From: Susan Petrofske <SPETROFSKE@ramboll.com>
Sent: Wednesday, January 15, 2020 5:32 PM
To: Grittner, Paul V - DNR
Cc: Hedman, Curtis J - DHS; Jeanne Tarvin; Kristin Holloway Jones; Louis Meschede
Subject: BRRTS #: 02-41-183146 (EZ Paintr/Shur-Line)
Attachments: 10505145_frc.pdf; 1920 E Tesch- VAPOR ANALYTICAL RESULTS TABLE_20200115.pdf

Paul,

Attached are the results (laboratory analytical report and data table) from the sampling performed last week at 1920 E Tesch Avenue. There were a few compounds detected in the sub slab and indoor air samples, however none of the detected concentrations exceeded the applicable VRSL/VAL. We will provide you with a copy of the owner/tenant data transmittal letter tomorrow when it is available.

Please let us know if you have any questions in the interim.

Susan Petrofske

Managing Consultant

D +1 (262) 901-3501
spetrofske@ramboll.com

Ramboll
175 North Corporate Drive
Suite 160
Brookfield, WI 53045
USA
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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

January 15, 2020

Susan Petrofske
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Dear Susan Petrofske:
Enclosed are the analytical results for sample(s) received by the laboratory between January 13, 2020 and January 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

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

Enclosures

cc: Kyle Heimstead, Ramboll
Paul Lindquist, Ramboll

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CERTIFICATIONS

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Pace Analytical Services Minneapolis

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

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SAMPLE SUMMARY

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10505145001	**1920 E. Tesch IA-B**	Air	01/10/20 12:56	01/13/20 09:20
10505145002	**1920 E. Tesch IA-B cert 0033**	Air	01/10/20 12:56	01/13/20 09:20
10505145003	**1920 E. Tesch OA**	Air	01/10/20 12:58	01/13/20 09:20
10505145004	**1920 E. Tesch OA cert 2370**	Air	01/10/20 12:58	01/13/20 09:20
10505145005	**1920 E. Tesch Sump**	Air	01/10/20 14:09	01/13/20 09:20
10505145006	**1920 E. Tesch Sump cert 3514**	Air	01/10/20 14:09	01/13/20 09:20
10505145007	**Unused Can 1585**	Air		01/13/20 09:20
10505221001	**1920 E. Tesch SS-1**	Air	01/10/20 16:10	01/14/20 09:45
10505221002	**1920 E. Tesch SS-1 Cert 1681**	Air	01/10/20 16:10	01/14/20 09:45

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SAMPLE ANALYTE COUNT

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10505145001	**1920 E. Tesch IA-B**	TO-15	AC1	10	PASI-M
10505145002	**1920 E. Tesch IA-B cert 0033**	TO-15	AFV	9	PASI-M
10505145003	**1920 E. Tesch OA**	TO-15	AC1	10	PASI-M
10505145004	**1920 E. Tesch OA cert 2370**	TO-15	NCK	9	PASI-M
10505145005	**1920 E. Tesch Sump**	TO-15	AC1	10	PASI-M
10505145006	**1920 E. Tesch Sump cert 3514**	TO-15	CH1	9	PASI-M
10505221001	**1920 E. Tesch SS-1**	TO-15	MG2	10	PASI-M
10505221002	**1920 E. Tesch SS-1 Cert 1681**	TO-15	CH1	9	PASI-M

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ANALYTICAL RESULTS

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Sample: 1920 E. Tesch IA-B **Lab ID: 10505145001** Collected: 01/10/20 12:56 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.34**	ug/m3	1.2	0.34	1.49		01/14/20 03:00	75-34-3	
1,2-Dichloroethane	**0.93**	ug/m3	0.61	0.22	1.49		01/14/20 03:00	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/m3	1.2	0.41	1.49		01/14/20 03:00	75-35-4	
cis-1,2-Dichloroethene	**<0.33**	ug/m3	1.2	0.33	1.49		01/14/20 03:00	156-59-2	
trans-1,2-Dichloroethene	**<0.42**	ug/m3	1.2	0.42	1.49		01/14/20 03:00	156-60-5	
Tetrachloroethene	**<0.47**	ug/m3	1.0	0.47	1.49		01/14/20 03:00	127-18-4	
1,1,1-Trichloroethane	**<0.46**	ug/m3	1.7	0.46	1.49		01/14/20 03:00	71-55-6	
1,1,2-Trichloroethane	**<0.36**	ug/m3	0.83	0.36	1.49		01/14/20 03:00	79-00-5	
Trichloroethene	**0.96**	ug/m3	0.81	0.38	1.49		01/14/20 03:00	79-01-6	
Vinyl chloride	**0.94**	ug/m3	0.39	0.19	1.49		01/14/20 03:00	75-01-4	

Sample: 1920 E. Tesch IA-B cert 0033 **Lab ID: 10505145002** Collected: 01/10/20 12:56 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.11**	ug/m3	0.41	0.11	0.5		11/08/19 14:02	75-34-3	
1,1-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/08/19 14:02	75-35-4	
cis-1,2-Dichloroethene	**<0.11**	ug/m3	0.40	0.11	0.5		11/08/19 14:02	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/08/19 14:02	156-60-5	
Tetrachloroethene	**<0.16**	ug/m3	0.34	0.16	0.5		11/08/19 14:02	127-18-4	
1,1,1-Trichloroethane	**<0.15**	ug/m3	0.56	0.15	0.5		11/08/19 14:02	71-55-6	
1,1,2-Trichloroethane	**<0.12**	ug/m3	0.28	0.12	0.5		11/08/19 14:02	79-00-5	
Trichloroethene	**<0.13**	ug/m3	0.27	0.13	0.5		11/08/19 14:02	79-01-6	
Vinyl chloride	**<0.063**	ug/m3	0.13	0.063	0.5		11/08/19 14:02	75-01-4	

Sample: 1920 E. Tesch OA **Lab ID: 10505145003** Collected: 01/10/20 12:58 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.34**	ug/m3	1.2	0.34	1.49		01/14/20 03:28	75-34-3	
1,2-Dichloroethane	**<0.22**	ug/m3	0.61	0.22	1.49		01/14/20 03:28	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/m3	1.2	0.41	1.49		01/14/20 03:28	75-35-4	
cis-1,2-Dichloroethene	**<0.33**	ug/m3	1.2	0.33	1.49		01/14/20 03:28	156-59-2	
trans-1,2-Dichloroethene	**<0.42**	ug/m3	1.2	0.42	1.49		01/14/20 03:28	156-60-5	
Tetrachloroethene	**<0.47**	ug/m3	1.0	0.47	1.49		01/14/20 03:28	127-18-4	
1,1,1-Trichloroethane	**<0.46**	ug/m3	1.7	0.46	1.49		01/14/20 03:28	71-55-6	
1,1,2-Trichloroethane	**<0.36**	ug/m3	0.83	0.36	1.49		01/14/20 03:28	79-00-5	
Trichloroethene	**<0.38**	ug/m3	0.81	0.38	1.49		01/14/20 03:28	79-01-6	
Vinyl chloride	**<0.19**	ug/m3	0.39	0.19	1.49		01/14/20 03:28	75-01-4	

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ANALYTICAL RESULTS

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Sample: 1920 E. Tesch OA cert 2370 **Lab ID: 10505145004** Collected: 01/10/20 12:58 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.11**	ug/m3	0.41	0.11	0.5		11/08/19 10:22	75-34-3	
1,1-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/08/19 10:22	75-35-4	
cis-1,2-Dichloroethene	**<0.11**	ug/m3	0.40	0.11	0.5		11/08/19 10:22	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/08/19 10:22	156-60-5	
Tetrachloroethene	**<0.16**	ug/m3	0.34	0.16	0.5		11/08/19 10:22	127-18-4	
1,1,1-Trichloroethane	**<0.15**	ug/m3	0.56	0.15	0.5		11/08/19 10:22	71-55-6	
1,1,2-Trichloroethane	**<0.12**	ug/m3	0.28	0.12	0.5		11/08/19 10:22	79-00-5	
Trichloroethene	**<0.13**	ug/m3	0.27	0.13	0.5		11/08/19 10:22	79-01-6	
Vinyl chloride	**<0.063**	ug/m3	0.13	0.063	0.5		11/08/19 10:22	75-01-4	

Sample: 1920 E. Tesch Sump **Lab ID: 10505145005** Collected: 01/10/20 14:09 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.32**	ug/m3	1.2	0.32	1.44		01/14/20 03:56	75-34-3	
1,2-Dichloroethane	**<0.22**	ug/m3	0.59	0.22	1.44		01/14/20 03:56	107-06-2	
1,1-Dichloroethene	**<0.39**	ug/m3	1.2	0.39	1.44		01/14/20 03:56	75-35-4	
cis-1,2-Dichloroethene	**<0.32**	ug/m3	1.2	0.32	1.44		01/14/20 03:56	156-59-2	
trans-1,2-Dichloroethene	**<0.41**	ug/m3	1.2	0.41	1.44		01/14/20 03:56	156-60-5	
Tetrachloroethene	**<0.45**	ug/m3	0.99	0.45	1.44		01/14/20 03:56	127-18-4	
1,1,1-Trichloroethane	**<0.44**	ug/m3	1.6	0.44	1.44		01/14/20 03:56	71-55-6	
1,1,2-Trichloroethane	**<0.35**	ug/m3	0.80	0.35	1.44		01/14/20 03:56	79-00-5	
Trichloroethene	**<0.36**	ug/m3	0.79	0.36	1.44		01/14/20 03:56	79-01-6	
Vinyl chloride	**<0.18**	ug/m3	0.37	0.18	1.44		01/14/20 03:56	75-01-4	

Sample: 1920 E. Tesch Sump cert 3514 **Lab ID: 10505145006** Collected: 01/10/20 14:09 Received: 01/13/20 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.11**	ug/m3	0.41	0.11	0.5		11/21/19 15:32	75-34-3	
1,1-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/21/19 15:32	75-35-4	
cis-1,2-Dichloroethene	**<0.11**	ug/m3	0.40	0.11	0.5		11/21/19 15:32	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/21/19 15:32	156-60-5	
Tetrachloroethene	**<0.16**	ug/m3	0.34	0.16	0.5		11/21/19 15:32	127-18-4	
1,1,1-Trichloroethane	**<0.15**	ug/m3	0.56	0.15	0.5		11/21/19 15:32	71-55-6	
1,1,2-Trichloroethane	**<0.12**	ug/m3	0.28	0.12	0.5		11/21/19 15:32	79-00-5	
Trichloroethene	**<0.13**	ug/m3	0.27	0.13	0.5		11/21/19 15:32	79-01-6	
Vinyl chloride	**<0.063**	ug/m3	0.13	0.063	0.5		11/21/19 15:32	75-01-4	

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ANALYTICAL RESULTS

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Sample: 1920 E. Tesch SS-1 **Lab ID: 10505221001** Collected: 01/10/20 16:10 Received: 01/14/20 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.32**	ug/m3	1.2	0.32	1.44		01/14/20 16:13	75-34-3	
1,2-Dichloroethane	**<0.22**	ug/m3	0.59	0.22	1.44		01/14/20 16:13	107-06-2	
1,1-Dichloroethene	**<0.39**	ug/m3	1.2	0.39	1.44		01/14/20 16:13	75-35-4	
cis-1,2-Dichloroethene	**<0.32**	ug/m3	1.2	0.32	1.44		01/14/20 16:13	156-59-2	
trans-1,2-Dichloroethene	**<0.41**	ug/m3	1.2	0.41	1.44		01/14/20 16:13	156-60-5	
Tetrachloroethene	**0.93J**	ug/m3	0.99	0.45	1.44		01/14/20 16:13	127-18-4	
1,1,1-Trichloroethane	**0.57J**	ug/m3	1.6	0.44	1.44		01/14/20 16:13	71-55-6	
1,1,2-Trichloroethane	**<0.35**	ug/m3	0.80	0.35	1.44		01/14/20 16:13	79-00-5	
Trichloroethene	**6.0**	ug/m3	0.79	0.36	1.44		01/14/20 16:13	79-01-6	
Vinyl chloride	**<0.18**	ug/m3	0.37	0.18	1.44		01/14/20 16:13	75-01-4	

Sample: 1920 E. Tesch SS-1 Cert 1681 **Lab ID: 10505221002** Collected: 01/10/20 16:10 Received: 01/14/20 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15								
1,1-Dichloroethane	**<0.11**	ug/m3	0.41	0.11	0.5		11/22/19 02:27	75-34-3	
1,1-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/22/19 02:27	75-35-4	
cis-1,2-Dichloroethene	**<0.11**	ug/m3	0.40	0.11	0.5		11/22/19 02:27	156-59-2	
trans-1,2-Dichloroethene	**<0.14**	ug/m3	0.40	0.14	0.5		11/22/19 02:27	156-60-5	
Tetrachloroethene	**<0.16**	ug/m3	0.34	0.16	0.5		11/22/19 02:27	127-18-4	
1,1,1-Trichloroethane	**<0.15**	ug/m3	0.56	0.15	0.5		11/22/19 02:27	71-55-6	
1,1,2-Trichloroethane	**<0.12**	ug/m3	0.28	0.12	0.5		11/22/19 02:27	79-00-5	
Trichloroethene	**<0.13**	ug/m3	0.27	0.13	0.5		11/22/19 02:27	79-01-6	
Vinyl chloride	**<0.063**	ug/m3	0.13	0.063	0.5		11/22/19 02:27	75-01-4	

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QUALITY CONTROL DATA

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

QC Batch: 654325 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10505145001, 10505145003, 10505145005

METHOD BLANK: 3517516 Matrix: Air
Associated Lab Samples: 10505145001, 10505145003, 10505145005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	01/13/20 12:13	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	01/13/20 12:13	
1,1-Dichloroethane	ug/m3	<0.22	0.82	01/13/20 12:13	
1,1-Dichloroethene	ug/m3	<0.27	0.81	01/13/20 12:13	
1,2-Dichloroethane	ug/m3	<0.15	0.41	01/13/20 12:13	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	01/13/20 12:13	
Tetrachloroethene	ug/m3	<0.31	0.69	01/13/20 12:13	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	01/13/20 12:13	
Trichloroethene	ug/m3	<0.25	0.55	01/13/20 12:13	
Vinyl chloride	ug/m3	<0.13	0.26	01/13/20 12:13	

LABORATORY CONTROL SAMPLE: 3517517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.7	102	70-130	
1,1,2-Trichloroethane	ug/m3	55.5	57.4	103	70-133	
1,1-Dichloroethane	ug/m3	41.1	40.5	99	70-130	
1,1-Dichloroethene	ug/m3	40.3	42.4	105	69-137	
1,2-Dichloroethane	ug/m3	41.1	41.7	101	70-130	
cis-1,2-Dichloroethene	ug/m3	40.3	39.0	97	70-132	
Tetrachloroethene	ug/m3	68.9	66.2	96	70-136	
trans-1,2-Dichloroethene	ug/m3	40.3	39.1	97	70-132	
Trichloroethene	ug/m3	54.6	54.1	99	70-132	
Vinyl chloride	ug/m3	26	31.2	120	68-141	

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

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

QUALITY CONTROL DATA

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

QC Batch: 654480
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10505221001

METHOD BLANK: 3518371
Matrix: Air
Associated Lab Samples: 10505221001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	01/14/20 08:48	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	01/14/20 08:48	
1,1-Dichloroethane	ug/m3	<0.22	0.82	01/14/20 08:48	
1,1-Dichloroethene	ug/m3	<0.27	0.81	01/14/20 08:48	
1,2-Dichloroethane	ug/m3	<0.15	0.41	01/14/20 08:48	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	01/14/20 08:48	
Tetrachloroethene	ug/m3	<0.31	0.69	01/14/20 08:48	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	01/14/20 08:48	
Trichloroethene	ug/m3	<0.25	0.55	01/14/20 08:48	
Vinyl chloride	ug/m3	<0.13	0.26	01/14/20 08:48	

LABORATORY CONTROL SAMPLE: 3518372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	47.8	86	70-130	
1,1,2-Trichloroethane	ug/m3	55.5	53.4	96	70-133	
1,1-Dichloroethane	ug/m3	41.1	35.2	86	70-130	
1,1-Dichloroethene	ug/m3	40.3	32.9	82	69-137	
1,2-Dichloroethane	ug/m3	41.1	34.3	83	70-130	
cis-1,2-Dichloroethene	ug/m3	40.3	37.9	94	70-132	
Tetrachloroethene	ug/m3	68.9	67.2	98	70-136	
trans-1,2-Dichloroethene	ug/m3	40.3	37.3	93	70-132	
Trichloroethene	ug/m3	54.6	54.1	99	70-132	
Vinyl chloride	ug/m3	26	20.2	78	68-141	

SAMPLE DUPLICATE: 3519151

Parameter	Units	10505221001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	0.57J	0.56J		25	
1,1,2-Trichloroethane	ug/m3	<0.35	<0.35		25	
1,1-Dichloroethane	ug/m3	<0.32	<0.32		25	
1,1-Dichloroethene	ug/m3	<0.39	<0.39		25	
1,2-Dichloroethane	ug/m3	<0.22	<0.22		25	
cis-1,2-Dichloroethene	ug/m3	<0.32	<0.32		25	
Tetrachloroethene	ug/m3	0.93J	0.85J		25	
trans-1,2-Dichloroethene	ug/m3	<0.41	<0.41		25	
Trichloroethene	ug/m3	6.0	5.6	6	25	
Vinyl chloride	ug/m3	<0.18	<0.18		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.

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QUALIFIERS

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004991 Shur-Line
Pace Project No.: 10505145

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10505145001	**1920 E. Tesch IA-B**	TO-15	654325		
10505145003	**1920 E. Tesch OA**	TO-15	654325		
10505145005	**1920 E. Tesch Sump**	TO-15	654325		
10505221001	**1920 E. Tesch SS-1**	TO-15	654480		
10505145002	**1920 E. Tesch IA-B cert 0033**	TO-15	654414		
10505145004	**1920 E. Tesch OA cert 2370**	TO-15	654414		
10505145006	**1920 E. Tesch Sump cert 3514**	TO-15	654414		
10505221002	**1920 E. Tesch SS-1 Cert 1681**	TO-15	654673		

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AIR: CHAIN-OF-CUSTODY /

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WO# : 10505145

10505145

48115

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Ramboll	Report To: Susan Petrofski	Attention:
Address: 175 N. Corporate Dr. Suite 160 Brookfield WI 53045	Copy To: Paul Lindquist	Company Name:
Email To: Kyle.Heimstead	Purchase Order No.:	Address:
Phone: 612 206 7450 Fax:	Project Name: Shur-Line	Pace Quote Reference:
Requested Due Date/TAT: 1/14/2020	Project Number: 1690004991	Pace Project Manager/Sales Rep.
		Pace Profile #: 40627

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

Location of Sampling by State: _____

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

Report Level: II. ___ III. ___ IV. ___ Other ___

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	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	1920 E. Tesch IA-B	6LC		1/9/2020	1326	1/10/2020	1256	-29	-3	00331008								X		001, 002
2	1920 E. Tesch OA	6LC		1/9/2020	1330	1/10/2020	1258	-29	-4	23701405								X		003, 004
3	1920 E. Tesch SS-1	6LC		1/9/2020	1545	1/10/2020	1610	-27	-3	35140955								X		
4	1920 E. Tesch SUMP	6LC		1/10/2020	1329	1/10/2020	1409	-30	-4	35140995								X		005, 006
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Valid Media Codes: Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

Comments :

- 48 TAT
- Report analytes referenced in Paul Lindquists email dated 11/5/2019

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Kyle Heimstead/Ramboll	1/10/2020	1705	FedEx	1/10/2020	
			Client	1-13-20	420

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Kyle Heimstead

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 01/10/2020

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

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

Air Sample Condition Upon Receipt

Client Name: Ramboll

Project #: WO#: 10505145

PM: CT1 Due Date: 01/15/20

CLIENT: Ramboll-WI

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

Tracking Number: 1320 7518 1080

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): _____ **Corrected Temp (°C):** _____ **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** EM 1/13/19

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

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

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

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
IA-D	0033	10008 10008	-3	+5					
OA	7370	1405	-7	"					
Sump SS-1 EM 1/13	3514	0955	-2	"					
Unused	1585	1687	-28	—					

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

Person Contacted: Kyle Heimstad Date/Time: 1/13/20

Comments/Resolution: Can 3514 is Sump (marked SS-1 on can tag). SS-1 will arrive 1/14/20.

Project Manager Review: Carolynne Trout **Date:** 1/13/20

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

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AIR: CHAIN-OF-CUSTODY /

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

WO# : 10505221

10505221

48117

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Section A
Required Client Information:

Company:	Ramboll
Address:	175 N. Corporate Dr. Suite 160 Brookfield WI 53045
Email To:	Kyle Hemmstead
Phone:	612-6116-7450
Fax:	
Requested Due Date/TAT:	1/15/2020

Section B
Required Project Information:

Report To:	Susan Petraske
Copy To:	Paul Lindquist
Purchase Order No.:	
Project Name:	Shur-Line
Project Number:	1690004991

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager/Sales Rep.	
Pace Profile #:	40627

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

Location of Sampling by State _____

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 #	'Section D Required Client Information / AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED 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	1920 E. Tesch SS-1	6LC		1/10/2020	1545	1/10/2020	1610	-27	-3	1681	2814							x			001
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :
- 48hr TAT
- Report analytes referenced in paul lindquists email dated 11/5/2019

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Kyle Hemmstead / Ramboll	1/13/2020		FedEx	1/13/2020	
			WAOR Pace	1/14/20	9:45

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Kyle Hemmstead
SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 01/13/2020

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

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

Air Sample Condition Upon Receipt **Client Name:** Ramboll **Project #:** WO#: 10505221

PM: CT1 Due Date: 01/15/20
CLIENT: Ramboll-WI

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

Tracking Number: 1320 7518 1070

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): — **Corrected Temp (°C):** —

Thermometer Used: ☐ G87A9170600254 ☐ G87A9155100842

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

Date & Initials of Person Examining Contents: WD 1/14/20

Type of ice Received ☐ Blue ☐ Wet ☑ None

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

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

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1920 E. Tesch SS-1	1681	2814	-2	+5					
Unused FC	—	2278							
"	—	2368							
"	—	0351							
"	—	0957							

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: Transferred samples to associated samples received 1/13 (10505145)

Project Manager Review: Carolynne Trout **Date:** 1/14/20

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

Table 1. Vapor Analytical Results
1920 East Tesch Avenue
St. Francis, Wisconsin
Ramboll Project No. 1690004991

				Sub-Slab	Indoor Air	Outdoor Air	Sump
Target Analyte (µg/m^3)	**CAS No.**	Indoor Air VAL[(1)]	Sub-Slab Vapor VRSL[(1)]	SS-1 01/10/2020	IA-B 01/10/2020	OA 01/10/2020	Sump 01/10/2020
Dichloroethane, 1,1-	75-34-3	18	600	<0.32	<0.34	<0.34	<0.32
Dichloroethane, 1,2-	107-06-2	1.1	37	<0.22	0.93	<0.22	<0.22
Dichloroethylene, 1,1-	75-35-4	210	7,000	<0.39	<0.41	<0.41	<0.39
Dichloroethylene, 1,2-cis-	156-59-2	--	--	<0.32	<0.33	<0.33	<0.32
Dichloroethylene, 1,2-trans-	156-60-5	--	--	<0.41	<0.42	<0.42	<0.41
Tetrachloroethylene	127-18-4	42	1,400	0.93 J	<0.47	<0.47	<0.45
Trichloroethane, 1,1,1-	71-55-6	5,200	170,000	0.57 J	<0.46	<0.46	<0.44
Trichloroethane, 1,1,2-	79-00-5	0.21	7	<0.35	<0.36	<0.36	<0.35
Trichloroethylene	79-01-6	2.1	70	6.0	0.96	<0.38	<0.36
Vinyl Chloride	75-01-4	1.7	57	<0.18	0.94	<0.19	<0.18

Notes:
Standards based on November 2019 USEPA Regional Screening Level (RSL) Tables.
Samples analyzed using USEPA Method TO-15.

µg/m^3 = Microgram per cubic meter
VAL= Indoor Air Vapor Action Level
VRSL = Vapor Risk Screening Level
[(1)] Indoor Air VALs and Sub-Slab Vapor VRSLs are based on an USEPA risk level of 1 in 100,000 or a Hazard Index of 1, whichever is more stringent.
A = Sub-Slab Sample Exceeds Residential VRSL
B = Indoor Air Sample Exceeds Residential VAL
J = Estimated concentration at or above the level of detection (LOD) and below the level of quantification (LOQ).
-- No RSL established.