	-7	+5
1159 N	1708	0993	-7	+5	1197 W	1618	1767	-5.5	+5
1171 S	3796	0925	-9	+5	1193 E	0424	1617	-7	+5
1171 N	1569	1512	-9	+5	1193 W	0575	2332	-7	+5
1181 E	0521	0835	-2	+5	1201 E	1530	2281	-4	+5
1181 W	0646	0629	-8	+5	1201 W	2807	0786	-7	+5
1191 E	1637	0734	-7.5	+5					
1191 W	0804	1635	-6	+5					

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Kirsten Hoffberg **Date:** 11/20/2020

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)

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

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

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

No Temp Blank		
Read Temp	Corrected Temp	Average Temp

Tracking Number/Temperature	
1723 2547 4393	
" 4382	
" 4956	
" 4967	

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

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

Comments:

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883001
Client Sample ID: 1159 S

ProjSampleNum: 10539883001
Matrix: Air

Date Collected: 11/16/20 9:10
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/04/20 3:08	AFV	156-59-2	
Tetrachloroethene	741	ppbv	41.9	420	12/04/20 17:44	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/04/20 3:08	AFV	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/04/20 3:08	AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/04/20 3:08	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT
Units Conversion Request

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883002
Client Sample ID: 1159 N

ProjSampleNum: 10539883002
Matrix: Air

Date Collected: 11/16/20 9:53
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/04/20 3:48	AFV	156-59-2	
Tetrachloroethene	190	ppbv	5.3	52.5	12/04/20 16:29	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/04/20 3:48	AFV	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/04/20 3:48	AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/04/20 3:48	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883003
Client Sample ID: 1171 S

ProjSampleNum: 10539883003
Matrix: Air

Date Collected: 11/16/20 11:16
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.067	ppbv	0.37	1.92	12/04/20 4:29	AFV	156-59-2	
Tetrachloroethene	173	ppbv	5.8	57.6	12/04/20 17:06	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.082	ppbv	0.37	1.92	12/04/20 4:29	AFV	156-60-5	
Trichloroethene	<0.068	ppbv	0.18	1.92	12/04/20 4:29	AFV	79-01-6	
Vinyl chloride	<0.065	ppbv	0.19	1.92	12/04/20 4:29	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883004
Client Sample ID: 1171 N

ProjSampleNum: 10539883004
Matrix: Air

Date Collected: 11/16/20 11:45
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.067	ppbv	0.37	1.92	12/04/20 5:10	AFV	156-59-2	
Tetrachloroethene	11.2	ppbv	0.19	1.92	12/04/20 5:10	AFV	127-18-4	
trans-1,2-Dichloroethene	<0.082	ppbv	0.37	1.92	12/04/20 5:10	AFV	156-60-5	
Trichloroethene	<0.068	ppbv	0.18	1.92	12/04/20 5:10	AFV	79-01-6	
Vinyl chloride	<0.065	ppbv	0.19	1.92	12/04/20 5:10	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883005
Client Sample ID: 1181 E

ProjSampleNum: 10539883005
Matrix: Air

Date Collected: 11/16/20 12:50
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.05	ppbv	0.3	1.44	12/04/20 5:51 AFV	156-59-2	
Tetrachloroethene	4.8	ppbv	0.14	1.44	12/04/20 5:51 AFV	127-18-4	
trans-1,2-Dichloroethene	<0.06	ppbv	0.3	1.44	12/04/20 5:51 AFV	156-60-5	
Trichloroethene	0.24	ppbv	0.14	1.44	12/04/20 5:51 AFV	79-01-6	
Vinyl chloride	<0.046	ppbv	0.14	1.44	12/04/20 5:51 AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883006
Client Sample ID: 1181 W

ProjSampleNum: 10539883006
Matrix: Air

Date Collected: 11/16/20 13:30
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.065	ppbv	0.37	1.83	12/04/20 6:31 AFV	156-59-2	
Tetrachloroethene	7.9	ppbv	0.19	1.83	12/04/20 6:31 AFV	127-18-4	
trans-1,2-Dichloroethene	<0.077	ppbv	0.37	1.83	12/04/20 6:31 AFV	156-60-5	
Trichloroethene	<0.064	ppbv	0.18	1.83	12/04/20 6:31 AFV	79-01-6	
Vinyl chloride	<0.062	ppbv	0.18	1.83	12/04/20 6:31 AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883007
Client Sample ID: 1191 E

ProjSampleNum: 10539883007
Matrix: Air

Date Collected: 11/16/20 14:45
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.062	ppbv	0.35	1.79	12/04/20 7:12	AFV	156-59-2	
Tetrachloroethene	10	ppbv	0.17	1.79	12/04/20 7:12	AFV	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.79	12/04/20 7:12	AFV	156-60-5	
Trichloroethene	<0.062	ppbv	0.18	1.79	12/04/20 7:12	AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.79	12/04/20 7:12	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883008
Client Sample ID: 1191 W

ProjSampleNum: 10539883008
Matrix: Air

Date Collected: 11/16/20 15:15
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.68	12/04/20 7:53 AFV	156-59-2	
Tetrachloroethene	36	ppbv	0.17	1.68	12/04/20 7:53 AFV	127-18-4	
trans-1,2-Dichloroethene	<0.072	ppbv	0.35	1.68	12/04/20 7:53 AFV	156-60-5	
Trichloroethene	<0.059	ppbv	0.17	1.68	12/04/20 7:53 AFV	79-01-6	
Vinyl chloride	<0.054	ppbv	0.17	1.68	12/04/20 7:53 AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883009
Client Sample ID: 1197 E

ProjSampleNum: 10539883009
Matrix: Air

Date Collected: 11/16/20 16:20
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/04/20 19:46	MJL	156-59-2	
Tetrachloroethene	6.2	ppbv	0.17	1.75	12/04/20 19:46	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/04/20 19:46	MJL	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/04/20 19:46	MJL	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/04/20 19:46	MJL	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883010
Client Sample ID: 1197 W

ProjSampleNum: 10539883010
Matrix: Air

Date Collected: 11/16/20 16:47
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.057	ppbv	0.32	1.61	12/04/20 18:25	MJL	156-59-2	
Tetrachloroethene	29.6	ppbv	0.16	1.61	12/04/20 18:25	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.067	ppbv	0.32	1.61	12/04/20 18:25	MJL	156-60-5	
Trichloroethene	<0.057	ppbv	0.16	1.61	12/04/20 18:25	MJL	79-01-6	
Vinyl chloride	<0.054	ppbv	0.16	1.61	12/04/20 18:25	MJL	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883011
Client Sample ID: 1193 E

ProjSampleNum: 10539883011
Matrix: Air

Date Collected: 11/17/20 12:50
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/03/20 19:17 AFV	156-59-2	
Tetrachloroethene	18.1	ppbv	0.17	1.75	12/03/20 19:17 AFV	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/03/20 19:17 AFV	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/03/20 19:17 AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/03/20 19:17 AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883012
Client Sample ID: 1193 W

ProjSampleNum: 10539883012
Matrix: Air

Date Collected: 11/17/20 13:40
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/03/20 22:00	AFV	156-59-2	
Tetrachloroethene	39.5	ppbv	1.8	17.5	12/04/20 13:34	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/03/20 22:00	AFV	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/03/20 22:00	AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/03/20 22:00	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883013
Client Sample ID: 1201 E

ProjSampleNum: 10539883013
Matrix: Air

Date Collected: 11/17/20 19:04
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.055	ppbv	0.3	1.55	12/03/20 22:40	AFV	156-59-2	
Tetrachloroethene	16.8	ppbv	0.16	1.55	12/03/20 22:40	AFV	127-18-4	
trans-1,2-Dichloroethene	<0.065	ppbv	0.3	1.55	12/03/20 22:40	AFV	156-60-5	
Trichloroethene	0.15J	ppbv	0.16	1.55	12/03/20 22:40	AFV	79-01-6	
Vinyl chloride	<0.05	ppbv	0.15	1.55	12/03/20 22:40	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

Lab Sample No: 10539883014
Client Sample ID: 1201 W

ProjSampleNum: 10539883014
Matrix: Air

Date Collected: 11/17/20 19:22
Date Received: 11/19/20 15:05

Air

TO-15

Parameters	Results	Units	Report Limit	DF	Analyzed		CAS No.	Qualifiers
cis-1,2-Dichloroethene	<0.06	ppbv	0.35	1.75	12/03/20 20:38	AFV	156-59-2	
Tetrachloroethene	53.5	ppbv	1.8	17.5	12/04/20 15:52	MJL	127-18-4	
trans-1,2-Dichloroethene	<0.074	ppbv	0.35	1.75	12/03/20 20:38	AFV	156-60-5	
Trichloroethene	<0.06	ppbv	0.18	1.75	12/03/20 20:38	AFV	79-01-6	
Vinyl chloride	<0.058	ppbv	0.18	1.75	12/03/20 20:38	AFV	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

PARAMETER FOOTNOTES

PUB-RR-892
Feb 2014

Wisconsin DNR vapor intrusion quick facts

What is Vapor Intrusion?

Chemicals used in commercial or industrial activities – dry cleaning chemicals, chemical degreasers and petroleum products such as gasoline – are sometimes spilled and leak into nearby soil or groundwater. When this happens, these chemicals may release gases or vapors, which travel from the contaminated groundwater or soil and move into nearby homes or businesses. This is called vapor intrusion.

The process when chemical vapors from contaminated soil or groundwater enter a home or other structure is called vapor intrusion.

Why are these chemical vapors a problem?

The chemicals that cause vapor intrusion are known as volatile organic compounds, or VOCs. Even when spilled into soil or water, these chemicals easily evaporate. They don't cause human health problems when they evaporate into the outside air, but when their vapors move into homes or businesses, they may cause long-term health problems for the people who live or work in those buildings. These vapors are usually odorless and colorless and undetectable without special testing equipment.

Why is vapor intrusion a concern?

Exposure to some chemical gases or vapors can cause an increased risk of adverse health effects. Whether or not a person experiences any health effects depends on several factors, including the amount and length of exposure, the toxicity of the chemical, and the individual's sensitivity to the chemical. When harmful chemical vapor intrusion is the result of environmental contamination, the Wisconsin Department of Natural Resources (DNR) requires that steps be taken to reduce or eliminate exposures which could be harmful to human health.

What should I expect if vapor intrusion is suspected near my home or business?

For businesses or other locations where VOC contamination has been found, the DNR requires that the potential for vapor intrusion be investigated. If you live near a site being cleaned up, you may be contacted by the site owner or others working on the cleanup. Your cooperation and consent will be requested before any testing or sampling is conducted on your property. Ask the person contacting you any questions you have about the work being done, or contact the DNR for more information (see DNR contact information on reverse). For more information about testing for vapor intrusion, see DNR-Pub-RR-954, "What to Expect During Vapor Intrusion Sampling."

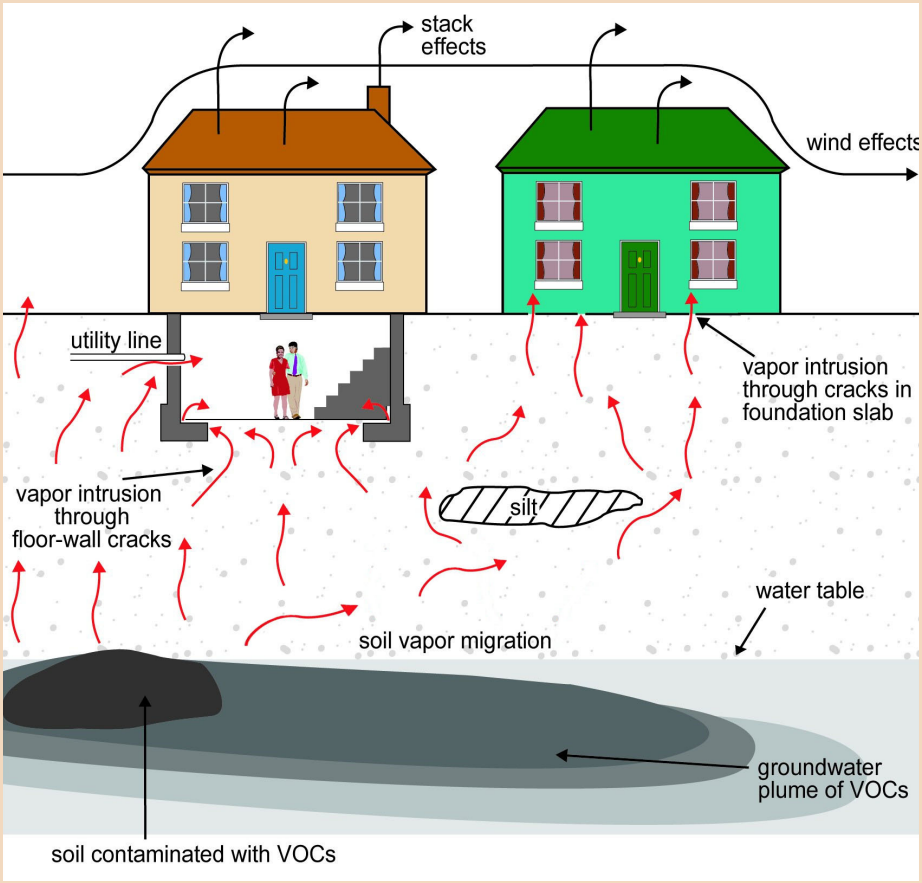
WISCONSIN DEPT. OF NATURAL RESOURCES

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

Environment Remediation and Redevelopment Program Redevelopment Partnership Cleanup

How Vapors Enter a Building

If you live near a commercial or industrial facility or landfill where VOCs have entered either the soil or groundwater, there may be a potential for those chemicals to travel as vapors into your home or business. Vapors can enter buildings in various ways, including through cracks in the foundation and openings for utility lines. Building ventilation and weather can influence the extent of vapor intrusion.



Adapted from U.S. Environmental Protection Agency (EPA) graphic.
www.epa.gov/oswer/vaporintrusion/basic.html

Where can I find more information?

Health and vapor-related information can be found at the Wisconsin Department of Health Services (DHS) website at **dhs.wisconsin.gov** , search "Vapor." For other health-related questions, please contact your local health department: **www.dhs.wisconsin.gov/localhealth**.

For more DNR information, please visit the DNR's Remediation and Redevelopment (RR) Program's Vapor Intrusion page at **dnr.wi.gov/topic/Brownfields/Vapor.html**.

Additional information can be obtained through the DNR field office in your region. To find the correct office, visit the RR Program Staff Contacts page at **dnr.wi.gov/topic/Brownfields/Contact.html** or call the RR Program at (608) 266-2111.