

From: [Schultz, Rebecca](#)
To: [Koepke, Cynthia L - DNR](#)
Subject: RE: Northgate Vapor and Air Sampling Results, Madison, WI
Date: Tuesday, January 5, 2021 9:12:55 AM

Hi Cindy,

The e-mail went to everyone in the mall, below is a list of businesses and my contact for each.

Dream Bikes: Matt Martinez,
Boomerangs: Lori Treibel, Bev Krizan
CSN: Dove Burghardt & Nate Stoudt
Weaver Auto: Leon Ganser
V Nails: Peter
Door Creek Church: David Smith
Anytime Fitness: Kyle Woulf
Madison Oriental Market: Kyle Lee, Cynthia Lee
Dog Dog Daycare: Tracey Hasz
Naly's Floral: Naly Jasengnou
H&R Block: Cushman & Wakefield Management
Falbos Pizza: Keith Maggot
UPS Store: Margo Dixon
VA: Jason Thilges
Noah's Ark Pet Center: Joe Lloyd
Kaylee's Garden Barb LaBarge
ARTS for All Wisconsin: Christina Martin-Wright

Sincerely,



Rebecca Schultz
Commercial Property Manager

2450 Rimrock Road, Ste. 100, Madison, WI 53713
p: 608.268.8101 w: www.alexandercompany.com

[historic preservation](#) | [urban revitalization](#) | [adaptive reuse](#)

From: Koepke, Cynthia L - DNR <Cynthia.Koepke@wisconsin.gov>
Sent: Tuesday, January 5, 2021 8:36 AM
To: Schultz, Rebecca <ras@alexandercompany.com>
Subject: RE: Northgate Vapor and Air Sampling Results, Madison, WI

[EXTERNAL SENDER]

Hi Rebecca,

Thanks for getting to this so quickly. Could you please give me a list of who this was sent to?

Thanks much!

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cindy Koepke, P.G.

NEW PHONE NUMBER: 608-219-2181

Email: cynthia.koepke@wisconsin.gov

From: Schultz, Rebecca <ras@alexandercompany.com>

Sent: Monday, January 4, 2021 11:40 AM

To: Schultz, Rebecca <ras@alexandercompany.com>

Cc: Alexander, Nic <npa@alexandercompany.com>; Sterling, Alex <ars@alexandercompany.com>; Socha, Betty <BSocha@scsengineers.com>; Koepke, Cynthia L - DNR <Cynthia.Koepke@wisconsin.gov>

Subject: Northgate Vapor and Air Sampling Results, Madison, WI

Alexander Company would like to thank everyone for their cooperation with the recent rounds of testing. SCS Engineers has shared the results received to date in the attached report. Similar to previous reports it is our duty to inform you of all test results. If you have any questions after your review of the attached, you can contact Cynthia Koepke, a hydrogeologist with the Wisconsin Department of Natural Resources. Cindy is the project manager for the DNR and is working closely with SCS Engineers and their continued remediation work. Cindy is copied to this message and her information is below. As always you can also contact Nic Alexander (cc'd to this message) or myself with questions regarding the property.

Cindy Koepke, P.G.

[she/her/hers]

Hydrogeologist – Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

South Central Region

3911 Fish Hatchery Road

Fitchburg WI 53711

Phone: 608-219-2181

Email: cynthia.koepke@wisconsin.gov

Sincerely,



Rebecca Schultz
Commercial Property Manager

2450 Rimrock Road, Ste. 100, Madison, WI 53713
p: 608.268.8101 w: www.alexandercompany.com

historic preservation | urban revitalization | adaptive reuse

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From: Schultz, Rebecca <ras@alexandercompany.com>
Sent: Monday, January 4, 2021 11:40 AM
To: Schultz, Rebecca
Cc: Alexander, Nic; Sterling, Alex; Socha, Betty; Koepke, Cynthia L - DNR
Subject: Northgate Vapor and Air Sampling Results, Madison, WI
Attachments: 201230_Alexander_Vapor Monitoring Results.pdf

Alexander Company would like to thank everyone for their cooperation with the recent rounds of testing. SCS Engineers has shared the results received to date in the attached report. Similar to previous reports it is our duty to inform you of all test results. If you have any questions after your review of the attached, you can contact Cynthia Koepke, a hydrogeologist with the Wisconsin Department of Natural Resources. Cindy is the project manager for the DNR and is working closely with SCS Engineers and their continued remediation work. Cindy is copied to this message and her information is below. As always you can also contact Nic Alexander (cc'd to this message) or myself with questions regarding the property.

Cindy Koepke, P.G.

[she/her/hers]

Hydrogeologist – Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Road
Fitchburg WI 53711
Phone: 608-219-2181
Email: cynthia.koepke@wisconsin.gov

Sincerely,



Rebecca Schultz
Commercial Property
Manager

2450 Rimrock Road, Ste. 100, Madison, WI 53713
p: 608.268.8101 w: www.alexandercompany.com

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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.



Ms. Rebecca Schultz
December 30, 2020
Page 2

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. Jeremiah 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:

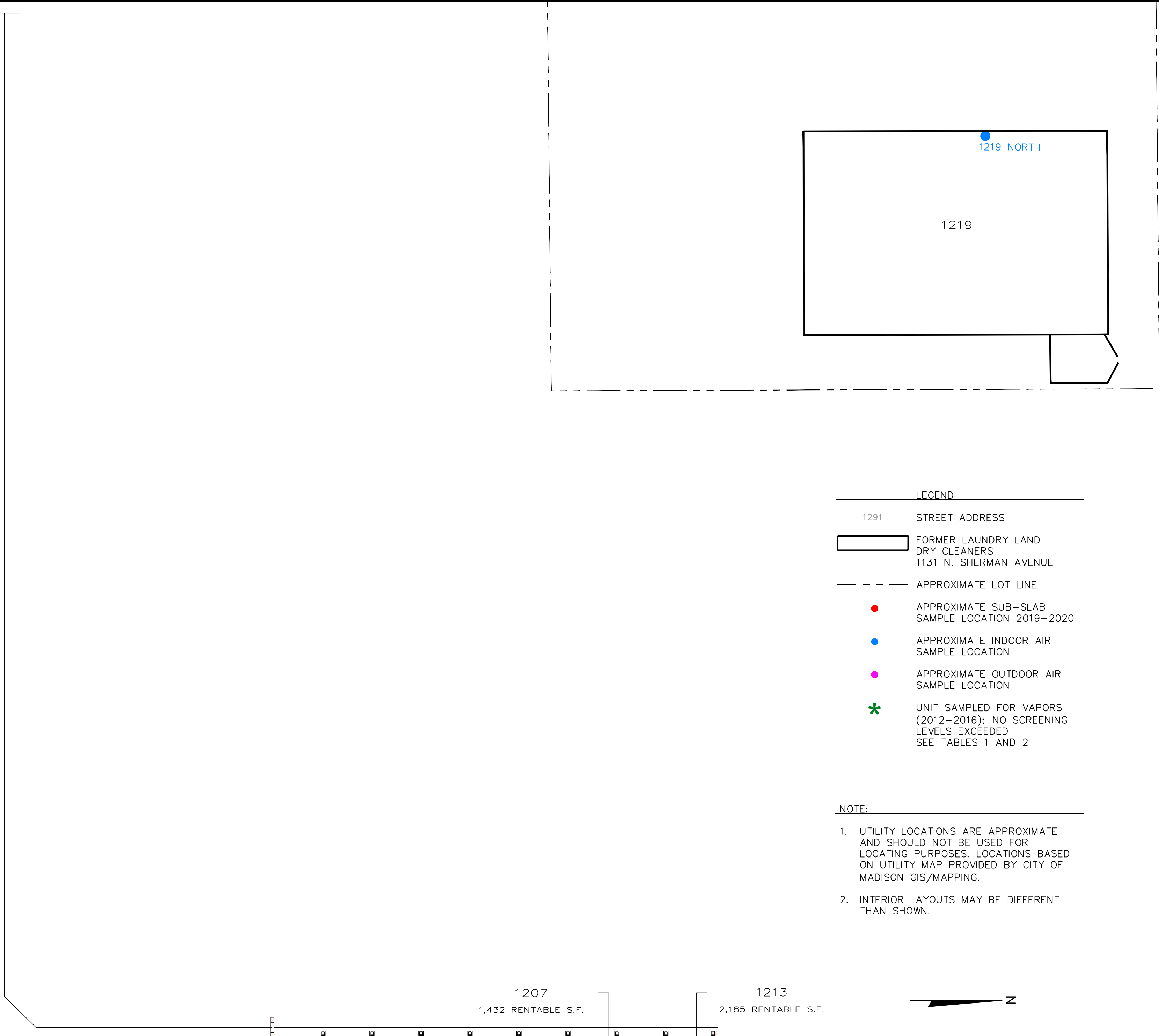
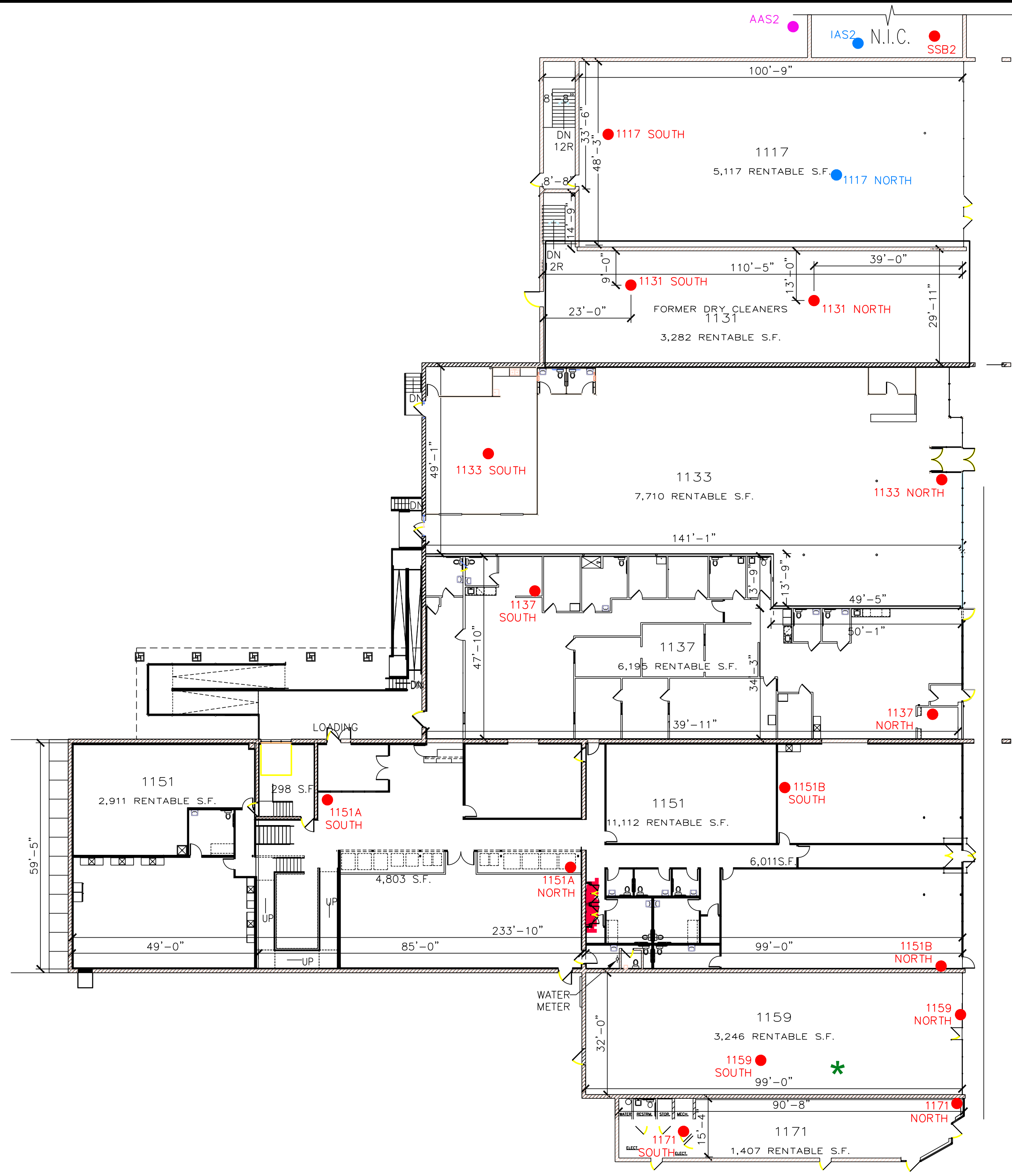
J = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

(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
 Last Rev by: JSN
 Checked by: AJR
 Proj Mgr QA/QC: BJS

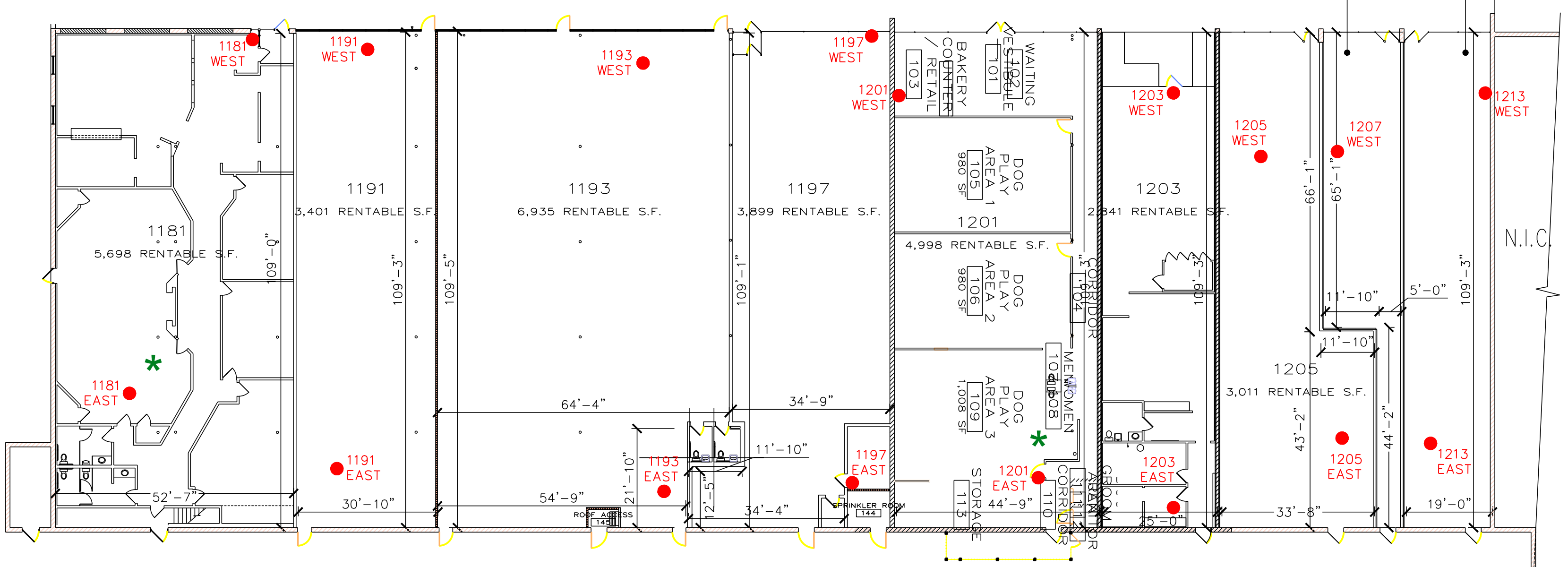
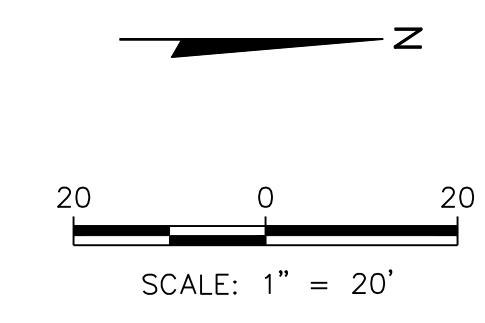
Date: 10/26/2012
 Date: 12/11/2020
 Date: 12/14/2020
 Date: 12/14/2020

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.



SCS ENGINEERS, INC. 12/20/2020 11:11 AM

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.

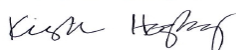
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- 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



REPORT OF LABORATORY ANALYSIS

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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 Certification #: 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 ().

REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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

REPORT OF LABORATORY ANALYSIS

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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

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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

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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	

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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

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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

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QUALITY CONTROL DATA

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

QC Batch: 714143 Analysis Method: TO-15
QC Batch 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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

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

QC Batch: 714372	Analysis Method: TO-15
QC Batch 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	

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REPORT OF LABORATORY ANALYSIS

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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.

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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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

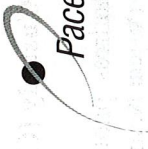
Project: 25211374.53 Laundry Land-Revised Report

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		

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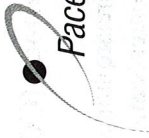
AIR: CHAIN-OF-CUSTODY
The Chain-of-Custody is a LEGAL DOCUMENT

WO# : 10539883



10539883

Section A Required Client Information: Company: <u>SCS Engineers</u> Address: <u>2830 Dairy Drive</u> Email To: <u>Madison.WI@SCS</u> Phone: _____ Fax: _____ Requested Due Date/TAT: _____		Section B Required Project Information: Report To: <u>Robert Langdon</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>Laundry Land</u> Project Number: <u>25211374-53</u>		Section C Invoice Information: Attention: <u>Robert Langdon</u> Company Name: <u>SCS Engineers</u> Address: <u>2830 Dairy Dr, Madison WI</u> Pace Quote Reference: <u>53718</u> Pace Project Manager/Sales Rep. _____ Pace Profile #: <u>32630</u>		Page: <u>1</u> of <u>2</u> 41202									
Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE		COLLECTED MEDIA CODE Valid Media Codes TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10		PID Reading (Client only) DATE TIME COMPOSITE START COMPOSITE END/GRAB		Canister Pressure (Initial Field - In Hg) Canister Pressure (Final Field - In Hg) Summa Can Number Flow Control Number		Method: PM10 TO-3 Fixed Gas (%) TO-3M Methane TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorob TO-15 Short List (other)		Reporting Units ug/m ³ PPBV PMW Other		Location of Sampling by State WI Report Level I. II. III. IV. Other		Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
# ITEM 1 1159 S 2 1159 N 3 1171 S 4 1171 N 5 1181 E 6 1181 W 7 1191 E 8 1191 W 9 1197 E 10 1197 W 11 1193 E 12 1193 W		MEDIA CODE 66050 804 851 899 912 915 1000 780 182 618 511 5178		DATE TIME 11/16 840 923 1040 1110 1220 1300 1415 1445 1550 1617 1220/17 1310		DATE TIME 11/16 910 983 1116 1145 1250 1330 1445 1515 1620 1647 1250/17 1340		DATE TIME 11/16 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500		ACCEPTED BY / AFFILIATION Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon		DATE 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20		SAMPLE CONDITIONS Temp in °C Received on Ice Custody Sealed Cooler Samples Intact	
Comments: * Analyze for PCBs, TCE, cis 1,2 DCE, Trans-1,2 DCE, and Vinyl chloride		RELINQUISHED BY / AFFILIATION Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon		DATE 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20 11/18/20		DATE 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20		ACCEPTED BY / AFFILIATION Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon Robert Langdon		DATE 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20 11-19-20		SAMPLE CONDITIONS Temp in °C Received on Ice Custody Sealed Cooler Samples Intact			
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Robert Langdon SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YY) 11/18/20		SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Robert Langdon SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YY) 11/18/20									



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.

Section A
Required Client Information:

Company: *S&S Engineers*
 Address: *2830 Dairy Dr Madison, WI 53740*
 Email To:
 Phone:
 Fax:
 Reported Due Date/TAT:
 Project Name: *Laundry Land*
 Project Number: *15211374.53*
 Purchase Order No.:
 Project Manager/Sales Rep.:
 Pace Profile #: *92630*

Section B
Required Project Information:

Report To: *Robert Langford*
 Copy To:
 Attention: *Robert Langford*
 Company Name: *S&S Engineers*
 Address: *2830 Dairy Dr Madison WI 53740*
 Pace Quote Reference:
 Pace Project Manager/Sales Rep.:
 Report Level: II ___ III ___ IV ___ Other ___

Section C
Invoice Information:

41227 Page: 2 of 2

Section D Required Client Information
AIR SAMPLE ID
 Sample IDs MUST BE UNIQUE
1201E
1201W

Valid Media Codes

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

755 A

ITEM #	MEDIA CODE	PID Reading (Client only)	COLLECTED			Flow Control Number	Summa Can Number
			COMPOSITE START	COMPOSITE END	GRAV		
	DATE	TIME	DATE	TIME			
1	<i>6C-10</i>	<i>750</i>	<i>11/19/20</i>	<i>1404</i>	<i>28</i>	<i>15302281</i>	
2	<i>6C-10</i>	<i>750</i>	<i>11/19/20</i>	<i>1402</i>	<i>28</i>	<i>7528070786</i>	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Method: PM10

3C - Fixed Gas (%): TO-3 BTX, 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: *013*, *014*

Reporting Units: µg/m³, mg/m³, PPMV, PPMV, Other

Location of Sampling by State: *WI*

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

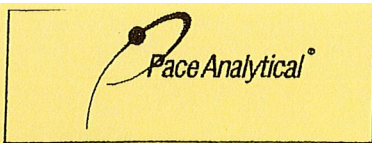
RELINQUISHED BY / AFFILIATION: *Robert Langford / S&S* DATE: *11/19/20* TIME: *1500*

ACCEPTED BY / AFFILIATION: *[Signature]* DATE: *11-19-20* TIME: *1505*

SAMPLER NAME AND SIGNATURE: *Robert Langford*

Print Name of SAMPLER: *Robert Langford*
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed (MM / DD / YY):

Comments: ** Analyze for PCB, PCB, C, 1, 2, D, E, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000*



Document Name: **Sample Condition Upon Receipt (SCUR) - Air**
 Document No.: **ENV-FRM-MIN4-0113 Rev.00**

Document Revised: **24Mar2020**
 Page 1 of 1
 Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt

Client Name: SCS ENA

Project #: _____

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

Courier: Fed Ex UPS USPS Client
 Pace SpeedDee Commercial See Exception

Tracking Number: _____

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

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

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

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

Type of ice Received Blue Wet None

Comments:

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

Gauge # 10AIR26 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 Hooper

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) Page 17 of 33



Document Name:
Sample Condition Upon Receipt (SCUR) Exception Form
 Document No.:
ENV-FRM-MIN4-0142 Rev.01

Document Revised: 04Jun2020
Page 1 of 1
 Pace Analytical Services -
Minneapolis

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers	PM Notified? <input type="checkbox"/> Yes <input type="checkbox"/> 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	4392
"		4382
"		4956
"		4967

Issue Type:	Container Type	# of Containers
Sample ID		

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
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> 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 Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883001 ProjSampleNum: 10539883001 Date Collected: 11/16/20 9:10
 Client Sample ID: 1159 S Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analized	CAS No.	Qualifiers
Air							
TO-15							
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 Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883003 ProjSampleNum: 10539883003 Date Collected: 11/16/20 11:16
 Client Sample ID: 1171 S Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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.

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 Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883004 ProjSampleNum: 10539883004 Date Collected: 11/16/20 11:45
 Client Sample ID: 1171 N Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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.

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	Lab Project Number: 10539883
Phone: 843.746.8525	Project Name: 25211374.53 Laundry Land
Lab Sample No: 10539883005	ProjSampleNum: 10539883005
Client Sample ID: 1181 E	Matrix: Air
	Date Collected: 11/16/20 12:50
	Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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.

SUPPLEMENTAL REPORT
 Units Conversion Request



Pace Analytical Services, LLC
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 Minneapolis, MN 55414
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 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883006 ProjSampleNum: 10539883006 Date Collected: 11/16/20 13:30
 Client Sample ID: 1181 W Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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.

SUPPLEMENTAL REPORT
 Units Conversion Request



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 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883007 ProjSampleNum: 10539883007 Date Collected: 11/16/20 14:45
 Client Sample ID: 1191 E Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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SUPPLEMENTAL REPORT
 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883008 ProjSampleNum: 10539883008 Date Collected: 11/16/20 15:15
 Client Sample ID: 1191 W Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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SUPPLEMENTAL REPORT
 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883009 ProjSampleNum: 10539883009 Date Collected: 11/16/20 16:20
 Client Sample ID: 1197 E Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883010 ProjSampleNum: 10539883010 Date Collected: 11/16/20 16:47
 Client Sample ID: 1197 W Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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SUPPLEMENTAL REPORT
 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883011 ProjSampleNum: 10539883011 Date Collected: 11/17/20 12:50
 Client Sample ID: 1193 E Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883012 ProjSampleNum: 10539883012 Date Collected: 11/17/20 13:40
 Client Sample ID: 1193 W Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers	Lab Project Number: 10539883
Phone: 843.746.8525	Project Name: 25211374.53 Laundry Land
Lab Sample No: 10539883013	ProjSampleNum: 10539883013
Client Sample ID: 1201 E	Matrix: Air
	Date Collected: 11/17/20 19:04
	Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
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Air
TO-15

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	

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Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers Lab Project Number: 10539883
 Phone: 843.746.8525 Project Name: 25211374.53 Laundry Land
 Lab Sample No: 10539883014 ProjSampleNum: 10539883014 Date Collected: 11/17/20 19:22
 Client Sample ID: 1201 W Matrix: Air Date Received: 11/19/20 15:05

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
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	

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SUPPLEMENTAL REPORT
 Units Conversion Request



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ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 843.746.8525

Lab Project Number: 10539883
Project Name: 25211374.53 Laundry Land

PARAMETER FOOTNOTES

SUPPLEMENTAL REPORT

Units Conversion Request

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.

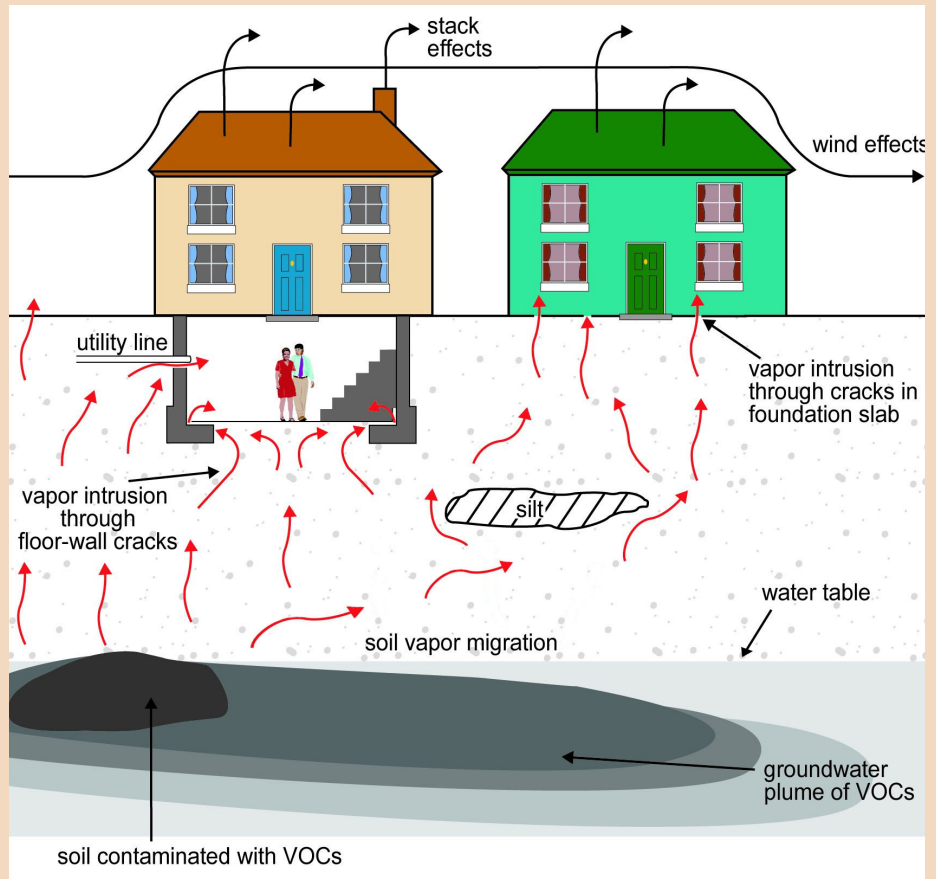
What should I expect if vapor intrusion is suspected near my home or business?

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."



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.

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of Interior, Washington, D.C. 20240. This publication is available in alternative format upon request. Please call 608-267-3543 for more information.