

From: Killian, Paul <pkillian@geiconsultants.com>
Sent: Wednesday, June 3, 2020 11:09 AM
To: Schultz, Josie M - DNR
Cc: qefnez@yahoo.com; Donald P. Gallo; Matthew Bookter
Subject: Results of Vapor Sampling - One Hour Martinizing - Military Avenue
Attachments: 10518953_frc.pdf; Innovative Properties - Vapor Sampling Results.pdf

Josie

Attached are results of the vapor samples collected 5/20/2020 from the tenant spaces at the Military Avenue property. Also attached is a table summarizing these results along with results of ambient air sampling completed by GEI in March and results of ambient air sampling completed by WDNR in May.

As discussed during our telephone conversation last week, these results are representative of conditions upon initial start-up of the sub-slab venting system and generally confirm previous results. We are confident the sub-slab venting system is creating a vacuum barrier between the subsurface vapors and the occupied floor slabs. However, as previously discussed, we remain concerned with the potential influence the operating dry cleaner has on ambient air quality. This is something the sub-slab venting system cannot control.

Please contact us with any questions and further discussion.

Thank you Josie.



PAUL J. KILLIAN, P.E.
Vice President/Senior Project Manager
920.455.8200 cell: 920.737.5468 fax: 920.455.8225
3159 Voyager Drive, Green Bay, WI 54311



June 01, 2020

Paul Killian
GEI Consultants
3159 Voyager Dr.
Green Bay, WI 54311

RE: Project: 2002226 Martinizing
Pace Project No.: 10518953

Dear Paul Killian:

Enclosed are the analytical results for sample(s) received by the laboratory on May 22, 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

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

Sincerely,



Ashley Williams
ashley.williams@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Pace Analytical Services Minneapolis

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

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SAMPLE SUMMARY

Project: 2002226 Martinizing
Pace Project No.: 10518953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10518953001	Taekwondo	Air	05/20/20 15:56	05/22/20 08:30
10518953002	EDW. Jones	Air	05/20/20 16:17	05/22/20 08:30
10518953003	Jim's Retail Area	Air	05/20/20 15:39	05/22/20 08:30
10518953004	Jim's Lesson Area	Air	05/20/20 15:42	05/22/20 08:30
10518953005	Jim's N Basement Office Area	Air	05/20/20 15:47	05/22/20 08:30

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SAMPLE ANALYTE COUNT

Project: 2002226 Martinizing

Pace Project No.: 10518953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10518953001	Taekwondo	TO-15	MJL	61	PASI-M
10518953002	EDW. Jones	TO-15	MJL	61	PASI-M
10518953003	Jim's Retail Area	TO-15	MJL	61	PASI-M
10518953004	Jim's Lesson Area	TO-15	MJL	61	PASI-M
10518953005	Jim's N Basement Office Area	TO-15	MG2	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Taekwondo **Lab ID: 10518953001** Collected: 05/20/20 15:56 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	18.8	ug/m3	14.5	3.1	2.4		05/24/20 15:40	67-64-1	
Benzene	0.51J	ug/m3	0.78	0.31	2.4		05/24/20 15:40	71-43-2	
Benzyl chloride	<1.1	ug/m3	6.3	1.1	2.4		05/24/20 15:40	100-44-7	
Bromodichloromethane	<0.42	ug/m3	3.3	0.42	2.4		05/24/20 15:40	75-27-4	
Bromoform	<4.3	ug/m3	12.6	4.3	2.4		05/24/20 15:40	75-25-2	
Bromomethane	<0.35	ug/m3	1.9	0.35	2.4		05/24/20 15:40	74-83-9	
1,3-Butadiene	<0.25	ug/m3	1.1	0.25	2.4		05/24/20 15:40	106-99-0	
2-Butanone (MEK)	4.8J	ug/m3	7.2	1.3	2.4		05/24/20 15:40	78-93-3	
Carbon disulfide	<0.26	ug/m3	1.5	0.26	2.4		05/24/20 15:40	75-15-0	
Carbon tetrachloride	<0.61	ug/m3	3.1	0.61	2.4		05/24/20 15:40	56-23-5	
Chlorobenzene	<0.32	ug/m3	2.2	0.32	2.4		05/24/20 15:40	108-90-7	
Chloroethane	<0.30	ug/m3	1.3	0.30	2.4		05/24/20 15:40	75-00-3	
Chloroform	1.1J	ug/m3	1.2	0.32	2.4		05/24/20 15:40	67-66-3	
Chloromethane	1.5	ug/m3	1.0	0.16	2.4		05/24/20 15:40	74-87-3	
Cyclohexane	<0.35	ug/m3	4.2	0.35	2.4		05/24/20 15:40	110-82-7	
Dibromochloromethane	<0.96	ug/m3	4.2	0.96	2.4		05/24/20 15:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.66	ug/m3	1.9	0.66	2.4		05/24/20 15:40	106-93-4	
1,2-Dichlorobenzene	<0.76	ug/m3	2.9	0.76	2.4		05/24/20 15:40	95-50-1	
1,3-Dichlorobenzene	<1.1	ug/m3	2.9	1.1	2.4		05/24/20 15:40	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/m3	7.3	1.8	2.4		05/24/20 15:40	106-46-7	
Dichlorodifluoromethane	3.6	ug/m3	2.4	0.41	2.4		05/24/20 15:40	75-71-8	
1,1-Dichloroethane	<0.27	ug/m3	2.0	0.27	2.4		05/24/20 15:40	75-34-3	
1,2-Dichloroethane	<0.41	ug/m3	0.99	0.41	2.4		05/24/20 15:40	107-06-2	
1,1-Dichloroethene	<0.29	ug/m3	1.9	0.29	2.4		05/24/20 15:40	75-35-4	
cis-1,2-Dichloroethene	<0.28	ug/m3	1.9	0.28	2.4		05/24/20 15:40	156-59-2	
trans-1,2-Dichloroethene	<0.40	ug/m3	1.9	0.40	2.4		05/24/20 15:40	156-60-5	
1,2-Dichloropropane	<0.48	ug/m3	2.3	0.48	2.4		05/24/20 15:40	78-87-5	
cis-1,3-Dichloropropene	<0.89	ug/m3	2.2	0.89	2.4		05/24/20 15:40	10061-01-5	
trans-1,3-Dichloropropene	<0.63	ug/m3	2.2	0.63	2.4		05/24/20 15:40	10061-02-6	
Dichlorotetrafluoroethane	<0.38	ug/m3	3.4	0.38	2.4		05/24/20 15:40	76-14-2	
Ethanol	302	ug/m3	4.6	2.3	2.4		05/24/20 15:40	64-17-5	
Ethyl acetate	<0.44	ug/m3	1.8	0.44	2.4		05/24/20 15:40	141-78-6	
Ethylbenzene	<0.33	ug/m3	2.1	0.33	2.4		05/24/20 15:40	100-41-4	
4-Ethyltoluene	<1.0	ug/m3	6.0	1.0	2.4		05/24/20 15:40	622-96-8	
n-Heptane	<0.47	ug/m3	2.0	0.47	2.4		05/24/20 15:40	142-82-5	
Hexachloro-1,3-butadiene	<3.0	ug/m3	13.0	3.0	2.4		05/24/20 15:40	87-68-3	
n-Hexane	1.0J	ug/m3	1.7	0.48	2.4		05/24/20 15:40	110-54-3	
2-Hexanone	<0.83	ug/m3	10	0.83	2.4		05/24/20 15:40	591-78-6	
Methylene Chloride	5.0J	ug/m3	8.5	2.2	2.4		05/24/20 15:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.42	ug/m3	10	0.42	2.4		05/24/20 15:40	108-10-1	
Methyl-tert-butyl ether	<0.24	ug/m3	8.8	0.24	2.4		05/24/20 15:40	1634-04-4	
Naphthalene	<3.0	ug/m3	6.4	3.0	2.4		05/24/20 15:40	91-20-3	
2-Propanol	3.4J	ug/m3	6.0	0.91	2.4		05/24/20 15:40	67-63-0	
Propylene	<0.24	ug/m3	0.84	0.24	2.4		05/24/20 15:40	115-07-1	
Styrene	<1.0	ug/m3	2.1	1.0	2.4		05/24/20 15:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2002226 Martinizing
Pace Project No.: 10518953

Sample: Taekwondo **Lab ID: 10518953001** Collected: 05/20/20 15:56 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.74	ug/m3	1.7	0.74	2.4		05/24/20 15:40	79-34-5	
Tetrachloroethene	408	ug/m3	1.7	0.64	2.4		05/24/20 15:40	127-18-4	
Tetrahydrofuran	<0.44	ug/m3	1.4	0.44	2.4		05/24/20 15:40	109-99-9	
Toluene	1.4J	ug/m3	1.8	0.41	2.4		05/24/20 15:40	108-88-3	
1,2,4-Trichlorobenzene	<7.9	ug/m3	18.1	7.9	2.4		05/24/20 15:40	120-82-1	
1,1,1-Trichloroethane	<0.36	ug/m3	2.7	0.36	2.4		05/24/20 15:40	71-55-6	
1,1,2-Trichloroethane	<0.48	ug/m3	1.3	0.48	2.4		05/24/20 15:40	79-00-5	
Trichloroethene	<0.53	ug/m3	1.3	0.53	2.4		05/24/20 15:40	79-01-6	
Trichlorofluoromethane	2.1J	ug/m3	2.7	0.55	2.4		05/24/20 15:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.91J	ug/m3	3.7	0.62	2.4		05/24/20 15:40	76-13-1	
1,2,4-Trimethylbenzene	1.2J	ug/m3	2.4	0.75	2.4		05/24/20 15:40	95-63-6	
1,3,5-Trimethylbenzene	0.77J	ug/m3	2.4	0.60	2.4		05/24/20 15:40	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.7	0.42	2.4		05/24/20 15:40	108-05-4	
Vinyl chloride	<0.23	ug/m3	0.62	0.23	2.4		05/24/20 15:40	75-01-4	
m&p-Xylene	<0.81	ug/m3	4.2	0.81	2.4		05/24/20 15:40	179601-23-1	
o-Xylene	<0.36	ug/m3	2.1	0.36	2.4		05/24/20 15:40	95-47-6	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing
Pace Project No.: 10518953

Sample: EDW. Jones **Lab ID: 10518953002** Collected: 05/20/20 16:17 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Acetone	112	ug/m3	9.7	2.1	1.61		05/24/20 16:40	67-64-1	
Benzene	0.35J	ug/m3	0.52	0.21	1.61		05/24/20 16:40	71-43-2	
Benzyl chloride	<0.76	ug/m3	4.2	0.76	1.61		05/24/20 16:40	100-44-7	
Bromodichloromethane	<0.28	ug/m3	2.2	0.28	1.61		05/24/20 16:40	75-27-4	
Bromoform	<2.9	ug/m3	8.5	2.9	1.61		05/24/20 16:40	75-25-2	
Bromomethane	<0.24	ug/m3	1.3	0.24	1.61		05/24/20 16:40	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.72	0.17	1.61		05/24/20 16:40	106-99-0	
2-Butanone (MEK)	5.7	ug/m3	4.8	0.90	1.61		05/24/20 16:40	78-93-3	
Carbon disulfide	<0.17	ug/m3	1.0	0.17	1.61		05/24/20 16:40	75-15-0	
Carbon tetrachloride	1.2J	ug/m3	2.1	0.41	1.61		05/24/20 16:40	56-23-5	
Chlorobenzene	<0.21	ug/m3	1.5	0.21	1.61		05/24/20 16:40	108-90-7	
Chloroethane	<0.20	ug/m3	0.86	0.20	1.61		05/24/20 16:40	75-00-3	
Chloroform	<0.21	ug/m3	0.80	0.21	1.61		05/24/20 16:40	67-66-3	
Chloromethane	1.4	ug/m3	0.68	0.11	1.61		05/24/20 16:40	74-87-3	
Cyclohexane	1.1J	ug/m3	2.8	0.24	1.61		05/24/20 16:40	110-82-7	
Dibromochloromethane	<0.65	ug/m3	2.8	0.65	1.61		05/24/20 16:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.44	ug/m3	1.3	0.44	1.61		05/24/20 16:40	106-93-4	
1,2-Dichlorobenzene	<0.51	ug/m3	2.0	0.51	1.61		05/24/20 16:40	95-50-1	
1,3-Dichlorobenzene	<0.77	ug/m3	2.0	0.77	1.61		05/24/20 16:40	541-73-1	
1,4-Dichlorobenzene	<1.2	ug/m3	4.9	1.2	1.61		05/24/20 16:40	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.6	0.27	1.61		05/24/20 16:40	75-71-8	
1,1-Dichloroethane	<0.18	ug/m3	1.3	0.18	1.61		05/24/20 16:40	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.66	0.27	1.61		05/24/20 16:40	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.3	0.19	1.61		05/24/20 16:40	75-35-4	
cis-1,2-Dichloroethene	<0.19	ug/m3	1.3	0.19	1.61		05/24/20 16:40	156-59-2	
trans-1,2-Dichloroethene	<0.27	ug/m3	1.3	0.27	1.61		05/24/20 16:40	156-60-5	
1,2-Dichloropropane	<0.32	ug/m3	1.5	0.32	1.61		05/24/20 16:40	78-87-5	
cis-1,3-Dichloropropene	<0.60	ug/m3	1.5	0.60	1.61		05/24/20 16:40	10061-01-5	
trans-1,3-Dichloropropene	<0.42	ug/m3	1.5	0.42	1.61		05/24/20 16:40	10061-02-6	
Dichlorotetrafluoroethane	<0.25	ug/m3	2.3	0.25	1.61		05/24/20 16:40	76-14-2	
Ethanol	5950	ug/m3	30.9	15.2	16.1		05/26/20 10:26	64-17-5	E
Ethyl acetate	<0.30	ug/m3	1.2	0.30	1.61		05/24/20 16:40	141-78-6	
Ethylbenzene	0.41J	ug/m3	1.4	0.22	1.61		05/24/20 16:40	100-41-4	
4-Ethyltoluene	<0.69	ug/m3	4.0	0.69	1.61		05/24/20 16:40	622-96-8	
n-Heptane	<0.32	ug/m3	1.3	0.32	1.61		05/24/20 16:40	142-82-5	
Hexachloro-1,3-butadiene	<2.0	ug/m3	8.7	2.0	1.61		05/24/20 16:40	87-68-3	
n-Hexane	0.89J	ug/m3	1.2	0.32	1.61		05/24/20 16:40	110-54-3	
2-Hexanone	<0.56	ug/m3	6.7	0.56	1.61		05/24/20 16:40	591-78-6	
Methylene Chloride	2.7J	ug/m3	5.7	1.5	1.61		05/24/20 16:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.28	ug/m3	6.7	0.28	1.61		05/24/20 16:40	108-10-1	
Methyl-tert-butyl ether	<0.16	ug/m3	5.9	0.16	1.61		05/24/20 16:40	1634-04-4	
Naphthalene	<2.0	ug/m3	4.3	2.0	1.61		05/24/20 16:40	91-20-3	
2-Propanol	<0.61	ug/m3	4.0	0.61	1.61		05/24/20 16:40	67-63-0	
Propylene	<0.16	ug/m3	0.56	0.16	1.61		05/24/20 16:40	115-07-1	
Styrene	0.98J	ug/m3	1.4	0.69	1.61		05/24/20 16:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: EDW. Jones **Lab ID: 10518953002** Collected: 05/20/20 16:17 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.50	ug/m3	1.1	0.50	1.61		05/24/20 16:40	79-34-5	
Tetrachloroethene	422	ug/m3	11.1	4.3	16.1		05/26/20 10:26	127-18-4	
Tetrahydrofuran	0.88J	ug/m3	0.97	0.29	1.61		05/24/20 16:40	109-99-9	
Toluene	0.95J	ug/m3	1.2	0.28	1.61		05/24/20 16:40	108-88-3	
1,2,4-Trichlorobenzene	<5.3	ug/m3	12.1	5.3	1.61		05/24/20 16:40	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/m3	1.8	0.24	1.61		05/24/20 16:40	71-55-6	
1,1,2-Trichloroethane	<0.32	ug/m3	0.89	0.32	1.61		05/24/20 16:40	79-00-5	
Trichloroethene	<0.36	ug/m3	0.88	0.36	1.61		05/24/20 16:40	79-01-6	
Trichlorofluoromethane	1.6J	ug/m3	1.8	0.37	1.61		05/24/20 16:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.64J	ug/m3	2.5	0.41	1.61		05/24/20 16:40	76-13-1	
1,2,4-Trimethylbenzene	1.0J	ug/m3	1.6	0.50	1.61		05/24/20 16:40	95-63-6	
1,3,5-Trimethylbenzene	1.3J	ug/m3	1.6	0.40	1.61		05/24/20 16:40	108-67-8	
Vinyl acetate	<0.28	ug/m3	1.2	0.28	1.61		05/24/20 16:40	108-05-4	
Vinyl chloride	<0.15	ug/m3	0.42	0.15	1.61		05/24/20 16:40	75-01-4	
m&p-Xylene	1.1J	ug/m3	2.8	0.54	1.61		05/24/20 16:40	179601-23-1	
o-Xylene	0.33J	ug/m3	1.4	0.24	1.61		05/24/20 16:40	95-47-6	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Jim's Retail Area **Lab ID:** 10518953003 Collected: 05/20/20 15:39 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	203	ug/m3	9.7	2.1	1.61		05/24/20 17:39	67-64-1	
Benzene	0.39J	ug/m3	0.52	0.21	1.61		05/24/20 17:39	71-43-2	
Benzyl chloride	<0.76	ug/m3	4.2	0.76	1.61		05/24/20 17:39	100-44-7	
Bromodichloromethane	<0.28	ug/m3	2.2	0.28	1.61		05/24/20 17:39	75-27-4	
Bromoform	<2.9	ug/m3	8.5	2.9	1.61		05/24/20 17:39	75-25-2	
Bromomethane	<0.24	ug/m3	1.3	0.24	1.61		05/24/20 17:39	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.72	0.17	1.61		05/24/20 17:39	106-99-0	
2-Butanone (MEK)	<0.90	ug/m3	4.8	0.90	1.61		05/24/20 17:39	78-93-3	
Carbon disulfide	<0.17	ug/m3	1.0	0.17	1.61		05/24/20 17:39	75-15-0	
Carbon tetrachloride	<0.41	ug/m3	2.1	0.41	1.61		05/24/20 17:39	56-23-5	
Chlorobenzene	<0.21	ug/m3	1.5	0.21	1.61		05/24/20 17:39	108-90-7	
Chloroethane	<0.20	ug/m3	0.86	0.20	1.61		05/24/20 17:39	75-00-3	
Chloroform	<0.21	ug/m3	0.80	0.21	1.61		05/24/20 17:39	67-66-3	
Chloromethane	1.7	ug/m3	0.68	0.11	1.61		05/24/20 17:39	74-87-3	
Cyclohexane	15.0	ug/m3	2.8	0.24	1.61		05/24/20 17:39	110-82-7	
Dibromochloromethane	<0.65	ug/m3	2.8	0.65	1.61		05/24/20 17:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.44	ug/m3	1.3	0.44	1.61		05/24/20 17:39	106-93-4	
1,2-Dichlorobenzene	<0.51	ug/m3	2.0	0.51	1.61		05/24/20 17:39	95-50-1	
1,3-Dichlorobenzene	<0.77	ug/m3	2.0	0.77	1.61		05/24/20 17:39	541-73-1	
1,4-Dichlorobenzene	<1.2	ug/m3	4.9	1.2	1.61		05/24/20 17:39	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.6	0.27	1.61		05/24/20 17:39	75-71-8	
1,1-Dichloroethane	<0.18	ug/m3	1.3	0.18	1.61		05/24/20 17:39	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.66	0.27	1.61		05/24/20 17:39	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.3	0.19	1.61		05/24/20 17:39	75-35-4	
cis-1,2-Dichloroethene	<0.19	ug/m3	1.3	0.19	1.61		05/24/20 17:39	156-59-2	
trans-1,2-Dichloroethene	<0.27	ug/m3	1.3	0.27	1.61		05/24/20 17:39	156-60-5	
1,2-Dichloropropane	<0.32	ug/m3	1.5	0.32	1.61		05/24/20 17:39	78-87-5	
cis-1,3-Dichloropropene	<0.60	ug/m3	1.5	0.60	1.61		05/24/20 17:39	10061-01-5	
trans-1,3-Dichloropropene	<0.42	ug/m3	1.5	0.42	1.61		05/24/20 17:39	10061-02-6	
Dichlorotetrafluoroethane	<0.25	ug/m3	2.3	0.25	1.61		05/24/20 17:39	76-14-2	
Ethanol	2140	ug/m3	61.8	30.3	32.2		05/26/20 10:54	64-17-5	
Ethyl acetate	4.8	ug/m3	1.2	0.30	1.61		05/24/20 17:39	141-78-6	
Ethylbenzene	7.3	ug/m3	1.4	0.22	1.61		05/24/20 17:39	100-41-4	
4-Ethyltoluene	4.7	ug/m3	4.0	0.69	1.61		05/24/20 17:39	622-96-8	
n-Heptane	6.1	ug/m3	1.3	0.32	1.61		05/24/20 17:39	142-82-5	
Hexachloro-1,3-butadiene	<2.0	ug/m3	8.7	2.0	1.61		05/24/20 17:39	87-68-3	
n-Hexane	158	ug/m3	1.2	0.32	1.61		05/24/20 17:39	110-54-3	
2-Hexanone	<0.56	ug/m3	6.7	0.56	1.61		05/24/20 17:39	591-78-6	
Methylene Chloride	3.9J	ug/m3	5.7	1.5	1.61		05/24/20 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.7J	ug/m3	6.7	0.28	1.61		05/24/20 17:39	108-10-1	
Methyl-tert-butyl ether	<0.16	ug/m3	5.9	0.16	1.61		05/24/20 17:39	1634-04-4	
Naphthalene	<2.0	ug/m3	4.3	2.0	1.61		05/24/20 17:39	91-20-3	
2-Propanol	120	ug/m3	4.0	0.61	1.61		05/24/20 17:39	67-63-0	
Propylene	<0.16	ug/m3	0.56	0.16	1.61		05/24/20 17:39	115-07-1	
Styrene	3.1	ug/m3	1.4	0.69	1.61		05/24/20 17:39	100-42-5	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: **Jim's Retail Area** Lab ID: **10518953003** Collected: 05/20/20 15:39 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.50	ug/m3	1.1	0.50	1.61		05/24/20 17:39	79-34-5	
Tetrachloroethene	940	ug/m3	22.2	8.6	32.2		05/26/20 10:54	127-18-4	
Tetrahydrofuran	4.7	ug/m3	0.97	0.29	1.61		05/24/20 17:39	109-99-9	
Toluene	7.8	ug/m3	1.2	0.28	1.61		05/24/20 17:39	108-88-3	
1,2,4-Trichlorobenzene	<5.3	ug/m3	12.1	5.3	1.61		05/24/20 17:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/m3	1.8	0.24	1.61		05/24/20 17:39	71-55-6	
1,1,2-Trichloroethane	<0.32	ug/m3	0.89	0.32	1.61		05/24/20 17:39	79-00-5	
Trichloroethene	1.4	ug/m3	0.88	0.36	1.61		05/24/20 17:39	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	1.8	0.37	1.61		05/24/20 17:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.65J	ug/m3	2.5	0.41	1.61		05/24/20 17:39	76-13-1	
1,2,4-Trimethylbenzene	14.9	ug/m3	1.6	0.50	1.61		05/24/20 17:39	95-63-6	
1,3,5-Trimethylbenzene	5.9	ug/m3	1.6	0.40	1.61		05/24/20 17:39	108-67-8	
Vinyl acetate	<0.28	ug/m3	1.2	0.28	1.61		05/24/20 17:39	108-05-4	
Vinyl chloride	<0.15	ug/m3	0.42	0.15	1.61		05/24/20 17:39	75-01-4	
m&p-Xylene	29.7	ug/m3	2.8	0.54	1.61		05/24/20 17:39	179601-23-1	
o-Xylene	10.4	ug/m3	1.4	0.24	1.61		05/24/20 17:39	95-47-6	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Jim's Lesson Area **Lab ID:** 10518953004 Collected: 05/20/20 15:42 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	145	ug/m3	9.0	1.9	1.49		05/24/20 18:08	67-64-1	
Benzene	0.33J	ug/m3	0.48	0.19	1.49		05/24/20 18:08	71-43-2	
Benzyl chloride	<0.70	ug/m3	3.9	0.70	1.49		05/24/20 18:08	100-44-7	
Bromodichloromethane	<0.26	ug/m3	2.0	0.26	1.49		05/24/20 18:08	75-27-4	
Bromoform	<2.7	ug/m3	7.8	2.7	1.49		05/24/20 18:08	75-25-2	
Bromomethane	<0.22	ug/m3	1.2	0.22	1.49		05/24/20 18:08	74-83-9	
1,3-Butadiene	<0.15	ug/m3	0.67	0.15	1.49		05/24/20 18:08	106-99-0	
2-Butanone (MEK)	17.7	ug/m3	4.5	0.83	1.49		05/24/20 18:08	78-93-3	
Carbon disulfide	<0.16	ug/m3	0.94	0.16	1.49		05/24/20 18:08	75-15-0	
Carbon tetrachloride	<0.38	ug/m3	1.9	0.38	1.49		05/24/20 18:08	56-23-5	
Chlorobenzene	<0.20	ug/m3	1.4	0.20	1.49		05/24/20 18:08	108-90-7	
Chloroethane	<0.19	ug/m3	0.80	0.19	1.49		05/24/20 18:08	75-00-3	
Chloroform	<0.20	ug/m3	0.74	0.20	1.49		05/24/20 18:08	67-66-3	
Chloromethane	2.4	ug/m3	0.63	0.098	1.49		05/24/20 18:08	74-87-3	
Cyclohexane	1.9J	ug/m3	2.6	0.22	1.49		05/24/20 18:08	110-82-7	
Dibromochloromethane	<0.60	ug/m3	2.6	0.60	1.49		05/24/20 18:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.41	ug/m3	1.2	0.41	1.49		05/24/20 18:08	106-93-4	
1,2-Dichlorobenzene	<0.47	ug/m3	1.8	0.47	1.49		05/24/20 18:08	95-50-1	
1,3-Dichlorobenzene	<0.71	ug/m3	1.8	0.71	1.49		05/24/20 18:08	541-73-1	
1,4-Dichlorobenzene	<1.1	ug/m3	4.6	1.1	1.49		05/24/20 18:08	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.5	0.25	1.49		05/24/20 18:08	75-71-8	
1,1-Dichloroethane	0.49J	ug/m3	1.2	0.17	1.49		05/24/20 18:08	75-34-3	
1,2-Dichloroethane	<0.25	ug/m3	0.61	0.25	1.49		05/24/20 18:08	107-06-2	
1,1-Dichloroethene	<0.18	ug/m3	1.2	0.18	1.49		05/24/20 18:08	75-35-4	
cis-1,2-Dichloroethene	<0.17	ug/m3	1.2	0.17	1.49		05/24/20 18:08	156-59-2	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.49		05/24/20 18:08	156-60-5	
1,2-Dichloropropane	<0.30	ug/m3	1.4	0.30	1.49		05/24/20 18:08	78-87-5	
cis-1,3-Dichloropropene	<0.55	ug/m3	1.4	0.55	1.49		05/24/20 18:08	10061-01-5	
trans-1,3-Dichloropropene	<0.39	ug/m3	1.4	0.39	1.49		05/24/20 18:08	10061-02-6	
Dichlorotetrafluoroethane	<0.24	ug/m3	2.1	0.24	1.49		05/24/20 18:08	76-14-2	
Ethanol	198	ug/m3	2.9	1.4	1.49		05/24/20 18:08	64-17-5	
Ethyl acetate	2.1	ug/m3	1.1	0.27	1.49		05/24/20 18:08	141-78-6	
Ethylbenzene	2.8	ug/m3	1.3	0.21	1.49		05/24/20 18:08	100-41-4	
4-Ethyltoluene	4.8	ug/m3	3.7	0.64	1.49		05/24/20 18:08	622-96-8	
n-Heptane	1.4	ug/m3	1.2	0.29	1.49		05/24/20 18:08	142-82-5	
Hexachloro-1,3-butadiene	<1.9	ug/m3	8.1	1.9	1.49		05/24/20 18:08	87-68-3	
n-Hexane	20.8	ug/m3	1.1	0.30	1.49		05/24/20 18:08	110-54-3	
2-Hexanone	<0.51	ug/m3	6.2	0.51	1.49		05/24/20 18:08	591-78-6	
Methylene Chloride	42.0	ug/m3	5.3	1.4	1.49		05/24/20 18:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.61J	ug/m3	6.2	0.26	1.49		05/24/20 18:08	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	5.5	0.15	1.49		05/24/20 18:08	1634-04-4	
Naphthalene	<1.9	ug/m3	4.0	1.9	1.49		05/24/20 18:08	91-20-3	
2-Propanol	22.7	ug/m3	3.7	0.56	1.49		05/24/20 18:08	67-63-0	
Propylene	<0.15	ug/m3	0.52	0.15	1.49		05/24/20 18:08	115-07-1	
Styrene	1.1J	ug/m3	1.3	0.64	1.49		05/24/20 18:08	100-42-5	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Jim's Lesson Area **Lab ID:** 10518953004 Collected: 05/20/20 15:42 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.46	ug/m3	1.0	0.46	1.49		05/24/20 18:08	79-34-5	
Tetrachloroethene	4390	ug/m3	30.8	12.0	44.7		05/26/20 11:22	127-18-4	
Tetrahydrofuran	6.3	ug/m3	0.89	0.27	1.49		05/24/20 18:08	109-99-9	
Toluene	2.7	ug/m3	1.1	0.25	1.49		05/24/20 18:08	108-88-3	
1,2,4-Trichlorobenzene	<4.9	ug/m3	11.2	4.9	1.49		05/24/20 18:08	120-82-1	
1,1,1-Trichloroethane	0.38J	ug/m3	1.7	0.23	1.49		05/24/20 18:08	71-55-6	
1,1,2-Trichloroethane	<0.30	ug/m3	0.83	0.30	1.49		05/24/20 18:08	79-00-5	
Trichloroethene	1.1	ug/m3	0.81	0.33	1.49		05/24/20 18:08	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	1.7	0.34	1.49		05/24/20 18:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.63J	ug/m3	2.3	0.38	1.49		05/24/20 18:08	76-13-1	
1,2,4-Trimethylbenzene	14.4	ug/m3	1.5	0.46	1.49		05/24/20 18:08	95-63-6	
1,3,5-Trimethylbenzene	5.5	ug/m3	1.5	0.37	1.49		05/24/20 18:08	108-67-8	
Vinyl acetate	<0.26	ug/m3	1.1	0.26	1.49		05/24/20 18:08	108-05-4	
Vinyl chloride	<0.14	ug/m3	0.39	0.14	1.49		05/24/20 18:08	75-01-4	
m&p-Xylene	12.1	ug/m3	2.6	0.50	1.49		05/24/20 18:08	179601-23-1	
o-Xylene	4.1	ug/m3	1.3	0.22	1.49		05/24/20 18:08	95-47-6	

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Jim's N Basement Office **Lab ID:** 10518953005 **Collected:** 05/20/20 15:47 **Received:** 05/22/20 08:30 **Matrix:** Air
Area

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	259	ug/m3	8.8	1.9	1.46		05/26/20 20:30	67-64-1	
Benzene	0.34J	ug/m3	0.47	0.19	1.46		05/26/20 20:30	71-43-2	
Benzyl chloride	<0.69	ug/m3	3.8	0.69	1.46		05/26/20 20:30	100-44-7	
Bromodichloromethane	<0.26	ug/m3	2.0	0.26	1.46		05/26/20 20:30	75-27-4	
Bromoform	<2.6	ug/m3	7.7	2.6	1.46		05/26/20 20:30	75-25-2	
Bromomethane	<0.21	ug/m3	1.2	0.21	1.46		05/26/20 20:30	74-83-9	
1,3-Butadiene	<0.15	ug/m3	0.66	0.15	1.46		05/26/20 20:30	106-99-0	
2-Butanone (MEK)	58.8	ug/m3	4.4	0.82	1.46		05/26/20 20:30	78-93-3	
Carbon disulfide	0.18J	ug/m3	0.92	0.16	1.46		05/26/20 20:30	75-15-0	
Carbon tetrachloride	0.40J	ug/m3	1.9	0.37	1.46		05/26/20 20:30	56-23-5	
Chlorobenzene	<0.19	ug/m3	1.4	0.19	1.46		05/26/20 20:30	108-90-7	
Chloroethane	<0.18	ug/m3	0.78	0.18	1.46		05/26/20 20:30	75-00-3	
Chloroform	<0.19	ug/m3	0.72	0.19	1.46		05/26/20 20:30	67-66-3	
Chloromethane	1.6	ug/m3	0.61	0.096	1.46		05/26/20 20:30	74-87-3	
Cyclohexane	7.6	ug/m3	2.6	0.21	1.46		05/26/20 20:30	110-82-7	
Dibromochloromethane	<0.59	ug/m3	2.5	0.59	1.46		05/26/20 20:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.40	ug/m3	1.1	0.40	1.46		05/26/20 20:30	106-93-4	
1,2-Dichlorobenzene	<0.46	ug/m3	1.8	0.46	1.46		05/26/20 20:30	95-50-1	
1,3-Dichlorobenzene	<0.70	ug/m3	1.8	0.70	1.46		05/26/20 20:30	541-73-1	
1,4-Dichlorobenzene	<1.1	ug/m3	4.5	1.1	1.46		05/26/20 20:30	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.5	0.25	1.46		05/26/20 20:30	75-71-8	
1,1-Dichloroethane	<0.16	ug/m3	1.2	0.16	1.46		05/26/20 20:30	75-34-3	
1,2-Dichloroethane	<0.25	ug/m3	0.60	0.25	1.46		05/26/20 20:30	107-06-2	
1,1-Dichloroethene	<0.17	ug/m3	1.2	0.17	1.46		05/26/20 20:30	75-35-4	
cis-1,2-Dichloroethene	<0.17	ug/m3	1.2	0.17	1.46		05/26/20 20:30	156-59-2	
trans-1,2-Dichloroethene	0.52J	ug/m3	1.2	0.24	1.46		05/26/20 20:30	156-60-5	
1,2-Dichloropropane	<0.29	ug/m3	1.4	0.29	1.46		05/26/20 20:30	78-87-5	
cis-1,3-Dichloropropene	<0.54	ug/m3	1.3	0.54	1.46		05/26/20 20:30	10061-01-5	
trans-1,3-Dichloropropene	<0.38	ug/m3	1.3	0.38	1.46		05/26/20 20:30	10061-02-6	
Dichlorotetrafluoroethane	<0.23	ug/m3	2.1	0.23	1.46		05/26/20 20:30	76-14-2	
Ethanol	798	ug/m3	56.1	27.5	29.2		05/27/20 10:59	64-17-5	
Ethyl acetate	4.0	ug/m3	1.1	0.27	1.46		05/26/20 20:30	141-78-6	
Ethylbenzene	8.3	ug/m3	1.3	0.20	1.46		05/26/20 20:30	100-41-4	
4-Ethyltoluene	4.7	ug/m3	3.6	0.62	1.46		05/26/20 20:30	622-96-8	
n-Heptane	5.5	ug/m3	1.2	0.29	1.46		05/26/20 20:30	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	7.9	1.8	1.46		05/26/20 20:30	87-68-3	
n-Hexane	95.6	ug/m3	1.0	0.29	1.46		05/26/20 20:30	110-54-3	
2-Hexanone	<0.50	ug/m3	6.1	0.50	1.46		05/26/20 20:30	591-78-6	
Methylene Chloride	3.1J	ug/m3	5.2	1.4	1.46		05/26/20 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.3J	ug/m3	6.1	0.26	1.46		05/26/20 20:30	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	5.3	0.15	1.46		05/26/20 20:30	1634-04-4	
Naphthalene	<1.9	ug/m3	3.9	1.9	1.46		05/26/20 20:30	91-20-3	
2-Propanol	67.8	ug/m3	3.6	0.55	1.46		05/26/20 20:30	67-63-0	
Propylene	<0.14	ug/m3	0.51	0.14	1.46		05/26/20 20:30	115-07-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2002226 Martinizing

Pace Project No.: 10518953

Sample: Jim's N Basement Office Area **Lab ID:** 10518953005 Collected: 05/20/20 15:47 Received: 05/22/20 08:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Styrene	3.7	ug/m3	1.3	0.62	1.46		05/26/20 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	<0.45	ug/m3	1.0	0.45	1.46		05/26/20 20:30	79-34-5	
Tetrachloroethene	861	ug/m3	20.1	7.8	29.2		05/27/20 10:59	127-18-4	
Tetrahydrofuran	20.3	ug/m3	0.88	0.27	1.46		05/26/20 20:30	109-99-9	
Toluene	10.9	ug/m3	1.1	0.25	1.46		05/26/20 20:30	108-88-3	
1,2,4-Trichlorobenzene	<4.8	ug/m3	11.0	4.8	1.46		05/26/20 20:30	120-82-1	
1,1,1-Trichloroethane	<0.22	ug/m3	1.6	0.22	1.46		05/26/20 20:30	71-55-6	
1,1,2-Trichloroethane	<0.29	ug/m3	0.81	0.29	1.46		05/26/20 20:30	79-00-5	
Trichloroethene	0.77J	ug/m3	0.80	0.32	1.46		05/26/20 20:30	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.7	0.34	1.46		05/26/20 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.47J	ug/m3	2.3	0.38	1.46		05/26/20 20:30	76-13-1	
1,2,4-Trimethylbenzene	14.8	ug/m3	1.5	0.46	1.46		05/26/20 20:30	95-63-6	
1,3,5-Trimethylbenzene	5.2	ug/m3	1.5	0.36	1.46		05/26/20 20:30	108-67-8	
Vinyl acetate	<0.26	ug/m3	1.0	0.26	1.46		05/26/20 20:30	108-05-4	
Vinyl chloride	<0.14	ug/m3	0.38	0.14	1.46		05/26/20 20:30	75-01-4	
m&p-Xylene	32.2	ug/m3	2.6	0.49	1.46		05/26/20 20:30	179601-23-1	
o-Xylene	10.5	ug/m3	1.3	0.22	1.46		05/26/20 20:30	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2002226 Martinizing
Pace Project No.: 10518953

QC Batch: 677127 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10518953001, 10518953002, 10518953003, 10518953004

METHOD BLANK: 3625027 Matrix: Air
Associated Lab Samples: 10518953001, 10518953002, 10518953003, 10518953004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.076	0.56	05/24/20 12:02	
1,1,2,2-Tetrachloroethane	ug/m3	<0.15	0.35	05/24/20 12:02	
1,1,2-Trichloroethane	ug/m3	<0.099	0.28	05/24/20 12:02	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.13	0.78	05/24/20 12:02	
1,1-Dichloroethane	ug/m3	<0.056	0.41	05/24/20 12:02	
1,1-Dichloroethene	ug/m3	<0.060	0.40	05/24/20 12:02	
1,2,4-Trichlorobenzene	ug/m3	<1.7	3.8	05/24/20 12:02	
1,2,4-Trimethylbenzene	ug/m3	<0.16	0.50	05/24/20 12:02	
1,2-Dibromoethane (EDB)	ug/m3	<0.14	0.39	05/24/20 12:02	
1,2-Dichlorobenzene	ug/m3	<0.16	0.61	05/24/20 12:02	
1,2-Dichloroethane	ug/m3	<0.084	0.21	05/24/20 12:02	
1,2-Dichloropropane	ug/m3	<0.10	0.47	05/24/20 12:02	
1,3,5-Trimethylbenzene	ug/m3	<0.12	0.50	05/24/20 12:02	
1,3-Butadiene	ug/m3	<0.052	0.22	05/24/20 12:02	
1,3-Dichlorobenzene	ug/m3	<0.24	0.61	05/24/20 12:02	
1,4-Dichlorobenzene	ug/m3	<0.37	1.5	05/24/20 12:02	
2-Butanone (MEK)	ug/m3	<0.28	1.5	05/24/20 12:02	
2-Hexanone	ug/m3	<0.17	2.1	05/24/20 12:02	
2-Propanol	ug/m3	<0.19	1.2	05/24/20 12:02	
4-Ethyltoluene	ug/m3	<0.21	1.2	05/24/20 12:02	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.088	2.1	05/24/20 12:02	
Acetone	ug/m3	<0.64	3.0	05/24/20 12:02	
Benzene	ug/m3	<0.065	0.16	05/24/20 12:02	
Benzyl chloride	ug/m3	<0.24	1.3	05/24/20 12:02	
Bromodichloromethane	ug/m3	<0.088	0.68	05/24/20 12:02	
Bromoform	ug/m3	<0.90	2.6	05/24/20 12:02	
Bromomethane	ug/m3	<0.073	0.39	05/24/20 12:02	
Carbon disulfide	ug/m3	<0.054	0.32	05/24/20 12:02	
Carbon tetrachloride	ug/m3	0.21J	0.64	05/24/20 12:02	
Chlorobenzene	ug/m3	<0.066	0.47	05/24/20 12:02	
Chloroethane	ug/m3	<0.063	0.27	05/24/20 12:02	
Chloroform	ug/m3	<0.066	0.25	05/24/20 12:02	
Chloromethane	ug/m3	<0.033	0.21	05/24/20 12:02	
cis-1,2-Dichloroethene	ug/m3	<0.058	0.40	05/24/20 12:02	
cis-1,3-Dichloropropene	ug/m3	<0.19	0.46	05/24/20 12:02	
Cyclohexane	ug/m3	<0.073	0.88	05/24/20 12:02	
Dibromochloromethane	ug/m3	<0.20	0.86	05/24/20 12:02	
Dichlorodifluoromethane	ug/m3	<0.084	0.50	05/24/20 12:02	
Dichlorotetrafluoroethane	ug/m3	<0.079	0.71	05/24/20 12:02	
Ethanol	ug/m3	<0.47	0.96	05/24/20 12:02	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2002226 Martinizing
Pace Project No.: 10518953

METHOD BLANK: 3625027 Matrix: Air
Associated Lab Samples: 10518953001, 10518953002, 10518953003, 10518953004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.092	0.37	05/24/20 12:02	
Ethylbenzene	ug/m3	<0.069	0.44	05/24/20 12:02	
Hexachloro-1,3-butadiene	ug/m3	<0.62	2.7	05/24/20 12:02	
m&p-Xylene	ug/m3	<0.17	0.88	05/24/20 12:02	
Methyl-tert-butyl ether	ug/m3	<0.050	1.8	05/24/20 12:02	
Methylene Chloride	ug/m3	<0.46	1.8	05/24/20 12:02	
n-Heptane	ug/m3	<0.098	0.42	05/24/20 12:02	
n-Hexane	ug/m3	<0.10	0.36	05/24/20 12:02	
Naphthalene	ug/m3	<0.64	1.3	05/24/20 12:02	
o-Xylene	ug/m3	<0.074	0.44	05/24/20 12:02	
Propylene	ug/m3	<0.049	0.18	05/24/20 12:02	
Styrene	ug/m3	<0.21	0.43	05/24/20 12:02	
Tetrachloroethene	ug/m3	<0.13	0.34	05/24/20 12:02	
Tetrahydrofuran	ug/m3	<0.092	0.30	05/24/20 12:02	
Toluene	ug/m3	<0.086	0.38	05/24/20 12:02	
trans-1,2-Dichloroethene	ug/m3	0.13J	0.40	05/24/20 12:02	
trans-1,3-Dichloropropene	ug/m3	<0.13	0.46	05/24/20 12:02	
Trichloroethene	ug/m3	<0.11	0.27	05/24/20 12:02	
Trichlorofluoromethane	ug/m3	<0.12	0.57	05/24/20 12:02	
Vinyl acetate	ug/m3	<0.088	0.36	05/24/20 12:02	
Vinyl chloride	ug/m3	<0.048	0.13	05/24/20 12:02	

LABORATORY CONTROL SAMPLE: 3625028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	63.1	111	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	75.7	105	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	62.8	110	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	98.5	123	70-130	
1,1-Dichloroethane	ug/m3	42.7	46.3	109	70-130	
1,1-Dichloroethene	ug/m3	41.4	49.6	120	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	152	98	70-130	
1,2,4-Trimethylbenzene	ug/m3	51.5	52.6	102	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.3	90.6	113	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	65.4	104	70-136	
1,2-Dichloroethane	ug/m3	42.4	48.2	114	70-130	
1,2-Dichloropropane	ug/m3	48.6	51.1	105	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	51.9	101	70-136	
1,3-Butadiene	ug/m3	23.3	29.3	126	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	67.6	107	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	68.0	107	70-145	
2-Butanone (MEK)	ug/m3	31.4	29.4	94	61-130	
2-Hexanone	ug/m3	42.8	51.5	120	70-138	
2-Propanol	ug/m3	119	137	115	70-136	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2002226 Martinizing
Pace Project No.: 10518953

LABORATORY CONTROL SAMPLE: 3625028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	55.1	105	70-142	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	48.6	111	70-134	
Acetone	ug/m3	126	121	96	59-137	
Benzene	ug/m3	33.5	35.3	105	70-133	
Benzyl chloride	ug/m3	55.1	67.8	123	70-139	
Bromodichloromethane	ug/m3	71.5	81.2	114	70-130	
Bromoform	ug/m3	110	141	128	60-140	
Bromomethane	ug/m3	41.3	50.4	122	70-131	
Carbon disulfide	ug/m3	33.3	36.3	109	70-130	
Carbon tetrachloride	ug/m3	66.2	77.0	116	70-133	
Chlorobenzene	ug/m3	48.3	51.3	106	70-131	
Chloroethane	ug/m3	28.1	37.2	132	70-141	CH
Chloroform	ug/m3	51.1	55.6	109	70-130	
Chloromethane	ug/m3	21.9	25.1	115	64-137	
cis-1,2-Dichloroethene	ug/m3	41.6	45.2	109	70-132	
cis-1,3-Dichloropropene	ug/m3	47.7	54.6	114	70-138	
Cyclohexane	ug/m3	36.7	38.3	104	70-133	
Dibromochloromethane	ug/m3	90.7	108	119	70-139	
Dichlorodifluoromethane	ug/m3	51.6	54.9	107	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	86.9	120	65-133	
Ethanol	ug/m3	103	125	121	65-135	
Ethyl acetate	ug/m3	38.6	42.8	111	70-135	
Ethylbenzene	ug/m3	45.6	47.9	105	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	94.7	85	70-134	
m&p-Xylene	ug/m3	91.2	96.3	106	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	42.2	110	70-131	
Methylene Chloride	ug/m3	182	171	94	69-130	
n-Heptane	ug/m3	43.6	45.2	104	70-130	
n-Hexane	ug/m3	37.6	39.6	105	70-131	
Naphthalene	ug/m3	57.7	53.5	93	63-130	
o-Xylene	ug/m3	45.5	46.3	102	70-135	
Propylene	ug/m3	18.2	19.5	108	63-139	
Styrene	ug/m3	44.9	51.5	115	70-143	
Tetrachloroethene	ug/m3	71	74.7	105	70-136	
Tetrahydrofuran	ug/m3	31.5	36.5	116	70-137	
Toluene	ug/m3	39.5	42.2	107	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	45.7	108	70-132	
trans-1,3-Dichloropropene	ug/m3	47.7	55.5	116	70-139	
Trichloroethene	ug/m3	56.3	60.8	108	70-132	
Trichlorofluoromethane	ug/m3	59.7	71.0	119	65-136	
Vinyl acetate	ug/m3	34.5	40.0	116	66-140	
Vinyl chloride	ug/m3	26.7	32.9	123	68-141	

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

SAMPLE DUPLICATE: 3625393

Parameter	Units	10518953001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.36	<0.36			25
1,1,2,2-Tetrachloroethane	ug/m3	<0.74	<0.74			25
1,1,2-Trichloroethane	ug/m3	<0.48	<0.48			25
1,1,2-Trichlorotrifluoroethane	ug/m3	0.91J	0.74J			25
1,1-Dichloroethane	ug/m3	<0.27	<0.27			25
1,1-Dichloroethene	ug/m3	<0.29	<0.29			25
1,2,4-Trichlorobenzene	ug/m3	<7.9	<7.9			25
1,2,4-Trimethylbenzene	ug/m3	1.2J	1.1J			25
1,2-Dibromoethane (EDB)	ug/m3	<0.66	<0.66			25
1,2-Dichlorobenzene	ug/m3	<0.76	<0.76			25
1,2-Dichloroethane	ug/m3	<0.41	<0.41			25
1,2-Dichloropropane	ug/m3	<0.48	<0.48			25
1,3,5-Trimethylbenzene	ug/m3	0.77J	<0.60			25
1,3-Butadiene	ug/m3	<0.25	<0.25			25
1,3-Dichlorobenzene	ug/m3	<1.1	<1.1			25
1,4-Dichlorobenzene	ug/m3	<1.8	<1.8			25
2-Butanone (MEK)	ug/m3	4.8J	4.8J			25
2-Hexanone	ug/m3	<0.83	<0.83			25
2-Propanol	ug/m3	3.4J	4.8J			25
4-Ethyltoluene	ug/m3	<1.0	<1.0			25
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.42	<0.42			25
Acetone	ug/m3	18.8	18.1	4		25
Benzene	ug/m3	0.51J	0.49J			25
Benzyl chloride	ug/m3	<1.1	<1.1			25
Bromodichloromethane	ug/m3	<0.42	<0.42			25
Bromoform	ug/m3	<4.3	<4.3			25
Bromomethane	ug/m3	<0.35	<0.35			25
Carbon disulfide	ug/m3	<0.26	<0.26			25
Carbon tetrachloride	ug/m3	<0.61	<0.61			25
Chlorobenzene	ug/m3	<0.32	<0.32			25
Chloroethane	ug/m3	<0.30	<0.30			25
Chloroform	ug/m3	1.1J	0.95J			25
Chloromethane	ug/m3	1.5	1.4	6		25
cis-1,2-Dichloroethene	ug/m3	<0.28	<0.28			25
cis-1,3-Dichloropropene	ug/m3	<0.89	<0.89			25
Cyclohexane	ug/m3	<0.35	0.69J			25
Dibromochloromethane	ug/m3	<0.96	<0.96			25
Dichlorodifluoromethane	ug/m3	3.6	3.4	7		25
Dichlorotetrafluoroethane	ug/m3	<0.38	<0.38			25
Ethanol	ug/m3	302	298	2		25
Ethyl acetate	ug/m3	<0.44	<0.44			25
Ethylbenzene	ug/m3	<0.33	<0.33			25
Hexachloro-1,3-butadiene	ug/m3	<3.0	<3.0			25
m&p-Xylene	ug/m3	<0.81	<0.81			25
Methyl-tert-butyl ether	ug/m3	<0.24	<0.24			25
Methylene Chloride	ug/m3	5.0J	5.3J			25
n-Heptane	ug/m3	<0.47	<0.47			25

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

SAMPLE DUPLICATE: 3625393

Parameter	Units	10518953001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	1.0J	1.1J		25	
Naphthalene	ug/m3	<3.0	<3.0		25	
o-Xylene	ug/m3	<0.36	<0.36		25	
Propylene	ug/m3	<0.24	<0.24		25	
Styrene	ug/m3	<1.0	<1.0		25	
Tetrachloroethene	ug/m3	408	391	4	25	
Tetrahydrofuran	ug/m3	<0.44	<0.44		25	
Toluene	ug/m3	1.4J	1.4J		25	
trans-1,2-Dichloroethene	ug/m3	<0.40	0.64J		25	
trans-1,3-Dichloropropene	ug/m3	<0.63	<0.63		25	
Trichloroethene	ug/m3	<0.53	<0.53		25	
Trichlorofluoromethane	ug/m3	2.1J	2.1J		25	
Vinyl acetate	ug/m3	<0.42	<0.42		25	
Vinyl chloride	ug/m3	<0.23	<0.23		25	

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QUALITY CONTROL DATA

Project: 2002226 Martinizing
Pace Project No.: 10518953

QC Batch: 677342 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10518953005

METHOD BLANK: 3625649 Matrix: Air
Associated Lab Samples: 10518953005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.15	1.1	05/26/20 12:01	
1,1,2,2-Tetrachloroethane	ug/m3	<0.31	0.70	05/26/20 12:01	
1,1,2-Trichloroethane	ug/m3	<0.20	0.56	05/26/20 12:01	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.26	1.6	05/26/20 12:01	
1,1-Dichloroethane	ug/m3	<0.11	0.82	05/26/20 12:01	
1,1-Dichloroethene	ug/m3	<0.12	0.81	05/26/20 12:01	
1,2,4-Trichlorobenzene	ug/m3	<3.3	7.5	05/26/20 12:01	
1,2,4-Trimethylbenzene	ug/m3	<0.31	1.0	05/26/20 12:01	
1,2-Dibromoethane (EDB)	ug/m3	<0.28	0.78	05/26/20 12:01	
1,2-Dichlorobenzene	ug/m3	<0.32	1.2	05/26/20 12:01	
1,2-Dichloroethane	ug/m3	<0.17	0.41	05/26/20 12:01	
1,2-Dichloropropane	ug/m3	<0.20	0.94	05/26/20 12:01	
1,3,5-Trimethylbenzene	ug/m3	<0.25	1.0	05/26/20 12:01	
1,3-Butadiene	ug/m3	<0.10	0.45	05/26/20 12:01	
1,3-Dichlorobenzene	ug/m3	<0.48	1.2	05/26/20 12:01	
1,4-Dichlorobenzene	ug/m3	<0.74	3.1	05/26/20 12:01	
2-Butanone (MEK)	ug/m3	<0.56	3.0	05/26/20 12:01	
2-Hexanone	ug/m3	<0.34	4.2	05/26/20 12:01	
2-Propanol	ug/m3	<0.38	2.5	05/26/20 12:01	
4-Ethyltoluene	ug/m3	<0.43	2.5	05/26/20 12:01	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.18	4.2	05/26/20 12:01	
Acetone	ug/m3	<1.3	6.0	05/26/20 12:01	
Benzene	ug/m3	<0.13	0.32	05/26/20 12:01	
Benzyl chloride	ug/m3	<0.47	2.6	05/26/20 12:01	
Bromodichloromethane	ug/m3	<0.18	1.4	05/26/20 12:01	
Bromoform	ug/m3	<1.8	5.2	05/26/20 12:01	
Bromomethane	ug/m3	<0.15	0.79	05/26/20 12:01	
Carbon disulfide	ug/m3	<0.11	0.63	05/26/20 12:01	
Carbon tetrachloride	ug/m3	<0.26	1.3	05/26/20 12:01	
Chlorobenzene	ug/m3	<0.13	0.94	05/26/20 12:01	
Chloroethane	ug/m3	<0.13	0.54	05/26/20 12:01	
Chloroform	ug/m3	<0.13	0.50	05/26/20 12:01	
Chloromethane	ug/m3	<0.066	0.42	05/26/20 12:01	
cis-1,2-Dichloroethene	ug/m3	<0.12	0.81	05/26/20 12:01	
cis-1,3-Dichloropropene	ug/m3	<0.37	0.92	05/26/20 12:01	
Cyclohexane	ug/m3	<0.15	1.8	05/26/20 12:01	
Dibromochloromethane	ug/m3	<0.40	1.7	05/26/20 12:01	
Dichlorodifluoromethane	ug/m3	<0.17	1.0	05/26/20 12:01	
Dichlorotetrafluoroethane	ug/m3	<0.16	1.4	05/26/20 12:01	
Ethanol	ug/m3	<0.94	1.9	05/26/20 12:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2002226 Martinizing
Pace Project No.: 10518953

METHOD BLANK: 3625649

Matrix: Air

Associated Lab Samples: 10518953005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.18	0.73	05/26/20 12:01	
Ethylbenzene	ug/m3	<0.14	0.88	05/26/20 12:01	
Hexachloro-1,3-butadiene	ug/m3	<1.2	5.4	05/26/20 12:01	
m&p-Xylene	ug/m3	<0.34	1.8	05/26/20 12:01	
Methyl-tert-butyl ether	ug/m3	<0.10	3.7	05/26/20 12:01	
Methylene Chloride	ug/m3	<0.93	3.5	05/26/20 12:01	
n-Heptane	ug/m3	<0.20	0.83	05/26/20 12:01	
n-Hexane	ug/m3	<0.20	0.72	05/26/20 12:01	
Naphthalene	ug/m3	<1.3	2.7	05/26/20 12:01	
o-Xylene	ug/m3	<0.15	0.88	05/26/20 12:01	
Propylene	ug/m3	<0.098	0.35	05/26/20 12:01	
Styrene	ug/m3	<0.43	0.87	05/26/20 12:01	
Tetrachloroethene	ug/m3	<0.27	0.69	05/26/20 12:01	
Tetrahydrofuran	ug/m3	<0.18	0.60	05/26/20 12:01	
Toluene	ug/m3	<0.17	0.77	05/26/20 12:01	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	05/26/20 12:01	
trans-1,3-Dichloropropene	ug/m3	<0.26	0.92	05/26/20 12:01	
Trichloroethene	ug/m3	<0.22	0.55	05/26/20 12:01	
Trichlorofluoromethane	ug/m3	<0.23	1.1	05/26/20 12:01	
Vinyl acetate	ug/m3	<0.18	0.72	05/26/20 12:01	
Vinyl chloride	ug/m3	<0.096	0.26	05/26/20 12:01	

LABORATORY CONTROL SAMPLE: 3625650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	56.7	49.5	87	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	73.4	60.1	82	70-132	
1,1,2-Trichloroethane	ug/m3	57.4	49.7	86	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.1	64.8	80	70-130	
1,1-Dichloroethane	ug/m3	43	36.1	84	70-130	
1,1-Dichloroethene	ug/m3	43.2	34.8	80	69-137	
1,2,4-Trichlorobenzene	ug/m3	81.1	59.5	73	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.3	44.8	86	70-137	
1,2-Dibromoethane (EDB)	ug/m3	82.1	73.2	89	70-138	
1,2-Dichlorobenzene	ug/m3	63.2	51.7	82	70-136	
1,2-Dichloroethane	ug/m3	42.8	37.3	87	70-130	
1,2-Dichloropropane	ug/m3	48.8	41.7	85	70-132	
1,3,5-Trimethylbenzene	ug/m3	53	43.1	81	70-136	
1,3-Butadiene	ug/m3	24.6	19.9	81	67-139	
1,3-Dichlorobenzene	ug/m3	60.3	53.9	89	70-138	
1,4-Dichlorobenzene	ug/m3	66	53.9	82	70-145	
2-Butanone (MEK)	ug/m3	30	23.5	78	61-130	
2-Hexanone	ug/m3	37.6	34.1	91	70-138	
2-Propanol	ug/m3	27.5	21.7	79	70-136	

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

LABORATORY CONTROL SAMPLE: 3625650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.7	46.9	89	70-142	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.1	37.6	89	70-134	
Acetone	ug/m3	26.2	21.6	82	59-137	
Benzene	ug/m3	34.4	27.4	80	70-133	
Benzyl chloride	ug/m3	52.4	39.9	76	70-139	
Bromodichloromethane	ug/m3	69.1	62.6	91	70-130	
Bromoform	ug/m3	108	116	107	60-140	
Bromomethane	ug/m3	41	30.3	74	70-131	
Carbon disulfide	ug/m3	34.3	27.3	79	70-130	
Carbon tetrachloride	ug/m3	65.5	60.8	93	70-133	
Chlorobenzene	ug/m3	49.5	40.4	82	70-131	
Chloroethane	ug/m3	28	22.7	81	70-141	
Chloroform	ug/m3	50	42.3	85	70-130	
Chloromethane	ug/m3	22.1	19.4	88	64-137	
cis-1,2-Dichloroethene	ug/m3	41.8	34.7	83	70-132	
cis-1,3-Dichloropropene	ug/m3	46	45.0	98	70-138	
Cyclohexane	ug/m3	36.4	31.5	86	70-133	
Dibromochloromethane	ug/m3	88.7	81.6	92	70-139	
Dichlorodifluoromethane	ug/m3	54.9	42.3	77	70-130	
Dichlorotetrafluoroethane	ug/m3	77.9	65.0	83	65-133	
Ethanol	ug/m3	21.1	14.4	68	65-135	
Ethyl acetate	ug/m3	37.7	29.0	77	70-135	
Ethylbenzene	ug/m3	46.3	38.8	84	70-142	
Hexachloro-1,3-butadiene	ug/m3	116	94.4	81	70-134	
m&p-Xylene	ug/m3	46	40.1	87	70-141	
Methyl-tert-butyl ether	ug/m3	34.9	30.9	89	70-131	
Methylene Chloride	ug/m3	38.8	35.8	92	69-130	
n-Heptane	ug/m3	42.8	35.5	83	70-130	
n-Hexane	ug/m3	36.8	29.0	79	70-131	
Naphthalene	ug/m3	58.3	39.1	67	63-130	
o-Xylene	ug/m3	46.5	37.6	81	70-135	
Propylene	ug/m3	18.3	14.9	81	63-139	
Styrene	ug/m3	45.2	39.3	87	70-143	
Tetrachloroethene	ug/m3	74.9	62.7	84	70-136	
Tetrahydrofuran	ug/m3	29.8	24.9	84	70-137	
Toluene	ug/m3	40.4	34.0	84	70-136	
trans-1,2-Dichloroethene	ug/m3	41.9	35.4	84	70-132	
trans-1,3-Dichloropropene	ug/m3	43.4	42.5	98	70-139	
Trichloroethene	ug/m3	56.7	49.4	87	70-132	
Trichlorofluoromethane	ug/m3	59.6	50.1	84	65-136	
Vinyl acetate	ug/m3	32.5	28.3	87	66-140	
Vinyl chloride	ug/m3	28.5	23.1	81	68-141	

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

SAMPLE DUPLICATE: 3626648

Parameter	Units	10519040001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.26			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.52			25
1,1,2-Trichloroethane	ug/m3	ND	<0.33			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.49J			25
1,1-Dichloroethane	ug/m3	ND	<0.19			25
1,1-Dichloroethene	ug/m3	ND	<0.20			25
1,2,4-Trichlorobenzene	ug/m3	ND	<5.6			25
1,2,4-Trimethylbenzene	ug/m3	1.8	1.9	6		25
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.46			25
1,2-Dichlorobenzene	ug/m3	ND	<0.53			25
1,2-Dichloroethane	ug/m3	ND	<0.28			25
1,2-Dichloropropane	ug/m3	ND	<0.34			25
1,3,5-Trimethylbenzene	ug/m3	ND	0.76J			25
1,3-Butadiene	ug/m3	ND	<0.17			25
1,3-Dichlorobenzene	ug/m3	ND	<0.80			25
1,4-Dichlorobenzene	ug/m3	ND	<1.2			25
2-Butanone (MEK)	ug/m3	ND	1.1J			25
2-Hexanone	ug/m3	ND	<0.58			25
2-Propanol	ug/m3	ND	1.4J			25
4-Ethyltoluene	ug/m3	ND	<0.72			25
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.30			25
Acetone	ug/m3	ND	9.5J			25
Benzene	ug/m3	0.73	0.73	1		25
Benzyl chloride	ug/m3	ND	<0.79			25
Bromodichloromethane	ug/m3	ND	<0.30			25
Bromoform	ug/m3	ND	<3.0			25
Bromomethane	ug/m3	ND	<0.25			25
Carbon disulfide	ug/m3	ND	<0.18			25
Carbon tetrachloride	ug/m3	ND	0.46J			25
Chlorobenzene	ug/m3	ND	<0.22			25
Chloroethane	ug/m3	ND	<0.21			25
Chloroform	ug/m3	ND	<0.22			25
Chloromethane	ug/m3	0.98	1.0	2		25
cis-1,2-Dichloroethene	ug/m3	ND	<0.19			25
cis-1,3-Dichloropropene	ug/m3	ND	<0.62			25
Cyclohexane	ug/m3	ND	1.4J			25
Dibromochloromethane	ug/m3	ND	<0.67			25
Dichlorodifluoromethane	ug/m3	2.4	2.5	2		25
Dichlorotetrafluoroethane	ug/m3	ND	<0.27			25
Ethanol	ug/m3	14.3	14.9	4		25
Ethyl acetate	ug/m3	ND	<0.31			25
Ethylbenzene	ug/m3	ND	0.94J			25
Hexachloro-1,3-butadiene	ug/m3	ND	<2.1			25
m&p-Xylene	ug/m3	4.2	4.3	3		25
Methyl-tert-butyl ether	ug/m3	ND	<0.17			25
Methylene Chloride	ug/m3	7.4	7.7	5		25
n-Heptane	ug/m3	1.6	1.6	0		25

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

SAMPLE DUPLICATE: 3626648

Parameter	Units	10519040001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	2.1	2.2	4	25	
Naphthalene	ug/m3	ND	<2.1		25	
o-Xylene	ug/m3	ND	1.4J		25	
Propylene	ug/m3	1.0	<0.16		25	
Styrene	ug/m3	ND	<0.72		25	
Tetrachloroethene	ug/m3	1.9	1.9	1	25	
Tetrahydrofuran	ug/m3	ND	<0.31		25	
Toluene	ug/m3	4.4	4.6	5	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.44		25	
Trichloroethene	ug/m3	ND	<0.37		25	
Trichlorofluoromethane	ug/m3	ND	1.4J		25	
Vinyl acetate	ug/m3	ND	<0.30		25	
Vinyl chloride	ug/m3	ND	<0.16		25	

SAMPLE DUPLICATE: 3626650

Parameter	Units	10519041002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.24		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.48		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.40		25	
1,1-Dichloroethane	ug/m3	ND	<0.18		25	
1,1-Dichloroethene	ug/m3	ND	<0.18		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.1		25	
1,2,4-Trimethylbenzene	ug/m3	ND	0.62J		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.43		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.49		25	
1,2-Dichloroethane	ug/m3	ND	<0.26		25	
1,2-Dichloropropane	ug/m3	ND	<0.31		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.39		25	
1,3-Butadiene	ug/m3	ND	<0.16		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.74		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.1		25	
2-Butanone (MEK)	ug/m3	ND	1.1J		25	
2-Hexanone	ug/m3	ND	<0.53		25	
2-Propanol	ug/m3	ND	3.2J		25	
4-Ethyltoluene	ug/m3	ND	<0.66		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.27		25	
Acetone	ug/m3	11.4	11.8	3	25	
Benzene	ug/m3	0.74	0.72	3	25	
Benzyl chloride	ug/m3	ND	<0.73		25	
Bromodichloromethane	ug/m3	ND	<0.27		25	
Bromoform	ug/m3	ND	<2.8		25	
Bromomethane	ug/m3	ND	<0.23		25	

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QUALITY CONTROL DATA

Project: 2002226 Martinizing

Pace Project No.: 10518953

SAMPLE DUPLICATE: 3626650

Parameter	Units	10519041002 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.17		25	
Carbon tetrachloride	ug/m3	ND	<0.40		25	
Chlorobenzene	ug/m3	ND	<0.21		25	
Chloroethane	ug/m3	ND	<0.20		25	
Chloroform	ug/m3	ND	<0.21		25	
Chloromethane	ug/m3	1.0	1.0	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.18		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.58		25	
Cyclohexane	ug/m3	ND	0.64J		25	
Dibromochloromethane	ug/m3	ND	<0.62		25	
Dichlorodifluoromethane	ug/m3	2.5	2.6	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.24		25	
Ethanol	ug/m3	11.6	10.9	6	25	
Ethyl acetate	ug/m3	ND	<0.29		25	
Ethylbenzene	ug/m3	ND	0.44J		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<1.9		25	
m&p-Xylene	ug/m3	ND	1.8J		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.16		25	
Methylene Chloride	ug/m3	6.0	6.5	8	25	
n-Heptane	ug/m3	ND	0.67J		25	
n-Hexane	ug/m3	1.8	1.7	2	25	
Naphthalene	ug/m3	ND	<2.0		25	
o-Xylene	ug/m3	ND	0.64J		25	
Propylene	ug/m3	ND	<0.15		25	
Styrene	ug/m3	ND	<0.66		25	
Tetrachloroethene	ug/m3	11.9	11.9	0	25	
Tetrahydrofuran	ug/m3	ND	<0.28		25	
Toluene	ug/m3	3.1	3.0	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.26		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.41		25	
Trichloroethene	ug/m3	ND	<0.34		25	
Trichlorofluoromethane	ug/m3	ND	1.6J		25	
Vinyl acetate	ug/m3	ND	<0.27		25	
Vinyl chloride	ug/m3	ND	<0.15		25	

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QUALIFIERS

Project: 2002226 Martinizing

Pace Project No.: 10518953

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.

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2002226 Martinizing
Pace Project No.: 10518953

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10518953001	Taekwondo	TO-15	677127		
10518953002	EDW. Jones	TO-15	677127		
10518953003	Jim's Retail Area	TO-15	677127		
10518953004	Jim's Lesson Area	TO-15	677127		
10518953005	Jim's N Basement Office Area	TO-15	677342		

REPORT OF LABORATORY ANALYSIS

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Document Name: Air Sample Condition Upon Receipt

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Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt

Client Name: GEI

Project #:

WO#: 10518953

PM: AW1

Due Date: 06/01/20

CLIENT: GEI - WI

Courier: Fed Ex, UPS, USPS, Client, Pace, SpeeDee, 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): Corrected Temp (°C): Thermometer Used: G87A9170600254, G87A9155100842

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents: RB 5/22/20

Type of ice Received Blue, Wet, None

Comments:

Table with 13 rows of custody and inspection questions, including Chain of Custody Present, Filled Out, Relinquished, and container integrity checks.

Gauge # 10AIR26, 10AIR34, 10AIR35, 4097

Table with 10 columns: Sample Number, Can ID, Flow Controller, Initial Pressure, Final Pressure (repeated for two sets of canisters).

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes, No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Ashley Williams

Date: 05/22/2020

Innovative Properties
 1233 South Military Road, Green Bay, Wisconsin
 Summary of Vapor Sampling Test Results

				Tetrachloroethylene (ug/m ³)		
Sampling ID		Sample Location	First Floor/Basement	3/4/2020	4/2/2020	5/20/2020
Ambient Air	AA1	Jim's Music Retail (Front / West)	First floor	338	555/365	940
	AA2	Jim's Music Retail (Back / East)	First floor	411	not sampled	not sampled
	AA3	Jim's Music Lesson	First floor	827/983	2510	4390
	AA4	Jim's Music Retail	N. Basement	382	1230	861
	AA5	Jim's Music Lesson	S. Basement	807/909	not sampled	not sampled
	AA6	Edward Jones Financial	First floor	292	not sampled	422
	AA7	Outdoor Near Vent	Outdoors	23	not sampled	not sampled
	AA8	Former William's Taekwondo	First floor	1420/2270	805	408
Sub-slab Soil Vapor	SSV1	One-Hour Martinizing	First floor	6350		
	SSV2	Jim's Music Retail (Front / West)	First floor	99		
	SSV3	Edward Jones Financial	First floor	306		
	SSV5	Jim's Music Lesson (South wall)	Basement	56700		
	SSV6	Former William's Taekwondo	First floor	6220		
	Sump-1	Jim's Music Retail (Northwest Sump)	Basement	14200		
	Sump-2	Jim's Music Retail (East Sump)	Basement	429		
	Sump-3	Jim's Music Lesson (Ejector Pit)	Basement	1410		
Sump-4	Jim's Music Lesson (Sump)	Basement	1670			