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METCO 709 Gillette St., Ste 3, La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: [rona@metcofs.com](mailto:rona@metcofs.com) ♦ [www.metcofs.com](http://www.metcofs.com)

February 19, 2021

BRRTS #: 02-72-000296

Wisconsin Department of Natural Resources  
Duabchi Vang  
1300 W. Clairemont Ave  
Eau Claire, WI 54701

RE: Garry's 1 Hour Cleaners Vapor Sampling Results

Dear Ms. Vang,

Attached are the Sub-Slab Vapor Sampling (SSVS) results for the Garry's 1 Hour Cleaners site located at 912 S Central Avenue in Marshfield, Wisconsin, which were collected on February 2, 2021.

Several laboratory detections were noted in the six vapor samples collected (four sub slab samples, 1 floor drain sample, and 1 manhole sample); two compounds exceeded the Small Commercial Sub Slab Vapor Action Level which included: Tetrachloroethylene at 105000 ug/m<sup>3</sup> and Trichloroethylene at 3460 ug/m<sup>3</sup> in sample SS-3 and Tetrachloroethylene at 11800 ug/m<sup>3</sup> and Trichloroethylene at 1000 ug/m<sup>3</sup> in sample SS-4.

If you have any questions regarding these results or need additional information, please feel free to contact me at our La Crosse office (608) 781-8879 or email at [jasonp@metcofs.com](mailto:jasonp@metcofs.com).

Sincerely,

Jason T. Powell  
Staff Scientist

Attachments

A.4 Vapor Analytical Table  
 Sub-Slab Sampling Data Table for Garry's 1 Hour Cleaners  
 BY METCO

Sub-Slab Sampling conducted on February 4, 2021

Sample ID							WDNR	WDNR	WDNR	
	SS-1	SS-2	SS-3	SS-4	FD-1	MH-1	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017  (ug/m <sup>3</sup> )	Residential Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017  (ug/m <sup>3</sup> )	Large Commercial/Industrial Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017  (ug/m <sup>3</sup> )	
Benzene – ug/m <sup>3</sup>	0.82	0.60J	<29.9	<7.9	0.73	0.60J	530	120	1600	c
Carbon Tetrachloride – ug/m <sup>3</sup>	<0.41	<0.40	<46.8	<12.4	<0.42	<0.44	670	160	2000	c
Chloroform – ug/m <sup>3</sup>	0.74J	1.2	<32.5	<8.6	13.1	<0.30	180	40	530	c
Chloromethane – ug/m <sup>3</sup>	2.0	1.6	<17.0	<4.5	<0.15	<0.16	13000	3100	39000	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	2.6	2.6	<120	<31.9	2.7	2.8	15000	3300	44000	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	<0.25	<0.24	<27.9	<7.4	<0.25	<0.26	2600	600	7700	c
1,2-Dichloroethane (1,2-DCA) – ug/m <sup>3</sup>	<0.25	<0.25	<28.8	<7.6	<0.26	<0.27	160	37	470	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	<0.25	<0.24	<27.9	<7.4	<0.25	<0.26	29000	7000	88000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	4.6-4.92	23.1-23.42	2207.70J	1306.10J	<0.61	<0.63	NA	NA	NA	-
Ethylbenzene – ug/m <sup>3</sup>	1.3J	0.63J	<34.0	<9.0	0.59J	0.37J	1600	370	4900	c
Methylene chloride – ug/m <sup>3</sup>	<2.3	<2.3	<264	<69.8	<2.4	<2.5	87000	21000	260000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<0.26	<0.25	<29.2	<7.7	<0.26	<0.27	16000	3700	47000	c
Naphthalene – ug/m <sup>3</sup>	<3.6	<3.6	<413	<109	<3.7	<3.9	120	28	360	c
Tetrachloroethylene -ug/m <sup>3</sup>	74.4	751	<b>105000</b>	<b>11800</b>	13.0	0.63J	6000	1400	18000	n
Toluene – ug/m <sup>3</sup>	3.3	3.4	<26.4	<b>14.4J</b>	3.4	1.0J	730000	170000	2200000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	<0.36	<0.36	<41.3	<10.9	0.57J	<0.39	730000	170000	2200000	n
Trichloroethylene – ug/m <sup>3</sup>	9.2	59.0	<b>3460</b>	<b>1000</b>	0.91J	<0.43	290	70	880	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	4.0	4.5	<49.8	<13.2	2.3J	1.9J	NA	NA	NA	-
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	2.0	0.81J	<42.6	<11.3	1.1J	<0.40	8700	2100	26000	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	1.0J	<0.39	<44.8	<11.9	<0.40	0.49J	8700	2100	26000	n
Vinyl chloride – ug/m <sup>3</sup>	<0.16	<0.16	<18.5	<4.9	<0.17	<0.17	930	57	2800	c
Xylene (total) -ug/m <sup>3</sup>	7.50	3.30J	<116.60	<30.90	2.78J	2.26J	15000	3300	44000	n

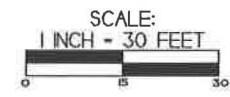
ug/m<sup>3</sup> = Micrograms per cubic meter.  
 < = Less than the reporting limit indicated in parentheses.  
 Bold = Sub-Slab Standard Exceedance  
 NS = Not sampled  
 c = Carcinogen  
 n = Non Carcinogen  
 J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)  
 \* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.  
 B = Compound was found in the blank and sample  
 E = Result exceeded calibration range



<b>DETAILED SITE LAYOUT MAP</b> <b>GARY'S 1 HOUR CLEANERS</b>		
	<b>MARSHFIELD, WISCONSIN</b> <small>709 Gillette St., Ste. 3          La Crosse, WI 54601          Tel: (608) 781-8878          Fax: (608) 781-8893</small> DRAWN BY: JP DATE: 2/2/21	

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- - SUB SLAB VAPOR SAMPLING LOCATION (JANUARY 2008)
- ☒ - SUB SLAB VAPOR SAMPLING LOCATION FEBRUARY 2021
- - FLOOR DRAIN SAMPLE LOCATION
- ▣ - STORMWATER CATCH BASIN
- ⊕ - SEWER MANHOLE
- — — — — - PROPERTY LINE
- · — · — · — - WATER LINE
- · · · · · - SANITARY SEWER LINE
- · · · · · - NATURAL GAS
- · · · · · - PHONE/FIBER OPTIC
- · · · · · - UNDERGROUND ELECTRIC
- · · · · · - STORM SEWER LINE





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

February 12, 2021

Nicholas Stingl  
Braun Intertec  
2309 Palace Street  
La Crosse, WI 54603

RE: Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Dear Nicholas Stingl:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2021. 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,

Bob Michels  
bob.michels@pacelabs.com  
(612)709-5046  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

### Pace Analytical Services, LLC - 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 Tribal Water Systems+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  
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 (1700) #: CL101  
Ohio VAP Certification (1800) #: CL110\*  
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: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10546963001	SS-1	Air	02/02/21 09:31	02/04/21 09:46
10546963002	SS-2	Air	02/02/21 10:45	02/04/21 09:46
10546963003	SS-3	Air	02/02/21 11:54	02/04/21 09:46
10546963004	SS-4	Air	02/02/21 13:21	02/04/21 09:46
10546963005	FD-1	Air	02/02/21 12:54	02/04/21 09:46
10546963006	MH-1	Air	02/02/21 13:53	02/04/21 09:46
10546963007	FD-1 (HOLD)	Air	02/02/21 12:43	02/04/21 09:46
10546963008	SS-2 (HOLD)	Air	02/02/21 10:32	02/04/21 09:46

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**SAMPLE ANALYTE COUNT**

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10546963001	SS-1	TO-15	AFV	61	PASI-M
10546963002	SS-2	TO-15	AFV	61	PASI-M
10546963003	SS-3	TO-15	AFV	66	PASI-M
10546963004	SS-4	TO-15	AFV	65	PASI-M
10546963005	FD-1	TO-15	MLS	65	PASI-M
10546963006	MH-1	TO-15	AFV	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

**REPORT OF LABORATORY ANALYSIS**

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### SUMMARY OF DETECTION

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>10546963001</b>	<b>SS-1</b>					
TO-15	Acetone	278	ug/m3	11.7	02/09/21 23:36	
TO-15	Benzene	0.82	ug/m3	0.63	02/09/21 23:36	
TO-15	2-Butanone (MEK)	21.4	ug/m3	5.8	02/09/21 23:36	
TO-15	Carbon disulfide	0.44J	ug/m3	1.2	02/09/21 23:36	
TO-15	Chloroform	0.74J	ug/m3	0.96	02/09/21 23:36	
TO-15	Chloromethane	2.0	ug/m3	0.81	02/09/21 23:36	
TO-15	Cyclohexane	4.6	ug/m3	3.4	02/09/21 23:36	
TO-15	1,3-Dichlorobenzene	1.8J	ug/m3	2.4	02/09/21 23:36	
TO-15	Dichlorodifluoromethane	2.6	ug/m3	2.0	02/09/21 23:36	
TO-15	cis-1,2-Dichloroethene	4.6	ug/m3	1.6	02/09/21 23:36	
TO-15	Ethanol	342	ug/m3	3.7	02/09/21 23:36	
TO-15	Ethyl acetate	7.2	ug/m3	1.4	02/09/21 23:36	
TO-15	Ethylbenzene	1.3J	ug/m3	1.7	02/09/21 23:36	
TO-15	4-Ethyltoluene	1.3J	ug/m3	4.8	02/09/21 23:36	
TO-15	n-Hexane	9.7	ug/m3	1.4	02/09/21 23:36	
TO-15	2-Propanol	103	ug/m3	4.8	02/09/21 23:36	
TO-15	Styrene	2.7	ug/m3	1.7	02/09/21 23:36	
TO-15	Tetrachloroethene	74.4	ug/m3	1.3	02/09/21 23:36	
TO-15	Tetrahydrofuran	25.7	ug/m3	1.2	02/09/21 23:36	
TO-15	Toluene	3.3	ug/m3	1.5	02/09/21 23:36	
TO-15	Trichloroethene	9.2	ug/m3	1.1	02/09/21 23:36	
TO-15	Trichlorofluoromethane	4.0	ug/m3	2.2	02/09/21 23:36	
TO-15	1,1,2-Trichlorotrifluoroethane	0.76J	ug/m3	3.0	02/09/21 23:36	
TO-15	1,2,4-Trimethylbenzene	2.0	ug/m3	1.9	02/09/21 23:36	
TO-15	1,3,5-Trimethylbenzene	1.0J	ug/m3	1.9	02/09/21 23:36	
TO-15	m&p-Xylene	5.6	ug/m3	3.4	02/09/21 23:36	
TO-15	o-Xylene	1.9	ug/m3	1.7	02/09/21 23:36	
<b>10546963002</b>	<b>SS-2</b>					
TO-15	Acetone	211	ug/m3	11.5	02/09/21 23:07	
TO-15	Benzene	0.60J	ug/m3	0.62	02/09/21 23:07	
TO-15	2-Butanone (MEK)	6.7	ug/m3	5.7	02/09/21 23:07	
TO-15	Chlorobenzene	0.35J	ug/m3	1.8	02/09/21 23:07	
TO-15	Chloroform	1.2	ug/m3	0.94	02/09/21 23:07	
TO-15	Chloromethane	1.6	ug/m3	0.80	02/09/21 23:07	
TO-15	Cyclohexane	6.1	ug/m3	3.3	02/09/21 23:07	
TO-15	1,4-Dichlorobenzene	1.9J	ug/m3	5.8	02/09/21 23:07	
TO-15	Dichlorodifluoromethane	2.6	ug/m3	1.9	02/09/21 23:07	
TO-15	cis-1,2-Dichloroethene	23.1	ug/m3	1.5	02/09/21 23:07	
TO-15	Ethanol	195	ug/m3	3.6	02/09/21 23:07	
TO-15	Ethyl acetate	1.7	ug/m3	1.4	02/09/21 23:07	
TO-15	Ethylbenzene	0.63J	ug/m3	1.7	02/09/21 23:07	
TO-15	4-Ethyltoluene	1.0J	ug/m3	4.8	02/09/21 23:07	
TO-15	n-Heptane	1.3J	ug/m3	1.6	02/09/21 23:07	
TO-15	n-Hexane	1.5	ug/m3	1.4	02/09/21 23:07	
TO-15	2-Propanol	12.1	ug/m3	4.8	02/09/21 23:07	
TO-15	Styrene	1.9	ug/m3	1.6	02/09/21 23:07	
TO-15	Tetrachloroethene	751	ug/m3	13.1	02/10/21 10:03	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>10546963002</b>	<b>SS-2</b>					
TO-15	Tetrahydrofuran	22.7	ug/m3	1.1	02/09/21 23:07	
TO-15	Toluene	3.4	ug/m3	1.5	02/09/21 23:07	
TO-15	Trichloroethene	59.0	ug/m3	1.0	02/09/21 23:07	
TO-15	Trichlorofluoromethane	4.5	ug/m3	2.2	02/09/21 23:07	
TO-15	1,1,2-Trichlorotrifluoroethane	0.64J	ug/m3	3.0	02/09/21 23:07	
TO-15	1,2,4-Trimethylbenzene	0.81J	ug/m3	1.9	02/09/21 23:07	
TO-15	m&p-Xylene	2.5J	ug/m3	3.4	02/09/21 23:07	
TO-15	o-Xylene	0.80J	ug/m3	1.7	02/09/21 23:07	
<b>10546963003</b>	<b>SS-3</b>					
TO-15	cis-1,2-Dichloroethene	2120	ug/m3	177	02/10/21 02:25	
TO-15	trans-1,2-Dichloroethene	87.7J	ug/m3	177	02/10/21 02:25	
TO-15	Ethanol	315J	ug/m3	422	02/10/21 02:25	
TO-15	Tetrachloroethene	105000	ug/m3	2420	02/10/21 10:58	
TO-15	Trichloroethene	3460	ug/m3	120	02/10/21 02:25	
TO-15	3.885:Isobutane	415J	ppbv		02/10/21 02:25	N
TO-15	4.734:Unknown	67.5J	ppbv		02/10/21 02:25	
TO-15	12.357:.alpha.-Pinene	28.8J	ppbv		02/10/21 02:25	N
TO-15	13.962:D-Limonene	2180J	ppbv		02/10/21 02:25	N
TO-15	14.698:Undecane	282J	ppbv		02/10/21 02:25	N
<b>10546963004</b>	<b>SS-4</b>					
TO-15	Acetone	141J	ug/m3	352	02/10/21 01:31	
TO-15	cis-1,2-Dichloroethene	1280	ug/m3	46.9	02/10/21 01:31	
TO-15	trans-1,2-Dichloroethene	26.1J	ug/m3	46.9	02/10/21 01:31	
TO-15	Ethanol	209	ug/m3	112	02/10/21 01:31	
TO-15	Tetrachloroethene	11800	ug/m3	160	02/10/21 10:30	
TO-15	Toluene	14.4J	ug/m3	44.6	02/10/21 01:31	
TO-15	Trichloroethene	1000	ug/m3	31.8	02/10/21 01:31	
TO-15	3.875:Isobutane	62.1J	ppbv		02/10/21 01:31	N
TO-15	4.734:Unknown	18.5J	ppbv		02/10/21 01:31	
TO-15	13.952:Limonene	7.8J	ppbv		02/10/21 01:31	N
TO-15	14.698:Octadecane, 1-chloro-	9.2J	ppbv		02/10/21 01:31	N
<b>10546963005</b>	<b>FD-1</b>					
TO-15	Acetone	106	ug/m3	12.0	02/11/21 00:20	
TO-15	Benzene	0.73	ug/m3	0.64	02/11/21 00:20	
TO-15	2-Butanone (MEK)	9.1	ug/m3	5.9	02/11/21 00:20	
TO-15	Carbon disulfide	7.2	ug/m3	1.3	02/11/21 00:20	
TO-15	Chlorobenzene	1.8J	ug/m3	1.9	02/11/21 00:20	
TO-15	Chloroform	13.1	ug/m3	0.98	02/11/21 00:20	
TO-15	Dichlorodifluoromethane	2.7	ug/m3	2.0	02/11/21 00:20	
TO-15	Ethanol	47.8	ug/m3	3.8	02/11/21 00:20	
TO-15	Ethyl acetate	2.8	ug/m3	1.5	02/11/21 00:20	
TO-15	Ethylbenzene	0.59J	ug/m3	1.7	02/11/21 00:20	
TO-15	4-Ethyltoluene	0.99J	ug/m3	5.0	02/11/21 00:20	
TO-15	n-Heptane	10.8	ug/m3	1.6	02/11/21 00:20	
TO-15	n-Hexane	15.6	ug/m3	1.4	02/11/21 00:20	
TO-15	4-Methyl-2-pentanone (MIBK)	0.53J	ug/m3	8.2	02/11/21 00:20	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>10546963005</b>	<b>FD-1</b>					
TO-15	2-Propanol	12.8	ug/m3	5.0	02/11/21 00:20	
TO-15	Styrene	0.91J	ug/m3	1.7	02/11/21 00:20	
TO-15	Tetrachloroethene	13.0	ug/m3	1.4	02/11/21 00:20	
TO-15	Tetrahydrofuran	3.0	ug/m3	1.2	02/11/21 00:20	
TO-15	Toluene	3.4	ug/m3	1.5	02/11/21 00:20	
TO-15	1,1,1-Trichloroethane	0.57J	ug/m3	2.2	02/11/21 00:20	
TO-15	Trichloroethene	0.91J	ug/m3	1.1	02/11/21 00:20	
TO-15	Trichlorofluoromethane	2.3J	ug/m3	2.3	02/11/21 00:20	
TO-15	1,1,2-Trichlorotrifluoroethane	0.75J	ug/m3	3.1	02/11/21 00:20	
TO-15	1,2,4-Trimethylbenzene	1.1J	ug/m3	2.0	02/11/21 00:20	
TO-15	m&p-Xylene	2.0J	ug/m3	3.5	02/11/21 00:20	
TO-15	o-Xylene	0.78J	ug/m3	1.7	02/11/21 00:20	
TO-15	12.344:.alpha.-Pinene	86.4J	ppbv		02/11/21 00:20	N
TO-15	13.045:Bicyclo[3.1.0]hexane, 4	6.1J	ppbv		02/11/21 00:20	N
TO-15	14.013:D-Limonene	6.9J	ppbv		02/11/21 00:20	N
TO-15	14.701:Undecane	33.2J	ppbv		02/11/21 00:20	N
<b>10546963006</b>	<b>MH-1</b>					
TO-15	Acetone	43.7	ug/m3	12.4	02/10/21 00:06	
TO-15	Benzene	0.60J	ug/m3	0.67	02/10/21 00:06	
TO-15	Cyclohexane	0.40J	ug/m3	3.6	02/10/21 00:06	
TO-15	Dichlorodifluoromethane	2.8	ug/m3	2.1	02/10/21 00:06	
TO-15	Ethanol	52.0	ug/m3	4.0	02/10/21 00:06	
TO-15	Ethyl acetate	2.4	ug/m3	1.5	02/10/21 00:06	
TO-15	Ethylbenzene	0.37J	ug/m3	1.8	02/10/21 00:06	
TO-15	n-Heptane	0.75J	ug/m3	1.7	02/10/21 00:06	
TO-15	n-Hexane	0.81J	ug/m3	1.5	02/10/21 00:06	
TO-15	2-Propanol	12.9	ug/m3	5.2	02/10/21 00:06	
TO-15	Styrene	0.97J	ug/m3	1.8	02/10/21 00:06	
TO-15	Tetrachloroethene	0.63J	ug/m3	1.4	02/10/21 00:06	
TO-15	Toluene	1.0J	ug/m3	1.6	02/10/21 00:06	
TO-15	Trichlorofluoromethane	1.9J	ug/m3	2.3	02/10/21 00:06	
TO-15	1,1,2-Trichlorotrifluoroethane	0.78J	ug/m3	3.2	02/10/21 00:06	
TO-15	1,3,5-Trimethylbenzene	0.49J	ug/m3	2.1	02/10/21 00:06	
TO-15	m&p-Xylene	1.7J	ug/m3	3.6	02/10/21 00:06	
TO-15	o-Xylene	0.56J	ug/m3	1.8	02/10/21 00:06	

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

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**Method:** TO-15  
**Description:** TO15 MSV AIR (TICS)  
**Client:** Braun Intertec Corporation  
**Date:** February 12, 2021

**General Information:**

6 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-1      Lab ID: 10546963001      Collected: 02/02/21 09:31      Received: 02/04/21 09:46      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	278	ug/m3	11.7	4.3	1.94		02/09/21 23:36	67-64-1	
Benzene	0.82	ug/m3	0.63	0.26	1.94		02/09/21 23:36	71-43-2	
Benzyl chloride	<2.6	ug/m3	5.1	2.6	1.94		02/09/21 23:36	100-44-7	
Bromodichloromethane	<0.44	ug/m3	2.6	0.44	1.94		02/09/21 23:36	75-27-4	
Bromoform	<1.8	ug/m3	10.2	1.8	1.94		02/09/21 23:36	75-25-2	
Bromomethane	<0.35	ug/m3	1.5	0.35	1.94		02/09/21 23:36	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.87	0.21	1.94		02/09/21 23:36	106-99-0	
2-Butanone (MEK)	21.4	ug/m3	5.8	1.7	1.94		02/09/21 23:36	78-93-3	
Carbon disulfide	0.44J	ug/m3	1.2	0.20	1.94		02/09/21 23:36	75-15-0	
Carbon tetrachloride	<0.41	ug/m3	2.5	0.41	1.94		02/09/21 23:36	56-23-5	
Chlorobenzene	<0.31	ug/m3	1.8	0.31	1.94		02/09/21 23:36	108-90-7	
Chloroethane	<0.27	ug/m3	1.0	0.27	1.94		02/09/21 23:36	75-00-3	
Chloroform	0.74J	ug/m3	0.96	0.29	1.94		02/09/21 23:36	67-66-3	
Chloromethane	2.0	ug/m3	0.81	0.15	1.94		02/09/21 23:36	74-87-3	
Cyclohexane	4.6	ug/m3	3.4	0.36	1.94		02/09/21 23:36	110-82-7	
Dibromochloromethane	<0.64	ug/m3	3.4	0.64	1.94		02/09/21 23:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.45	ug/m3	1.5	0.45	1.94		02/09/21 23:36	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/m3	2.4	1.4	1.94		02/09/21 23:36	95-50-1	
1,3-Dichlorobenzene	1.8J	ug/m3	2.4	1.6	1.94		02/09/21 23:36	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/m3	5.9	1.9	1.94		02/09/21 23:36	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	2.0	1.1	1.94		02/09/21 23:36	75-71-8	
1,1-Dichloroethane	<0.25	ug/m3	1.6	0.25	1.94		02/09/21 23:36	75-34-3	
1,2-Dichloroethane	<0.25	ug/m3	0.80	0.25	1.94		02/09/21 23:36	107-06-2	
1,1-Dichloroethene	<0.25	ug/m3	1.6	0.25	1.94		02/09/21 23:36	75-35-4	
cis-1,2-Dichloroethene	4.6	ug/m3	1.6	0.27	1.94		02/09/21 23:36	156-59-2	
trans-1,2-Dichloroethene	<0.32	ug/m3	1.6	0.32	1.94		02/09/21 23:36	156-60-5	
1,2-Dichloropropane	<0.35	ug/m3	1.8	0.35	1.94		02/09/21 23:36	78-87-5	
cis-1,3-Dichloropropene	<0.31	ug/m3	1.8	0.31	1.94		02/09/21 23:36	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.8	1.3	1.94		02/09/21 23:36	10061-02-6	
Dichlorotetrafluoroethane	<0.47	ug/m3	2.8	0.47	1.94		02/09/21 23:36	76-14-2	
Ethanol	342	ug/m3	3.7	1.1	1.94		02/09/21 23:36	64-17-5	
Ethyl acetate	7.2	ug/m3	1.4	0.23	1.94		02/09/21 23:36	141-78-6	
Ethylbenzene	1.3J	ug/m3	1.7	0.30	1.94		02/09/21 23:36	100-41-4	
4-Ethyltoluene	1.3J	ug/m3	4.8	0.41	1.94		02/09/21 23:36	622-96-8	
n-Heptane	<0.29	ug/m3	1.6	0.29	1.94		02/09/21 23:36	142-82-5	
Hexachloro-1,3-butadiene	<3.8	ug/m3	10.5	3.8	1.94		02/09/21 23:36	87-68-3	
n-Hexane	9.7	ug/m3	1.4	0.42	1.94		02/09/21 23:36	110-54-3	
2-Hexanone	<1.5	ug/m3	8.1	1.5	1.94		02/09/21 23:36	591-78-6	
Methylene Chloride	<2.3	ug/m3	6.8	2.3	1.94		02/09/21 23:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.22	ug/m3	8.1	0.22	1.94		02/09/21 23:36	108-10-1	
Methyl-tert-butyl ether	<0.26	ug/m3	7.1	0.26	1.94		02/09/21 23:36	1634-04-4	
Naphthalene	<3.6	ug/m3	5.2	3.6	1.94		02/09/21 23:36	91-20-3	
2-Propanol	103	ug/m3	4.8	1.7	1.94		02/09/21 23:36	67-63-0	
Propylene	<0.47	ug/m3	0.68	0.47	1.94		02/09/21 23:36	115-07-1	
Styrene	2.7	ug/m3	1.7	0.53	1.94		02/09/21 23:36	100-42-5	

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-1 Lab ID: 10546963001 Collected: 02/02/21 09:31 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
1,1,2,2-Tetrachloroethane	<0.42	ug/m3	1.4	0.42	1.94		02/09/21 23:36	79-34-5	
Tetrachloroethene	74.4	ug/m3	1.3	0.48	1.94		02/09/21 23:36	127-18-4	
Tetrahydrofuran	25.7	ug/m3	1.2	0.25	1.94		02/09/21 23:36	109-99-9	
Toluene	3.3	ug/m3	1.5	0.23	1.94		02/09/21 23:36	108-88-3	
1,2,4-Trichlorobenzene	<7.6	ug/m3	14.6	7.6	1.94		02/09/21 23:36	120-82-1	
1,1,1-Trichloroethane	<0.36	ug/m3	2.2	0.36	1.94		02/09/21 23:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	1.1	0.34	1.94		02/09/21 23:36	79-00-5	
Trichloroethene	9.2	ug/m3	1.1	0.41	1.94		02/09/21 23:36	79-01-6	
Trichlorofluoromethane	4.0	ug/m3	2.2	0.44	1.94		02/09/21 23:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.76J	ug/m3	3.0	0.45	1.94		02/09/21 23:36	76-13-1	
1,2,4-Trimethylbenzene	2.0	ug/m3	1.9	0.38	1.94		02/09/21 23:36	95-63-6	
1,3,5-Trimethylbenzene	1.0J	ug/m3	1.9	0.40	1.94		02/09/21 23:36	108-67-8	
Vinyl acetate	<0.22	ug/m3	1.4	0.22	1.94		02/09/21 23:36	108-05-4	
Vinyl chloride	<0.16	ug/m3	0.50	0.16	1.94		02/09/21 23:36	75-01-4	
m&p-Xylene	5.6	ug/m3	3.4	0.75	1.94		02/09/21 23:36	179601-23-1	
o-Xylene	1.9	ug/m3	1.7	0.28	1.94		02/09/21 23:36	95-47-6	

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-2 Lab ID: 10546963002 Collected: 02/02/21 10:45 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	211	ug/m3	11.5	4.2	1.9		02/09/21 23:07	67-64-1	
Benzene	0.60J	ug/m3	0.62	0.26	1.9		02/09/21 23:07	71-43-2	
Benzyl chloride	<2.5	ug/m3	5.0	2.5	1.9		02/09/21 23:07	100-44-7	
Bromodichloromethane	<0.43	ug/m3	2.6	0.43	1.9		02/09/21 23:07	75-27-4	
Bromoform	<1.7	ug/m3	10	1.7	1.9		02/09/21 23:07	75-25-2	
Bromomethane	<0.34	ug/m3	1.5	0.34	1.9		02/09/21 23:07	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.86	0.21	1.9		02/09/21 23:07	106-99-0	
2-Butanone (MEK)	6.7	ug/m3	5.7	1.7	1.9		02/09/21 23:07	78-93-3	
Carbon disulfide	<0.20	ug/m3	1.2	0.20	1.9		02/09/21 23:07	75-15-0	
Carbon tetrachloride	<0.40	ug/m3	2.4	0.40	1.9		02/09/21 23:07	56-23-5	
Chlorobenzene	0.35J	ug/m3	1.8	0.31	1.9		02/09/21 23:07	108-90-7	
Chloroethane	<0.26	ug/m3	1.0	0.26	1.9		02/09/21 23:07	75-00-3	
Chloroform	1.2	ug/m3	0.94	0.28	1.9		02/09/21 23:07	67-66-3	
Chloromethane	1.6	ug/m3	0.80	0.15	1.9		02/09/21 23:07	74-87-3	
Cyclohexane	6.1	ug/m3	3.3	0.35	1.9		02/09/21 23:07	110-82-7	
Dibromochloromethane	<0.63	ug/m3	3.3	0.63	1.9		02/09/21 23:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.44	ug/m3	1.5	0.44	1.9		02/09/21 23:07	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/m3	2.3	1.4	1.9		02/09/21 23:07	95-50-1	
1,3-Dichlorobenzene	<1.6	ug/m3	2.3	1.6	1.9		02/09/21 23:07	541-73-1	
1,4-Dichlorobenzene	1.9J	ug/m3	5.8	1.8	1.9		02/09/21 23:07	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.9	1.0	1.9		02/09/21 23:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/m3	1.6	0.24	1.9		02/09/21 23:07	75-34-3	
1,2-Dichloroethane	<0.25	ug/m3	0.78	0.25	1.9		02/09/21 23:07	107-06-2	
1,1-Dichloroethene	<0.24	ug/m3	1.5	0.24	1.9		02/09/21 23:07	75-35-4	
cis-1,2-Dichloroethene	23.1	ug/m3	1.5	0.27	1.9		02/09/21 23:07	156-59-2	
trans-1,2-Dichloroethene	<0.32	ug/m3	1.5	0.32	1.9		02/09/21 23:07	156-60-5	
1,2-Dichloropropane	<0.34	ug/m3	1.8	0.34	1.9		02/09/21 23:07	78-87-5	
cis-1,3-Dichloropropene	<0.31	ug/m3	1.8	0.31	1.9		02/09/21 23:07	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.8	1.3	1.9		02/09/21 23:07	10061-02-6	
Dichlorotetrafluoroethane	<0.46	ug/m3	2.7	0.46	1.9		02/09/21 23:07	76-14-2	
Ethanol	195	ug/m3	3.6	1.1	1.9		02/09/21 23:07	64-17-5	
Ethyl acetate	1.7	ug/m3	1.4	0.23	1.9		02/09/21 23:07	141-78-6	
Ethylbenzene	0.63J	ug/m3	1.7	0.29	1.9		02/09/21 23:07	100-41-4	
4-Ethyltoluene	1.0J	ug/m3	4.8	0.40	1.9		02/09/21 23:07	622-96-8	
n-Heptane	1.3J	ug/m3	1.6	0.29	1.9		02/09/21 23:07	142-82-5	
Hexachloro-1,3-butadiene	<3.7	ug/m3	10.3	3.7	1.9		02/09/21 23:07	87-68-3	
n-Hexane	1.5	ug/m3	1.4	0.41	1.9		02/09/21 23:07	110-54-3	
2-Hexanone	<1.5	ug/m3	7.9	1.5	1.9		02/09/21 23:07	591-78-6	
Methylene Chloride	<2.3	ug/m3	6.7	2.3	1.9		02/09/21 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.21	ug/m3	7.9	0.21	1.9		02/09/21 23:07	108-10-1	
Methyl-tert-butyl ether	<0.25	ug/m3	7.0	0.25	1.9		02/09/21 23:07	1634-04-4	
Naphthalene	<3.6	ug/m3	5.1	3.6	1.9		02/09/21 23:07	91-20-3	
2-Propanol	12.1	ug/m3	4.8	1.6	1.9		02/09/21 23:07	67-63-0	
Propylene	<0.46	ug/m3	0.66	0.46	1.9		02/09/21 23:07	115-07-1	
Styrene	1.9	ug/m3	1.6	0.52	1.9		02/09/21 23:07	100-42-5	

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-2 Lab ID: 10546963002 Collected: 02/02/21 10:45 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
1,1,2,2-Tetrachloroethane	<0.41	ug/m3	1.3	0.41	1.9		02/09/21 23:07	79-34-5	
Tetrachloroethene	751	ug/m3	13.1	4.8	19		02/10/21 10:03	127-18-4	
Tetrahydrofuran	22.7	ug/m3	1.1	0.25	1.9		02/09/21 23:07	109-99-9	
Toluene	3.4	ug/m3	1.5	0.23	1.9		02/09/21 23:07	108-88-3	
1,2,4-Trichlorobenzene	<7.4	ug/m3	14.3	7.4	1.9		02/09/21 23:07	120-82-1	
1,1,1-Trichloroethane	<0.36	ug/m3	2.1	0.36	1.9		02/09/21 23:07	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	1.1	0.33	1.9		02/09/21 23:07	79-00-5	
Trichloroethene	59.0	ug/m3	1.0	0.40	1.9		02/09/21 23:07	79-01-6	
Trichlorofluoromethane	4.5	ug/m3	2.2	0.43	1.9		02/09/21 23:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.64J	ug/m3	3.0	0.44	1.9		02/09/21 23:07	76-13-1	
1,2,4-Trimethylbenzene	0.81J	ug/m3	1.9	0.37	1.9		02/09/21 23:07	95-63-6	
1,3,5-Trimethylbenzene	<0.39	ug/m3	1.9	0.39	1.9		02/09/21 23:07	108-67-8	
Vinyl acetate	<0.22	ug/m3	1.4	0.22	1.9		02/09/21 23:07	108-05-4	
Vinyl chloride	<0.16	ug/m3	0.49	0.16	1.9		02/09/21 23:07	75-01-4	
m&p-Xylene	2.5J	ug/m3	3.4	0.73	1.9		02/09/21 23:07	179601-23-1	
o-Xylene	0.80J	ug/m3	1.7	0.28	1.9		02/09/21 23:07	95-47-6	

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Sample: SS-3 Lab ID: 10546963003 Collected: 02/02/21 11:54 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	<485	ug/m3	1330	485	219.6		02/10/21 02:25	67-64-1	
Benzene	<29.9	ug/m3	71.4	29.9	219.6		02/10/21 02:25	71-43-2	
Benzyl chloride	<290	ug/m3	578	290	219.6		02/10/21 02:25	100-44-7	
Bromodichloromethane	<49.8	ug/m3	299	49.8	219.6		02/10/21 02:25	75-27-4	
Bromoform	<201	ug/m3	1150	201	219.6		02/10/21 02:25	75-25-2	
Bromomethane	<39.5	ug/m3	173	39.5	219.6		02/10/21 02:25	74-83-9	
1,3-Butadiene	<24.2	ug/m3	98.8	24.2	219.6		02/10/21 02:25	106-99-0	
2-Butanone (MEK)	<194	ug/m3	659	194	219.6		02/10/21 02:25	78-93-3	
Carbon disulfide	<22.8	ug/m3	139	22.8	219.6		02/10/21 02:25	75-15-0	
Carbon tetrachloride	<46.8	ug/m3	281	46.8	219.6		02/10/21 02:25	56-23-5	
Chlorobenzene	<35.4	ug/m3	206	35.4	219.6		02/10/21 02:25	108-90-7	
Chloroethane	<30.3	ug/m3	118	30.3	219.6		02/10/21 02:25	75-00-3	
Chloroform	<32.5	ug/m3	109	32.5	219.6		02/10/21 02:25	67-66-3	
Chloromethane	<17.0	ug/m3	92.2	17.0	219.6		02/10/21 02:25	74-87-3	
Cyclohexane	<40.2	ug/m3	384	40.2	219.6		02/10/21 02:25	110-82-7	
Dibromochloromethane	<72.7	ug/m3	380	72.7	219.6		02/10/21 02:25	124-48-1	
1,2-Dibromoethane (EDB)	<51.2	ug/m3	172	51.2	219.6		02/10/21 02:25	106-93-4	
1,2-Dichlorobenzene	<160	ug/m3	268	160	219.6		02/10/21 02:25	95-50-1	
1,3-Dichlorobenzene	<184	ug/m3	268	184	219.6		02/10/21 02:25	541-73-1	
1,4-Dichlorobenzene	<212	ug/m3	672	212	219.6		02/10/21 02:25	106-46-7	
Dichlorodifluoromethane	<120	ug/m3	222	120	219.6		02/10/21 02:25	75-71-8	
1,1-Dichloroethane	<27.9	ug/m3	181	27.9	219.6		02/10/21 02:25	75-34-3	
1,2-Dichloroethane	<28.8	ug/m3	90.3	28.8	219.6		02/10/21 02:25	107-06-2	
1,1-Dichloroethene	<27.9	ug/m3	177	27.9	219.6		02/10/21 02:25	75-35-4	
cis-1,2-Dichloroethene	2120	ug/m3	177	30.7	219.6		02/10/21 02:25	156-59-2	
trans-1,2-Dichloroethene	87.7J	ug/m3	177	36.7	219.6		02/10/21 02:25	156-60-5	
1,2-Dichloropropane	<39.7	ug/m3	206	39.7	219.6		02/10/21 02:25	78-87-5	
cis-1,3-Dichloropropene	<35.4	ug/m3	203	35.4	219.6		02/10/21 02:25	10061-01-5	
trans-1,3-Dichloropropene	<146	ug/m3	203	146	219.6		02/10/21 02:25	10061-02-6	
Dichlorotetrafluoroethane	<53.1	ug/m3	312	53.1	219.6		02/10/21 02:25	76-14-2	
Ethanol	315J	ug/m3	422	125	219.6		02/10/21 02:25	64-17-5	
Ethyl acetate	<26.6	ug/m3	161	26.6	219.6		02/10/21 02:25	141-78-6	
Ethylbenzene	<34.0	ug/m3	194	34.0	219.6		02/10/21 02:25	100-41-4	
4-Ethyltoluene	<46.8	ug/m3	549	46.8	219.6		02/10/21 02:25	622-96-8	
n-Heptane	<33.4	ug/m3	183	33.4	219.6		02/10/21 02:25	142-82-5	
Hexachloro-1,3-butadiene	<426	ug/m3	1190	426	219.6		02/10/21 02:25	87-68-3	
n-Hexane	<47.0	ug/m3	157	47.0	219.6		02/10/21 02:25	110-54-3	
2-Hexanone	<175	ug/m3	914	175	219.6		02/10/21 02:25	591-78-6	
Methylene Chloride	<264	ug/m3	775	264	219.6		02/10/21 02:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	<24.4	ug/m3	914	24.4	219.6		02/10/21 02:25	108-10-1	
Methyl-tert-butyl ether	<29.2	ug/m3	804	29.2	219.6		02/10/21 02:25	1634-04-4	
Naphthalene	<413	ug/m3	584	413	219.6		02/10/21 02:25	91-20-3	
2-Propanol	<188	ug/m3	549	188	219.6		02/10/21 02:25	67-63-0	
Propylene	<52.9	ug/m3	76.9	52.9	219.6		02/10/21 02:25	115-07-1	
Styrene	<59.7	ug/m3	190	59.7	219.6		02/10/21 02:25	100-42-5	

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners

Pace Project No.: 10546963

Sample: SS-3 Lab ID: 10546963003 Collected: 02/02/21 11:54 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
1,1,2,2-Tetrachloroethane	<47.2	ug/m3	153	47.2	219.6		02/10/21 02:25	79-34-5	
Tetrachloroethene	105000	ug/m3	2420	878	3514		02/10/21 10:58	127-18-4	
Tetrahydrofuran	<28.8	ug/m3	132	28.8	219.6		02/10/21 02:25	109-99-9	
Toluene	<26.4	ug/m3	168	26.4	219.6		02/10/21 02:25	108-88-3	
1,2,4-Trichlorobenzene	<856	ug/m3	1660	856	219.6		02/10/21 02:25	120-82-1	
1,1,1-Trichloroethane	<41.3	ug/m3	244	41.3	219.6		02/10/21 02:25	71-55-6	
1,1,2-Trichloroethane	<38.2	ug/m3	122	38.2	219.6		02/10/21 02:25	79-00-5	
Trichloroethene	3460	ug/m3	120	46.1	219.6		02/10/21 02:25	79-01-6	
Trichlorofluoromethane	<49.8	ug/m3	250	49.8	219.6		02/10/21 02:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	<50.7	ug/m3	343	50.7	219.6		02/10/21 02:25	76-13-1	
1,2,4-Trimethylbenzene	<42.6	ug/m3	219	42.6	219.6		02/10/21 02:25	95-63-6	
1,3,5-Trimethylbenzene	<44.8	ug/m3	219	44.8	219.6		02/10/21 02:25	108-67-8	
Vinyl acetate	<25.0	ug/m3	157	25.0	219.6		02/10/21 02:25	108-05-4	
Vinyl chloride	<18.5	ug/m3	57.1	18.5	219.6		02/10/21 02:25	75-01-4	
m&p-Xylene	<84.5	ug/m3	389	84.5	219.6		02/10/21 02:25	179601-23-1	
o-Xylene	<32.1	ug/m3	194	32.1	219.6		02/10/21 02:25	95-47-6	
<b>Tentatively Identified Compounds</b>									
Isobutane	415J	ppbv			219.6		02/10/21 02:25	75-28-5	N
Unknown	67.5J	ppbv			219.6		02/10/21 02:25		
.alpha.-Pinene	28.8J	ppbv			219.6		02/10/21 02:25	80-56-8	N
D-Limonene	2180J	ppbv			219.6		02/10/21 02:25	5989-27-5	N
Undecane	282J	ppbv			219.6		02/10/21 02:25	1120-21-4	N

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-4      Lab ID: 10546963004      Collected: 02/02/21 13:21      Received: 02/04/21 09:46      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	141J	ug/m3	352	129	58.2		02/10/21 01:31	67-64-1	
Benzene	<7.9	ug/m3	18.9	7.9	58.2		02/10/21 01:31	71-43-2	
Benzyl chloride	<76.8	ug/m3	153	76.8	58.2		02/10/21 01:31	100-44-7	
Bromodichloromethane	<13.2	ug/m3	79.2	13.2	58.2		02/10/21 01:31	75-27-4	
Bromoform	<53.3	ug/m3	306	53.3	58.2		02/10/21 01:31	75-25-2	
Bromomethane	<10.5	ug/m3	45.9	10.5	58.2		02/10/21 01:31	74-83-9	
1,3-Butadiene	<6.4	ug/m3	26.2	6.4	58.2		02/10/21 01:31	106-99-0	
2-Butanone (MEK)	<51.4	ug/m3	175	51.4	58.2		02/10/21 01:31	78-93-3	
Carbon disulfide	<6.1	ug/m3	36.8	6.1	58.2		02/10/21 01:31	75-15-0	
Carbon tetrachloride	<12.4	ug/m3	74.5	12.4	58.2		02/10/21 01:31	56-23-5	
Chlorobenzene	<9.4	ug/m3	54.5	9.4	58.2		02/10/21 01:31	108-90-7	
Chloroethane	<8.0	ug/m3	31.2	8.0	58.2		02/10/21 01:31	75-00-3	
Chloroform	<8.6	ug/m3	28.9	8.6	58.2		02/10/21 01:31	67-66-3	
Chloromethane	<4.5	ug/m3	24.4	4.5	58.2		02/10/21 01:31	74-87-3	
Cyclohexane	<10.7	ug/m3	102	10.7	58.2		02/10/21 01:31	110-82-7	
Dibromochloromethane	<19.3	ug/m3	101	19.3	58.2		02/10/21 01:31	124-48-1	
1,2-Dibromoethane (EDB)	<13.6	ug/m3	45.5	13.6	58.2		02/10/21 01:31	106-93-4	
1,2-Dichlorobenzene	<42.3	ug/m3	71.0	42.3	58.2		02/10/21 01:31	95-50-1	
1,3-Dichlorobenzene	<48.7	ug/m3	71.0	48.7	58.2		02/10/21 01:31	541-73-1	
1,4-Dichlorobenzene	<56.2	ug/m3	178	56.2	58.2		02/10/21 01:31	106-46-7	
Dichlorodifluoromethane	<31.9	ug/m3	58.8	31.9	58.2		02/10/21 01:31	75-71-8	
1,1-Dichloroethane	<7.4	ug/m3	47.9	7.4	58.2		02/10/21 01:31	75-34-3	
1,2-Dichloroethane	<7.6	ug/m3	23.9	7.6	58.2		02/10/21 01:31	107-06-2	
1,1-Dichloroethene	<7.4	ug/m3	46.9	7.4	58.2		02/10/21 01:31	75-35-4	
cis-1,2-Dichloroethene	1280	ug/m3	46.9	8.1	58.2		02/10/21 01:31	156-59-2	
trans-1,2-Dichloroethene	26.1J	ug/m3	46.9	9.7	58.2		02/10/21 01:31	156-60-5	
1,2-Dichloropropane	<10.5	ug/m3	54.6	10.5	58.2		02/10/21 01:31	78-87-5	
cis-1,3-Dichloropropene	<9.4	ug/m3	53.7	9.4	58.2		02/10/21 01:31	10061-01-5	
trans-1,3-Dichloropropene	<38.6	ug/m3	53.7	38.6	58.2		02/10/21 01:31	10061-02-6	
Dichlorotetrafluoroethane	<14.1	ug/m3	82.6	14.1	58.2		02/10/21 01:31	76-14-2	
Ethanol	209	ug/m3	112	33.0	58.2		02/10/21 01:31	64-17-5	
Ethyl acetate	<7.0	ug/m3	42.7	7.0	58.2		02/10/21 01:31	141-78-6	
Ethylbenzene	<9.0	ug/m3	51.4	9.0	58.2		02/10/21 01:31	100-41-4	
4-Ethyltoluene	<12.4	ug/m3	146	12.4	58.2		02/10/21 01:31	622-96-8	
n-Heptane	<8.8	ug/m3	48.5	8.8	58.2		02/10/21 01:31	142-82-5	
Hexachloro-1,3-butadiene	<113	ug/m3	315	113	58.2		02/10/21 01:31	87-68-3	
n-Hexane	<12.5	ug/m3	41.7	12.5	58.2		02/10/21 01:31	110-54-3	
2-Hexanone	<46.4	ug/m3	242	46.4	58.2		02/10/21 01:31	591-78-6	
Methylene Chloride	<69.8	ug/m3	205	69.8	58.2		02/10/21 01:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<6.5	ug/m3	242	6.5	58.2		02/10/21 01:31	108-10-1	
Methyl-tert-butyl ether	<7.7	ug/m3	213	7.7	58.2		02/10/21 01:31	1634-04-4	
Naphthalene	<109	ug/m3	155	109	58.2		02/10/21 01:31	91-20-3	
2-Propanol	<49.7	ug/m3	146	49.7	58.2		02/10/21 01:31	67-63-0	
Propylene	<14.0	ug/m3	20.4	14.0	58.2		02/10/21 01:31	115-07-1	
Styrene	<15.8	ug/m3	50.4	15.8	58.2		02/10/21 01:31	100-42-5	

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: SS-4 Lab ID: 10546963004 Collected: 02/02/21 13:21 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<12.5	ug/m3	40.6	12.5	58.2		02/10/21 01:31	79-34-5	
Tetrachloroethene	11800	ug/m3	160	58.2	232.8		02/10/21 10:30	127-18-4	
Tetrahydrofuran	<7.6	ug/m3	34.9	7.6	58.2		02/10/21 01:31	109-99-9	
Toluene	14.4J	ug/m3	44.6	7.0	58.2		02/10/21 01:31	108-88-3	
1,2,4-Trichlorobenzene	<227	ug/m3	439	227	58.2		02/10/21 01:31	120-82-1	
1,1,1-Trichloroethane	<10.9	ug/m3	64.6	10.9	58.2		02/10/21 01:31	71-55-6	
1,1,2-Trichloroethane	<10.1	ug/m3	32.3	10.1	58.2		02/10/21 01:31	79-00-5	
Trichloroethene	1000	ug/m3	31.8	12.2	58.2		02/10/21 01:31	79-01-6	
Trichlorofluoromethane	<13.2	ug/m3	66.3	13.2	58.2		02/10/21 01:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	<13.4	ug/m3	90.8	13.4	58.2		02/10/21 01:31	76-13-1	
1,2,4-Trimethylbenzene	<11.3	ug/m3	58.1	11.3	58.2		02/10/21 01:31	95-63-6	
1,3,5-Trimethylbenzene	<11.9	ug/m3	58.1	11.9	58.2		02/10/21 01:31	108-67-8	
Vinyl acetate	<6.6	ug/m3	41.7	6.6	58.2		02/10/21 01:31	108-05-4	
Vinyl chloride	<4.9	ug/m3	15.1	4.9	58.2		02/10/21 01:31	75-01-4	
m&p-Xylene	<22.4	ug/m3	103	22.4	58.2		02/10/21 01:31	179601-23-1	
o-Xylene	<8.5	ug/m3	51.4	8.5	58.2		02/10/21 01:31	95-47-6	
<b>Tentatively Identified Compounds</b>									
Isobutane	62.1J	ppbv			58.2		02/10/21 01:31	75-28-5	N
Unknown	18.5J	ppbv			58.2		02/10/21 01:31		
Limonene	7.8J	ppbv			58.2		02/10/21 01:31	138-86-3	N
Octadecane, 1-chloro-	9.2J	ppbv			58.2		02/10/21 01:31	3386-33-2	N

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners

Pace Project No.: 10546963

Sample: FD-1 Lab ID: 10546963005 Collected: 02/02/21 12:54 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	106	ug/m3	12.0	4.4	1.98		02/11/21 00:20	67-64-1	
Benzene	0.73	ug/m3	0.64	0.27	1.98		02/11/21 00:20	71-43-2	
Benzyl chloride	<2.6	ug/m3	5.2	2.6	1.98		02/11/21 00:20	100-44-7	
Bromodichloromethane	<0.45	ug/m3	2.7	0.45	1.98		02/11/21 00:20	75-27-4	
Bromoform	<1.8	ug/m3	10.4	1.8	1.98		02/11/21 00:20	75-25-2	
Bromomethane	<0.36	ug/m3	1.6	0.36	1.98		02/11/21 00:20	74-83-9	
1,3-Butadiene	<0.22	ug/m3	0.89	0.22	1.98		02/11/21 00:20	106-99-0	
2-Butanone (MEK)	9.1	ug/m3	5.9	1.8	1.98		02/11/21 00:20	78-93-3	
Carbon disulfide	7.2	ug/m3	1.3	0.21	1.98		02/11/21 00:20	75-15-0	
Carbon tetrachloride	<0.42	ug/m3	2.5	0.42	1.98		02/11/21 00:20	56-23-5	
Chlorobenzene	1.8J	ug/m3	1.9	0.32	1.98		02/11/21 00:20	108-90-7	
Chloroethane	<0.27	ug/m3	1.1	0.27	1.98		02/11/21 00:20	75-00-3	
Chloroform	13.1	ug/m3	0.98	0.29	1.98		02/11/21 00:20	67-66-3	
Chloromethane	<0.15	ug/m3	0.83	0.15	1.98		02/11/21 00:20	74-87-3	
Cyclohexane	<0.36	ug/m3	3.5	0.36	1.98		02/11/21 00:20	110-82-7	
Dibromochloromethane	<0.66	ug/m3	3.4	0.66	1.98		02/11/21 00:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.5	0.46	1.98		02/11/21 00:20	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/m3	2.4	1.4	1.98		02/11/21 00:20	95-50-1	
1,3-Dichlorobenzene	<1.7	ug/m3	2.4	1.7	1.98		02/11/21 00:20	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/m3	6.1	1.9	1.98		02/11/21 00:20	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	2.0	1.1	1.98		02/11/21 00:20	75-71-8	
1,1-Dichloroethane	<0.25	ug/m3	1.6	0.25	1.98		02/11/21 00:20	75-34-3	
1,2-Dichloroethane	<0.26	ug/m3	0.81	0.26	1.98		02/11/21 00:20	107-06-2	
1,1-Dichloroethene	<0.25	ug/m3	1.6	0.25	1.98		02/11/21 00:20	75-35-4	
cis-1,2-Dichloroethene	<0.28	ug/m3	1.6	0.28	1.98		02/11/21 00:20	156-59-2	
trans-1,2-Dichloroethene	<0.33	ug/m3	1.6	0.33	1.98		02/11/21 00:20	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.9	0.36	1.98		02/11/21 00:20	78-87-5	
cis-1,3-Dichloropropene	<0.32	ug/m3	1.8	0.32	1.98		02/11/21 00:20	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.8	1.3	1.98		02/11/21 00:20	10061-02-6	
Dichlorotetrafluoroethane	<0.48	ug/m3	2.8	0.48	1.98		02/11/21 00:20	76-14-2	
Ethanol	47.8	ug/m3	3.8	1.1	1.98		02/11/21 00:20	64-17-5	
Ethyl acetate	2.8	ug/m3	1.5	0.24	1.98		02/11/21 00:20	141-78-6	
Ethylbenzene	0.59J	ug/m3	1.7	0.31	1.98		02/11/21 00:20	100-41-4	
4-Ethyltoluene	0.99J	ug/m3	5.0	0.42	1.98		02/11/21 00:20	622-96-8	
n-Heptane	10.8	ug/m3	1.6	0.30	1.98		02/11/21 00:20	142-82-5	
Hexachloro-1,3-butadiene	<3.8	ug/m3	10.7	3.8	1.98		02/11/21 00:20	87-68-3	
n-Hexane	15.6	ug/m3	1.4	0.42	1.98		02/11/21 00:20	110-54-3	
2-Hexanone	<1.6	ug/m3	8.2	1.6	1.98		02/11/21 00:20	591-78-6	
Methylene Chloride	<2.4	ug/m3	7.0	2.4	1.98		02/11/21 00:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.53J	ug/m3	8.2	0.22	1.98		02/11/21 00:20	108-10-1	
Methyl-tert-butyl ether	<0.26	ug/m3	7.2	0.26	1.98		02/11/21 00:20	1634-04-4	
Naphthalene	<3.7	ug/m3	5.3	3.7	1.98		02/11/21 00:20	91-20-3	
2-Propanol	12.8	ug/m3	5.0	1.7	1.98		02/11/21 00:20	67-63-0	
Propylene	<0.48	ug/m3	0.69	0.48	1.98		02/11/21 00:20	115-07-1	
Styrene	0.91J	ug/m3	1.7	0.54	1.98		02/11/21 00:20	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: FD-1 Lab ID: 10546963005 Collected: 02/02/21 12:54 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.43	ug/m3	1.4	0.43	1.98		02/11/21 00:20	79-34-5	
Tetrachloroethene	13.0	ug/m3	1.4	0.50	1.98		02/11/21 00:20	127-18-4	
Tetrahydrofuran	3.0	ug/m3	1.2	0.26	1.98		02/11/21 00:20	109-99-9	
Toluene	3.4	ug/m3	1.5	0.24	1.98		02/11/21 00:20	108-88-3	
1,2,4-Trichlorobenzene	<7.7	ug/m3	14.9	7.7	1.98		02/11/21 00:20	120-82-1	
1,1,1-Trichloroethane	0.57J	ug/m3	2.2	0.37	1.98		02/11/21 00:20	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	1.1	0.34	1.98		02/11/21 00:20	79-00-5	
Trichloroethene	0.91J	ug/m3	1.1	0.42	1.98		02/11/21 00:20	79-01-6	
Trichlorofluoromethane	2.3J	ug/m3	2.3	0.45	1.98		02/11/21 00:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.75J	ug/m3	3.1	0.46	1.98		02/11/21 00:20	76-13-1	
1,2,4-Trimethylbenzene	1.1J	ug/m3	2.0	0.38	1.98		02/11/21 00:20	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/m3	2.0	0.40	1.98		02/11/21 00:20	108-67-8	
Vinyl acetate	<0.23	ug/m3	1.4	0.23	1.98		02/11/21 00:20	108-05-4	
Vinyl chloride	<0.17	ug/m3	0.51	0.17	1.98		02/11/21 00:20	75-01-4	
m&p-Xylene	2.0J	ug/m3	3.5	0.76	1.98		02/11/21 00:20	179601-23-1	
o-Xylene	0.78J	ug/m3	1.7	0.29	1.98		02/11/21 00:20	95-47-6	
<b>Tentatively Identified Compounds</b>									
.alpha.-Pinene	86.4J	ppbv			1.98		02/11/21 00:20	80-56-8	N
Bicyclo[3.1.0]hexane, 4	6.1J	ppbv			1.98		02/11/21 00:20	3387-41-5	N
D-Limonene	6.9J	ppbv			1.98		02/11/21 00:20	5989-27-5	N
Undecane	33.2J	ppbv			1.98		02/11/21 00:20	1120-21-4	N

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### ANALYTICAL RESULTS

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: MH-1 Lab ID: 10546963006 Collected: 02/02/21 13:53 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	43.7	ug/m3	12.4	4.6	2.06		02/10/21 00:06	67-64-1	
Benzene	0.60J	ug/m3	0.67	0.28	2.06		02/10/21 00:06	71-43-2	
Benzyl chloride	<2.7	ug/m3	5.4	2.7	2.06		02/10/21 00:06	100-44-7	
Bromodichloromethane	<0.47	ug/m3	2.8	0.47	2.06		02/10/21 00:06	75-27-4	
Bromoform	<1.9	ug/m3	10.8	1.9	2.06		02/10/21 00:06	75-25-2	
Bromomethane	<0.37	ug/m3	1.6	0.37	2.06		02/10/21 00:06	74-83-9	
1,3-Butadiene	<0.23	ug/m3	0.93	0.23	2.06		02/10/21 00:06	106-99-0	
2-Butanone (MEK)	<1.8	ug/m3	6.2	1.8	2.06		02/10/21 00:06	78-93-3	
Carbon disulfide	<0.21	ug/m3	1.3	0.21	2.06		02/10/21 00:06	75-15-0	
Carbon tetrachloride	<0.44	ug/m3	2.6	0.44	2.06		02/10/21 00:06	56-23-5	
Chlorobenzene	<0.33	ug/m3	1.9	0.33	2.06		02/10/21 00:06	108-90-7	
Chloroethane	<0.28	ug/m3	1.1	0.28	2.06		02/10/21 00:06	75-00-3	
Chloroform	<0.30	ug/m3	1.0	0.30	2.06		02/10/21 00:06	67-66-3	
Chloromethane	<0.16	ug/m3	0.87	0.16	2.06		02/10/21 00:06	74-87-3	
Cyclohexane	0.40J	ug/m3	3.6	0.38	2.06		02/10/21 00:06	110-82-7	
Dibromochloromethane	<0.68	ug/m3	3.6	0.68	2.06		02/10/21 00:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.48	ug/m3	1.6	0.48	2.06		02/10/21 00:06	106-93-4	
1,2-Dichlorobenzene	<1.5	ug/m3	2.5	1.5	2.06		02/10/21 00:06	95-50-1	
1,3-Dichlorobenzene	<1.7	ug/m3	2.5	1.7	2.06		02/10/21 00:06	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/m3	6.3	2.0	2.06		02/10/21 00:06	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	2.1	1.1	2.06		02/10/21 00:06	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.7	0.26	2.06		02/10/21 00:06	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.85	0.27	2.06		02/10/21 00:06	107-06-2	
1,1-Dichloroethene	<0.26	ug/m3	1.7	0.26	2.06		02/10/21 00:06	75-35-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.7	0.29	2.06		02/10/21 00:06	156-59-2	
trans-1,2-Dichloroethene	<0.34	ug/m3	1.7	0.34	2.06		02/10/21 00:06	156-60-5	
1,2-Dichloropropane	<0.37	ug/m3	1.9	0.37	2.06		02/10/21 00:06	78-87-5	
cis-1,3-Dichloropropene	<0.33	ug/m3	1.9	0.33	2.06		02/10/21 00:06	10061-01-5	
trans-1,3-Dichloropropene	<1.4	ug/m3	1.9	1.4	2.06		02/10/21 00:06	10061-02-6	
Dichlorotetrafluoroethane	<0.50	ug/m3	2.9	0.50	2.06		02/10/21 00:06	76-14-2	
Ethanol	52.0	ug/m3	4.0	1.2	2.06		02/10/21 00:06	64-17-5	
Ethyl acetate	2.4	ug/m3	1.5	0.25	2.06		02/10/21 00:06	141-78-6	
Ethylbenzene	0.37J	ug/m3	1.8	0.32	2.06		02/10/21 00:06	100-41-4	
4-Ethyltoluene	<0.44	ug/m3	5.2	0.44	2.06		02/10/21 00:06	622-96-8	
n-Heptane	0.75J	ug/m3	1.7	0.31	2.06		02/10/21 00:06	142-82-5	
Hexachloro-1,3-butadiene	<4.0	ug/m3	11.2	4.0	2.06		02/10/21 00:06	87-68-3	
n-Hexane	0.81J	ug/m3	1.5	0.44	2.06		02/10/21 00:06	110-54-3	
2-Hexanone	<1.6	ug/m3	8.6	1.6	2.06		02/10/21 00:06	591-78-6	
Methylene Chloride	<2.5	ug/m3	7.3	2.5	2.06		02/10/21 00:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.23	ug/m3	8.6	0.23	2.06		02/10/21 00:06	108-10-1	
Methyl-tert-butyl ether	<0.27	ug/m3	7.5	0.27	2.06		02/10/21 00:06	1634-04-4	
Naphthalene	<3.9	ug/m3	5.5	3.9	2.06		02/10/21 00:06	91-20-3	
2-Propanol	12.9	ug/m3	5.2	1.8	2.06		02/10/21 00:06	67-63-0	
Propylene	<0.50	ug/m3	0.72	0.50	2.06		02/10/21 00:06	115-07-1	
Styrene	0.97J	ug/m3	1.8	0.56	2.06		02/10/21 00:06	100-42-5	

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**ANALYTICAL RESULTS**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

Sample: MH-1 Lab ID: 10546963006 Collected: 02/02/21 13:53 Received: 02/04/21 09:46 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
1,1,2,2-Tetrachloroethane	<0.44	ug/m3	1.4	0.44	2.06		02/10/21 00:06	79-34-5	
Tetrachloroethene	0.63J	ug/m3	1.4	0.52	2.06		02/10/21 00:06	127-18-4	
Tetrahydrofuran	<0.27	ug/m3	1.2	0.27	2.06		02/10/21 00:06	109-99-9	
Toluene	1.0J	ug/m3	1.6	0.25	2.06		02/10/21 00:06	108-88-3	
1,2,4-Trichlorobenzene	<8.0	ug/m3	15.5	8.0	2.06		02/10/21 00:06	120-82-1	
1,1,1-Trichloroethane	<0.39	ug/m3	2.3	0.39	2.06		02/10/21 00:06	71-55-6	
1,1,2-Trichloroethane	<0.36	ug/m3	1.1	0.36	2.06		02/10/21 00:06	79-00-5	
Trichloroethene	<0.43	ug/m3	1.1	0.43	2.06		02/10/21 00:06	79-01-6	
Trichlorofluoromethane	1.9J	ug/m3	2.3	0.47	2.06		02/10/21 00:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.78J	ug/m3	3.2	0.48	2.06		02/10/21 00:06	76-13-1	
1,2,4-Trimethylbenzene	<0.40	ug/m3	2.1	0.40	2.06		02/10/21 00:06	95-63-6	
1,3,5-Trimethylbenzene	0.49J	ug/m3	2.1	0.42	2.06		02/10/21 00:06	108-67-8	
Vinyl acetate	<0.23	ug/m3	1.5	0.23	2.06		02/10/21 00:06	108-05-4	
Vinyl chloride	<0.17	ug/m3	0.54	0.17	2.06		02/10/21 00:06	75-01-4	
m&p-Xylene	1.7J	ug/m3	3.6	0.79	2.06		02/10/21 00:06	179601-23-1	
o-Xylene	0.56J	ug/m3	1.8	0.30	2.06		02/10/21 00:06	95-47-6	

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**QUALITY CONTROL DATA**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

QC Batch: 724498 Analysis Method: TO-15  
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level  
 Laboratory: Pace Analytical Services - Minneapolis  
 Associated Lab Samples: 10546963001, 10546963002, 10546963003, 10546963004, 10546963006

METHOD BLANK: 3861640 Matrix: Air  
 Associated Lab Samples: 10546963001, 10546963002, 10546963003, 10546963004, 10546963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	02/09/21 13:38	
1,1,2,2-Tetrachloroethane	ug/m3	<0.22	0.70	02/09/21 13:38	
1,1,2-Trichloroethane	ug/m3	<0.17	0.56	02/09/21 13:38	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.23	1.6	02/09/21 13:38	
1,1-Dichloroethane	ug/m3	<0.13	0.82	02/09/21 13:38	
1,1-Dichloroethene	ug/m3	<0.13	0.81	02/09/21 13:38	
1,2,4-Trichlorobenzene	ug/m3	4.2J	7.5	02/09/21 13:38	
1,2,4-Trimethylbenzene	ug/m3	<0.19	1.0	02/09/21 13:38	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	0.78	02/09/21 13:38	
1,2-Dichlorobenzene	ug/m3	0.75J	1.2	02/09/21 13:38	
1,2-Dichloroethane	ug/m3	<0.13	0.41	02/09/21 13:38	
1,2-Dichloropropane	ug/m3	<0.18	0.94	02/09/21 13:38	
1,3,5-Trimethylbenzene	ug/m3	<0.20	1.0	02/09/21 13:38	
1,3-Butadiene	ug/m3	<0.11	0.45	02/09/21 13:38	
1,3-Dichlorobenzene	ug/m3	0.88J	1.2	02/09/21 13:38	
1,4-Dichlorobenzene	ug/m3	0.98J	3.1	02/09/21 13:38	
2-Butanone (MEK)	ug/m3	<0.88	3.0	02/09/21 13:38	
2-Hexanone	ug/m3	<0.80	4.2	02/09/21 13:38	
2-Propanol	ug/m3	<0.85	2.5	02/09/21 13:38	
4-Ethyltoluene	ug/m3	<0.21	2.5	02/09/21 13:38	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.11	4.2	02/09/21 13:38	
Acetone	ug/m3	<2.2	6.0	02/09/21 13:38	
Benzene	ug/m3	<0.14	0.32	02/09/21 13:38	
Benzyl chloride	ug/m3	<1.3	2.6	02/09/21 13:38	
Bromodichloromethane	ug/m3	<0.23	1.4	02/09/21 13:38	
Bromoform	ug/m3	<0.92	5.2	02/09/21 13:38	
Bromomethane	ug/m3	<0.18	0.79	02/09/21 13:38	
Carbon disulfide	ug/m3	0.22J	0.63	02/09/21 13:38	
Carbon tetrachloride	ug/m3	<0.21	1.3	02/09/21 13:38	
Chlorobenzene	ug/m3	<0.16	0.94	02/09/21 13:38	
Chloroethane	ug/m3	<0.14	0.54	02/09/21 13:38	
Chloroform	ug/m3	<0.15	0.50	02/09/21 13:38	
Chloromethane	ug/m3	<0.077	0.42	02/09/21 13:38	
cis-1,2-Dichloroethene	ug/m3	<0.14	0.81	02/09/21 13:38	
cis-1,3-Dichloropropene	ug/m3	<0.16	0.92	02/09/21 13:38	
Cyclohexane	ug/m3	<0.18	1.8	02/09/21 13:38	
Dibromochloromethane	ug/m3	<0.33	1.7	02/09/21 13:38	
Dichlorodifluoromethane	ug/m3	<0.55	1.0	02/09/21 13:38	
Dichlorotetrafluoroethane	ug/m3	<0.24	1.4	02/09/21 13:38	
Ethanol	ug/m3	<0.57	1.9	02/09/21 13:38	

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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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

METHOD BLANK: 3861640 Matrix: Air  
Associated Lab Samples: 10546963001, 10546963002, 10546963003, 10546963004, 10546963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.12	0.73	02/09/21 13:38	
Ethylbenzene	ug/m3	<0.16	0.88	02/09/21 13:38	
Hexachloro-1,3-butadiene	ug/m3	<1.9	5.4	02/09/21 13:38	
m&p-Xylene	ug/m3	<0.38	1.8	02/09/21 13:38	
Methyl-tert-butyl ether	ug/m3	<0.13	3.7	02/09/21 13:38	
Methylene Chloride	ug/m3	<1.2	3.5	02/09/21 13:38	
n-Heptane	ug/m3	<0.15	0.83	02/09/21 13:38	
n-Hexane	ug/m3	<0.21	0.72	02/09/21 13:38	
Naphthalene	ug/m3	<1.9	2.7	02/09/21 13:38	
o-Xylene	ug/m3	<0.15	0.88	02/09/21 13:38	
Propylene	ug/m3	<0.24	0.35	02/09/21 13:38	
Styrene	ug/m3	<0.27	0.87	02/09/21 13:38	
Tetrachloroethene	ug/m3	<0.25	0.69	02/09/21 13:38	
Tetrahydrofuran	ug/m3	<0.13	0.60	02/09/21 13:38	
Toluene	ug/m3	<0.12	0.77	02/09/21 13:38	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	02/09/21 13:38	
trans-1,3-Dichloropropene	ug/m3	<0.66	0.92	02/09/21 13:38	
Trichloroethene	ug/m3	<0.21	0.55	02/09/21 13:38	
Trichlorofluoromethane	ug/m3	<0.23	1.1	02/09/21 13:38	
Vinyl acetate	ug/m3	<0.11	0.72	02/09/21 13:38	
Vinyl chloride	ug/m3	<0.084	0.26	02/09/21 13:38	

LABORATORY CONTROL SAMPLE: 3861641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	59.5	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	85.1	118	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	61.0	106	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	87.8	109	70-130	
1,1-Dichloroethane	ug/m3	42.7	45.6	107	70-133	
1,1-Dichloroethene	ug/m3	41.4	42.2	102	70-130	
1,2,4-Trichlorobenzene	ug/m3	156	161	103	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.5	53.6	104	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.3	91.3	114	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	64.6	102	70-146	
1,2-Dichloroethane	ug/m3	42.4	45.9	108	70-132	
1,2-Dichloropropane	ug/m3	48.6	52.4	108	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.6	53.3	103	70-143	
1,3-Butadiene	ug/m3	23.3	26.4	113	70-136	
1,3-Dichlorobenzene	ug/m3	63.4	65.5	103	70-145	
1,4-Dichlorobenzene	ug/m3	63.4	65.0	103	70-140	
2-Butanone (MEK)	ug/m3	31.4	32.3	103	50-139	
2-Hexanone	ug/m3	42.8	46.2	108	70-148	
2-Propanol	ug/m3	119	124	104	67-135	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

LABORATORY CONTROL SAMPLE: 3861641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	55.1	105	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	45.5	104	70-139	
Acetone	ug/m3	126	125	99	64-130	
Benzene	ug/m3	33.5	35.8	107	70-131	
Benzyl chloride	ug/m3	55.1	58.9	107	70-130	
Bromodichloromethane	ug/m3	71.5	78.4	110	70-133	
Bromoform	ug/m3	110	111	101	70-137	
Bromomethane	ug/m3	41.3	43.8	106	64-134	
Carbon disulfide	ug/m3	33.3	35.5	107	70-131	
Carbon tetrachloride	ug/m3	66.2	72.4	109	70-131	
Chlorobenzene	ug/m3	48.3	52.8	109	70-130	
Chloroethane	ug/m3	28.1	30.6	109	69-141	
Chloroform	ug/m3	51.1	54.5	107	70-130	
Chloromethane	ug/m3	21.9	23.0	105	70-130	
cis-1,2-Dichloroethene	ug/m3	41.6	45.9	110	70-137	
cis-1,3-Dichloropropene	ug/m3	47.7	54.9	115	70-144	
Cyclohexane	ug/m3	36.7	40.3	110	70-137	
Dibromochloromethane	ug/m3	90.7	92.8	102	70-132	
Dichlorodifluoromethane	ug/m3	51.6	52.5	102	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	76.3	105	70-130	
Ethanol	ug/m3	103	108	105	63-133	
Ethyl acetate	ug/m3	38.6	43.2	112	70-136	
Ethylbenzene	ug/m3	45.6	52.0	114	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	117	105	70-135	
m&p-Xylene	ug/m3	91.2	105	116	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	42.9	112	70-143	
Methylene Chloride	ug/m3	182	201	110	70-130	
n-Heptane	ug/m3	43.6	48.2	111	70-137	
n-Hexane	ug/m3	37.6	40.5	108	70-135	
Naphthalene	ug/m3	57.7	59.5	103	67-132	
o-Xylene	ug/m3	45.5	51.7	114	70-141	
Propylene	ug/m3	18.2	18.9	104	70-130	
Styrene	ug/m3	44.9	45.8	102	70-142	
Tetrachloroethene	ug/m3	71	77.9	110	70-130	
Tetrahydrofuran	ug/m3	31.5	35.1	111	70-136	
Toluene	ug/m3	39.5	43.6	110	70-138	
trans-1,2-Dichloroethene	ug/m3	42.2	46.5	110	70-130	
trans-1,3-Dichloropropene	ug/m3	47.7	50.0	105	70-145	
Trichloroethene	ug/m3	56.3	61.1	109	70-130	
Trichlorofluoromethane	ug/m3	59.7	61.7	103	69-135	
Vinyl acetate	ug/m3	34.5	35.1	102	70-146	
Vinyl chloride	ug/m3	26.7	28.4	106	70-137	

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

SAMPLE DUPLICATE: 3862458

Parameter	Units	10547272001 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	<0.28		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.23		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.64J		25	
1,1-Dichloroethane	ug/m3	ND	<0.17		25	
1,1-Dichloroethene	ug/m3	ND	<0.17		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.1		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.25		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.30		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.95		25	
1,2-Dichloroethane	ug/m3	ND	<0.17		25	
1,2-Dichloropropane	ug/m3	ND	<0.24		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.27		25	
1,3-Butadiene	ug/m3	ND	<0.14		25	
1,3-Dichlorobenzene	ug/m3	ND	<1.1		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
2-Butanone (MEK)	ug/m3	ND	<1.1		25	
2-Hexanone	ug/m3	ND	<1.0		25	
2-Propanol	ug/m3	ND	2.6J		25	
4-Ethyltoluene	ug/m3	ND	<0.28		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.14		25	
Acetone	ug/m3	ND	<2.9		25	
Benzene	ug/m3	ND	0.43		25	
Benzyl chloride	ug/m3	ND	<1.7		25	
Bromodichloromethane	ug/m3	ND	<0.30		25	
Bromoform	ug/m3	ND	<1.2		25	
Bromomethane	ug/m3	ND	<0.23		25	
Carbon disulfide	ug/m3	ND	<0.14		25	
Carbon tetrachloride	ug/m3	ND	0.45J		25	
Chlorobenzene	ug/m3	ND	<0.21		25	
Chloroethane	ug/m3	ND	<0.18		25	
Chloroform	ug/m3	ND	<0.19		25	
Chloromethane	ug/m3	1.2	1.3	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.18		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.21		25	
Cyclohexane	ug/m3	ND	<0.24		25	
Dibromochloromethane	ug/m3	ND	<0.43		25	
Dichlorodifluoromethane	ug/m3	2.7	2.8	4	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.31		25	
Ethanol	ug/m3	55.1	56.6	3	25	
Ethyl acetate	ug/m3	ND	<0.16		25	
Ethylbenzene	ug/m3	ND	<0.20		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.5		25	
m&p-Xylene	ug/m3	ND	<0.50		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.17		25	
Methylene Chloride	ug/m3	ND	<1.6		25	
n-Heptane	ug/m3	ND	<0.20		25	

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

SAMPLE DUPLICATE: 3862458

Parameter	Units	10547272001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	0.29J		25	
Naphthalene	ug/m3	ND	<2.4		25	
o-Xylene	ug/m3	ND	<0.19		25	
Propylene	ug/m3	ND	<0.31		25	
Styrene	ug/m3	ND	<0.35		25	
Tetrachloroethene	ug/m3	ND	<0.32		25	
Tetrahydrofuran	ug/m3	ND	<0.17		25	
Toluene	ug/m3	ND	0.26J		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.22		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.86		25	
Trichloroethene	ug/m3	ND	<0.27		25	
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	<0.15		25	
Vinyl chloride	ug/m3	ND	<0.11		25	

SAMPLE DUPLICATE: 3862459

Parameter	Units	10547272003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.26		25	
1,1,1,2-Tetrachloroethane	ug/m3	ND	<0.29		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.24		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.73J		25	
1,1-Dichloroethane	ug/m3	ND	<0.17		25	
1,1-Dichloroethene	ug/m3	ND	<0.17		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.3		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.26		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.32		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.99		25	
1,2-Dichloroethane	ug/m3	ND	<0.18		25	
1,2-Dichloropropane	ug/m3	ND	<0.25		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.28		25	
1,3-Butadiene	ug/m3	ND	<0.15		25	
1,3-Dichlorobenzene	ug/m3	ND	<1.1		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
2-Butanone (MEK)	ug/m3	ND	<1.2		25	
2-Hexanone	ug/m3	ND	<1.1		25	
2-Propanol	ug/m3	ND	<1.2		25	
4-Ethyltoluene	ug/m3	ND	<0.29		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.15		25	
Acetone	ug/m3	ND	<3.0		25	
Benzene	ug/m3	0.48	0.49	1	25	
Benzyl chloride	ug/m3	ND	<1.8		25	
Bromodichloromethane	ug/m3	ND	<0.31		25	
Bromoform	ug/m3	ND	<1.2		25	
Bromomethane	ug/m3	ND	<0.24		25	

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**QUALITY CONTROL DATA**

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

SAMPLE DUPLICATE: 3862459

Parameter	Units	10547272003 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.14		25	
Carbon tetrachloride	ug/m3	ND	<0.29		25	
Chlorobenzene	ug/m3	ND	<0.22		25	
Chloroethane	ug/m3	ND	<0.19		25	
Chloroform	ug/m3	ND	<0.20		25	
Chloromethane	ug/m3	1.5	1.5	3	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.19		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.22		25	
Cyclohexane	ug/m3	ND	<0.25		25	
Dibromochloromethane	ug/m3	ND	<0.45		25	
Dichlorodifluoromethane	ug/m3	2.7	2.7	1	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.33		25	
Ethanol	ug/m3	8.9	8.8	1	25	
Ethyl acetate	ug/m3	ND	<0.16		25	
Ethylbenzene	ug/m3	ND	<0.21		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.6		25	
m&p-Xylene	ug/m3	ND	<0.52		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.18		25	
Methylene Chloride	ug/m3	ND	<1.6		25	
n-Heptane	ug/m3	ND	<0.21		25	
n-Hexane	ug/m3	ND	<0.29		25	
Naphthalene	ug/m3	ND	<2.6		25	
o-Xylene	ug/m3	ND	<0.20		25	
Propylene	ug/m3	ND	<0.33		25	
Styrene	ug/m3	ND	0.57J		25	
Tetrachloroethene	ug/m3	ND	<0.34		25	
Tetrahydrofuran	ug/m3	ND	<0.18		25	
Toluene	ug/m3	ND	0.52J		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.23		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.90		25	
Trichloroethene	ug/m3	ND	<0.29		25	
Trichlorofluoromethane	ug/m3	1.6	1.7	3	25	
Vinyl acetate	ug/m3	ND	<0.16		25	
Vinyl chloride	ug/m3	ND	<0.11		25	

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**QUALITY CONTROL DATA**

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

QC Batch: 724735 Analysis Method: TO-15  
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level  
 Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10546963005

METHOD BLANK: 3862690 Matrix: Air

Associated Lab Samples: 10546963005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	02/10/21 08:58	
1,1,2,2-Tetrachloroethane	ug/m3	<0.22	0.70	02/10/21 08:58	
1,1,2-Trichloroethane	ug/m3	<0.17	0.56	02/10/21 08:58	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.23	1.6	02/10/21 08:58	
1,1-Dichloroethane	ug/m3	<0.13	0.82	02/10/21 08:58	
1,1-Dichloroethene	ug/m3	<0.13	0.81	02/10/21 08:58	
1,2,4-Trichlorobenzene	ug/m3	<3.9	7.5	02/10/21 08:58	
1,2,4-Trimethylbenzene	ug/m3	<0.19	1.0	02/10/21 08:58	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	0.78	02/10/21 08:58	
1,2-Dichlorobenzene	ug/m3	<0.73	1.2	02/10/21 08:58	
1,2-Dichloroethane	ug/m3	<0.13	0.41	02/10/21 08:58	
1,2-Dichloropropane	ug/m3	<0.18	0.94	02/10/21 08:58	
1,3,5-Trimethylbenzene	ug/m3	<0.20	1.0	02/10/21 08:58	
1,3-Butadiene	ug/m3	<0.11	0.45	02/10/21 08:58	
1,3-Dichlorobenzene	ug/m3	<0.84	1.2	02/10/21 08:58	
1,4-Dichlorobenzene	ug/m3	<0.97	3.1	02/10/21 08:58	
2-Butanone (MEK)	ug/m3	<0.88	3.0	02/10/21 08:58	
2-Hexanone	ug/m3	<0.80	4.2	02/10/21 08:58	
2-Propanol	ug/m3	<0.85	2.5	02/10/21 08:58	
4-Ethyltoluene	ug/m3	<0.21	2.5	02/10/21 08:58	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.11	4.2	02/10/21 08:58	
Acetone	ug/m3	<2.2	6.0	02/10/21 08:58	
Benzene	ug/m3	<0.14	0.32	02/10/21 08:58	
Benzyl chloride	ug/m3	<1.3	2.6	02/10/21 08:58	
Bromodichloromethane	ug/m3	<0.23	1.4	02/10/21 08:58	
Bromoform	ug/m3	<0.92	5.2	02/10/21 08:58	
Bromomethane	ug/m3	<0.18	0.79	02/10/21 08:58	
Carbon disulfide	ug/m3	<0.10	0.63	02/10/21 08:58	
Carbon tetrachloride	ug/m3	<0.21	1.3	02/10/21 08:58	
Chlorobenzene	ug/m3	<0.16	0.94	02/10/21 08:58	
Chloroethane	ug/m3	<0.14	0.54	02/10/21 08:58	
Chloroform	ug/m3	<0.15	0.50	02/10/21 08:58	
Chloromethane	ug/m3	<0.077	0.42	02/10/21 08:58	
cis-1,2-Dichloroethene	ug/m3	<0.14	0.81	02/10/21 08:58	
cis-1,3-Dichloropropene	ug/m3	<0.16	0.92	02/10/21 08:58	
Cyclohexane	ug/m3	<0.18	1.8	02/10/21 08:58	
Dibromochloromethane	ug/m3	<0.33	1.7	02/10/21 08:58	
Dichlorodifluoromethane	ug/m3	<0.55	1.0	02/10/21 08:58	
Dichlorotetrafluoroethane	ug/m3	<0.24	1.4	02/10/21 08:58	
Ethanol	ug/m3	<0.57	1.9	02/10/21 08:58	

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

METHOD BLANK: 3862690 Matrix: Air  
Associated Lab Samples: 10546963005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.12	0.73	02/10/21 08:58	
Ethylbenzene	ug/m3	<0.16	0.88	02/10/21 08:58	
Hexachloro-1,3-butadiene	ug/m3	<1.9	5.4	02/10/21 08:58	
m&p-Xylene	ug/m3	<0.38	1.8	02/10/21 08:58	
Methyl-tert-butyl ether	ug/m3	<0.13	3.7	02/10/21 08:58	
Methylene Chloride	ug/m3	<1.2	3.5	02/10/21 08:58	
n-Heptane	ug/m3	<0.15	0.83	02/10/21 08:58	
n-Hexane	ug/m3	<0.21	0.72	02/10/21 08:58	
Naphthalene	ug/m3	<1.9	2.7	02/10/21 08:58	
o-Xylene	ug/m3	<0.15	0.88	02/10/21 08:58	
Propylene	ug/m3	<0.24	0.35	02/10/21 08:58	
Styrene	ug/m3	<0.27	0.87	02/10/21 08:58	
Tetrachloroethene	ug/m3	<0.25	0.69	02/10/21 08:58	
Tetrahydrofuran	ug/m3	<0.13	0.60	02/10/21 08:58	
Toluene	ug/m3	<0.12	0.77	02/10/21 08:58	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	02/10/21 08:58	
trans-1,3-Dichloropropene	ug/m3	<0.66	0.92	02/10/21 08:58	
Trichloroethene	ug/m3	<0.21	0.55	02/10/21 08:58	
Trichlorofluoromethane	ug/m3	<0.23	1.1	02/10/21 08:58	
Vinyl acetate	ug/m3	<0.11	0.72	02/10/21 08:58	
Vinyl chloride	ug/m3	<0.084	0.26	02/10/21 08:58	

LABORATORY CONTROL SAMPLE: 3862691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	62.7	110	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	84.2	117	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	63.4	111	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	91.4	114	70-130	
1,1-Dichloroethane	ug/m3	42.7	49.3	115	70-133	
1,1-Dichloroethene	ug/m3	41.4	44.8	108	70-130	
1,2,4-Trichlorobenzene	ug/m3	156	155	99	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.5	55.8	108	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.3	94.2	117	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	65.6	104	70-146	
1,2-Dichloroethane	ug/m3	42.4	49.2	116	70-132	
1,2-Dichloropropane	ug/m3	48.6	56.9	117	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.6	55.5	108	70-143	
1,3-Butadiene	ug/m3	23.3	28.2	121	70-136	
1,3-Dichlorobenzene	ug/m3	63.4	66.1	104	70-145	
1,4-Dichlorobenzene	ug/m3	63.4	65.9	104	70-140	
2-Butanone (MEK)	ug/m3	31.4	34.1	109	50-139	
2-Hexanone	ug/m3	42.8	50.0	117	70-148	
2-Propanol	ug/m3	119	134	113	67-135	

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners

Pace Project No.: 10546963

LABORATORY CONTROL SAMPLE: 3862691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.4	54.9	105	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	49.7	114	70-139	
Acetone	ug/m3	126	135	107	64-130	
Benzene	ug/m3	33.5	38.1	114	70-131	
Benzyl chloride	ug/m3	55.1	61.3	111	70-130	
Bromodichloromethane	ug/m3	71.5	82.8	116	70-133	
Bromoforn	ug/m3	110	112	102	70-137	
Bromomethane	ug/m3	41.3	45.1	109	64-134	
Carbon disulfide	ug/m3	33.3	37.5	113	70-131	
Carbon tetrachloride	ug/m3	66.2	75.5	114	70-131	
Chlorobenzene	ug/m3	48.3	54.8	113	70-130	
Chloroethane	ug/m3	28.1	31.8	113	69-141	
Chloroform	ug/m3	51.1	57.8	113	70-130	
Chloromethane	ug/m3	21.9	25.1	114	70-130	
cis-1,2-Dichloroethene	ug/m3	41.6	48.3	116	70-137	
cis-1,3-Dichloropropene	ug/m3	47.7	57.7	121	70-144	
Cyclohexane	ug/m3	36.7	44.0	120	70-137	
Dibromochloromethane	ug/m3	90.7	95.4	105	70-132	
Dichlorodifluoromethane	ug/m3	51.6	56.1	109	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	80.0	110	70-130	
Ethanol	ug/m3	103	115	112	63-133	
Ethyl acetate	ug/m3	38.6	46.9	122	70-136	
Ethylbenzene	ug/m3	45.6	54.6	120	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	112	100	70-135	
m&p-Xylene	ug/m3	91.2	111	122	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	45.9	120	70-143	
Methylene Chloride	ug/m3	182	223	123	70-130	
n-Heptane	ug/m3	43.6	53.1	122	70-137	
n-Hexane	ug/m3	37.6	44.5	118	70-135	
Naphthalene	ug/m3	57.7	58.3	101	67-132	
o-Xylene	ug/m3	45.5	50.9	112	70-141	
Propylene	ug/m3	18.2	21.0	115	70-130	
Styrene	ug/m3	44.9	46.5	103	70-142	
Tetrachloroethene	ug/m3	71	77.5	109	70-130	
Tetrahydrofuran	ug/m3	31.5	38.3	122	70-136	
Toluene	ug/m3	39.5	45.5	115	70-138	
trans-1,2-Dichloroethene	ug/m3	42.2	48.8	116	70-130	
trans-1,3-Dichloropropene	ug/m3	47.7	52.3	110	70-145	
Trichloroethene	ug/m3	56.3	62.7	111	70-130	
Trichlorofluoromethane	ug/m3	59.7	63.9	107	69-135	
Vinyl acetate	ug/m3	34.5	37.1	107	70-146	
Vinyl chloride	ug/m3	26.7	30.2	113	70-137	

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### REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
 Pace Project No.: 10546963

SAMPLE DUPLICATE: 3863466

Parameter	Units	10547456001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.38		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.43		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.35		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.72J		25	
1,1-Dichloroethane	ug/m3	ND	<0.26		25	
1,1-Dichloroethene	ug/m3	ND	<0.26		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<7.8		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.39		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.47		25	
1,2-Dichlorobenzene	ug/m3	ND	<1.5		25	
1,2-Dichloroethane	ug/m3	ND	<0.26		25	
1,2-Dichloropropane	ug/m3	ND	<0.36		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.41		25	
1,3-Butadiene	ug/m3	ND	<0.22		25	
1,3-Dichlorobenzene	ug/m3	ND	<1.7		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.9		25	
2-Butanone (MEK)	ug/m3	ND	<1.8		25	
2-Hexanone	ug/m3	ND	<1.6		25	
2-Propanol	ug/m3	5.1	5.2	2	25	
4-Ethyltoluene	ug/m3	ND	<0.43		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.22		25	
Acetone	ug/m3	ND	7.6J		25	
Benzene	ug/m3	0.77	0.74	4	25	
Benzyl chloride	ug/m3	ND	<2.7		25	
Bromodichloromethane	ug/m3	ND	<0.46		25	
Bromoform	ug/m3	ND	<1.8		25	
Bromomethane	ug/m3	ND	<0.36		25	
Carbon disulfide	ug/m3	ND	<0.21		25	
Carbon tetrachloride	ug/m3	ND	0.45J		25	
Chlorobenzene	ug/m3	ND	<0.32		25	
Chloroethane	ug/m3	ND	<0.28		25	
Chloroform	ug/m3	ND	<0.30		25	
Chloromethane	ug/m3	2.0	1.9	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.28		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.32		25	
Cyclohexane	ug/m3	ND	<0.37		25	
Dibromochloromethane	ug/m3	ND	<0.67		25	
Dichlorodifluoromethane	ug/m3	3.0	2.9	1	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.49		25	
Ethanol	ug/m3	31.4	30.2	4	25	
Ethyl acetate	ug/m3	ND	<0.24		25	
Ethylbenzene	ug/m3	ND	<0.31		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<3.9		25	
m&p-Xylene	ug/m3	ND	<0.77		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.27		25	
Methylene Chloride	ug/m3	ND	<2.4		25	
n-Heptane	ug/m3	ND	<0.31		25	

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REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

SAMPLE DUPLICATE: 3863466

Parameter	Units	10547456001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	0.64J		25	
Naphthalene	ug/m3	ND	<3.8		25	
o-Xylene	ug/m3	ND	<0.29		25	
Propylene	ug/m3	ND	<0.48		25	
Styrene	ug/m3	ND	0.78J		25	
Tetrachloroethene	ug/m3	ND	<0.50		25	
Tetrahydrofuran	ug/m3	ND	<0.26		25	
Toluene	ug/m3	ND	0.72J		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.34		25	
trans-1,3-Dichloropropene	ug/m3	ND	<1.3		25	
Trichloroethene	ug/m3	ND	<0.42		25	
Trichlorofluoromethane	ug/m3	ND	1.6J		25	
Vinyl acetate	ug/m3	ND	<0.23		25	
Vinyl chloride	ug/m3	ND	<0.17		25	

SAMPLE DUPLICATE: 3863467

Parameter	Units	10547456009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.56		25	
1,1,1,2-Tetrachloroethane	ug/m3	ND	<0.64		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.52		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.69		25	
1,1-Dichloroethane	ug/m3	ND	<0.38		25	
1,1-Dichloroethene	ug/m3	ND	<0.38		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<11.7		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.58		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.70		25	
1,2-Dichlorobenzene	ug/m3	ND	<2.2		25	
1,2-Dichloroethane	ug/m3	ND	<0.39		25	
1,2-Dichloropropane	ug/m3	ND	<0.54		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.61		25	
1,3-Butadiene	ug/m3	ND	<0.33		25	
1,3-Dichlorobenzene	ug/m3	ND	<2.5		25	
1,4-Dichlorobenzene	ug/m3	ND	<2.9		25	
2-Butanone (MEK)	ug/m3	ND	<2.6		25	
2-Hexanone	ug/m3	ND	<2.4		25	
2-Propanol	ug/m3	ND	6.5J		25	
4-Ethyltoluene	ug/m3	ND	<0.64		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.33		25	
Acetone	ug/m3	30.9	31.7	2	25	
Benzene	ug/m3	1.0	1.0	1	25	
Benzyl chloride	ug/m3	ND	<3.9		25	
Bromodichloromethane	ug/m3	ND	<0.68		25	
Bromoform	ug/m3	ND	<2.7		25	
Bromomethane	ug/m3	ND	<0.54		25	

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QUALITY CONTROL DATA

Project: B2100615 Garry 1 Hr Cleaners

Pace Project No.: 10546963

SAMPLE DUPLICATE: 3863467

Parameter	Units	10547456009 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.31		25	
Carbon tetrachloride	ug/m3	ND	<0.64		25	
Chlorobenzene	ug/m3	ND	<0.48		25	
Chloroethane	ug/m3	ND	<0.41		25	
Chloroform	ug/m3	ND	<0.44		25	
Chloromethane	ug/m3	1.9	1.8	3	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.42		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.48		25	
Cyclohexane	ug/m3	ND	<0.55		25	
Dibromochloromethane	ug/m3	ND	<0.99		25	
Dichlorodifluoromethane	ug/m3	ND	3.0J		25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.72		25	
Ethanol	ug/m3	18.5	19.2	3	25	
Ethyl acetate	ug/m3	ND	1.0J		25	
Ethylbenzene	ug/m3	ND	<0.46		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<5.8		25	
m&p-Xylene	ug/m3	ND	<1.2		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.40		25	
Methylene Chloride	ug/m3	ND	<3.6		25	
n-Heptane	ug/m3	ND	<0.45		25	
n-Hexane	ug/m3	ND	1.6J		25	
Naphthalene	ug/m3	ND	<5.6		25	
o-Xylene	ug/m3	ND	<0.44		25	
Propylene	ug/m3	2.8	2.8	1	25	
Styrene	ug/m3	ND	<0.81		25	
Tetrachloroethene	ug/m3	ND	<0.75		25	
Tetrahydrofuran	ug/m3	ND	<0.39		25	
Toluene	ug/m3	ND	1.3J		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.50		25	
trans-1,3-Dichloropropene	ug/m3	ND	<2.0		25	
Trichloroethene	ug/m3	ND	<0.63		25	
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	<0.34		25	
Vinyl chloride	ug/m3	ND	<0.25		25	

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REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

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### 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

N The reported TIC has an 85% or higher match on a mass spectral library search.

## REPORT OF LABORATORY ANALYSIS



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B2100615 Garry 1 Hr Cleaners  
Pace Project No.: 10546963

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10546963001	SS-1	TO-15	724498		
10546963002	SS-2	TO-15	724498		
10546963003	SS-3	TO-15	724498		
10546963004	SS-4	TO-15	724498		
10546963005	FD-1	TO-15	724735		
10546963006	MH-1	TO-15	724498		

### REPORT OF LABORATORY ANALYSIS

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**AIR** WO#: 10546963  
The Chain-of-  
10546963

Test Document

accurately.

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information: 825 Page: 1 of 1

Company: Brown Intertec Report To: Nick Stngl  
 Address: 2309 Palace Street Copy To: Nick Stngl  
La Crosse WI 54603  
 Email To: nstngl@brownintertec.com Purchase Order No.: B2100615  
 Phone: 608 781 7277 Fax: Project Name: Garry IHC Cleaners  
 Requested Due Date/TAT: Project Number: B2100615

Program  
 UST  Superfund  Emissions  Clean Air Act  
 Voluntary Clean Up  Dry Clean  RCRA  Other  
 Location of Sampling by State: WI  
 Reporting Units: ug/m<sup>3</sup> mg/m<sup>3</sup> PPMV PPMV Other  
 Report Level: II. III. IV. Other

ITEM #	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	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Method:								Face Lab ID	
					COMPOSITE START		COMPOSITE - END/OURS						PM10	SC - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List TOCS	TO-15 Short List BTEX	TO-15 Short List Chlorinated		TO-15 Short List (other)
					DATE	TIME	DATE	TIME														
1	SS-1		1LC	0.6	2/2/21	9:24	2/2/21	9:31	-29	-5	3 2 3 7	0 7 2 0										01
2	SS-2			0.7		10:39		10:45	-30	-5	3 1 4 6	1 1 8 0										02
3	SS-3			31.2		11:47		11:54	-31	-5	2 4 2 4	0 7 3 5										03
4	SS-4			11.4		13:15		13:21	-27	-5	0 9 1 4	2 7 0 8										04
5	FD-1			12.8		12:54		12:54	-30	-6	3 1 0 8											05
6	MH-1			0.2		13:53		13:53	-28	-7	1 3 4 2											06
8	FD-1 (HOLD) / do NOT run										3 0 5 7											07
10	SS-2 (HOLD) / do NOT run										3 1 3 1	2 6 2 7										08

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<u>Nick Stngl (Brown)</u>	<u>2/3/21</u>	<u>17:00</u>	<u>Malik [Signature]</u>	<u>2/4/21</u>	<u>9:46</u>	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Jared LaRue (Brown)  
 SIGNATURE of SAMPLER: Nick Stngl for Jared DATE Signed (MM/DD/YY) 2/3/2021

ORIGINAL

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**Air Sample Condition Upon Receipt** Client Name: Braun Project #: **WO# : 10546963**  
 Courier:  Fed Ex  UPS  USPS  Client  
 Pace  Speedee  Commercial See Exception  
 Tracking Number: 1723 2549 1146

PM: BM2 Due Date: 02/11/21  
 CLIENT: Braun-BLM

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: 2/4/21 [Signature]  
 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: <input checked="" type="checkbox"/> Air Can <input type="checkbox"/> Airbag <input type="checkbox"/> Filter <input type="checkbox"/> TDT <input type="checkbox"/> Passive		11. Individually Certified Cans Y <input checked="" type="checkbox"/> N (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. <u>3 gauges attached</u>

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
SS-1	3237	720	-4	+10					
SS-2	3146	1180	-3.5						
11-3	2424	735	-2.5						
11-4	914	2708	-4						
FD-1	3108	-	-4.5						
MH-1	1342	-	-5.5						
FD-1 (HOLD)	3057	-	-5.5						
SS-2 (HOLD)	3131	2627	-4.5						

**CLIENT NOTIFICATION/RESOLUTION** Field Data Required?  Yes  No  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_