



March 3, 2016

Kristen Tenorio
2566 Pioneer Rd
Richfield, WI 53076



RE: **Environmental Investigation Sampling Results**
BRRTS#: 02-41-562047

Dear Ms. Tenorio:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of environmental samples collected from your property located at 2600 Wauwatosa Avenue in Wauwatosa, Wisconsin on February 13 and 14, 2016. The sampling activities are part of an environmental investigation being performed for the former Modern (Vogue) Cleaners facility located at 2578 North Wauwatosa Ave, Wauwatosa, Wisconsin at the direction of the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

The Responsible Party is:

Former Vogue and Modern Drycleaners
Ron Collison
2578 North Wauwatosa Ave,
Wauwatosa, Wisconsin

Sampling Results

Seven (7) samples were collected from your property located at 2600 Wauwatosa Ave. Two (2) sub-slab vapor samples designated 6349-2600-SSV-1 and 6349-2600-SSV-2 were collected from the beneath the basement floor. Indoor air samples 6349-2600-IA-1-1, 6349-2600-IA-2-1, 6349-2600-IA-3-B and 6349-2600-IA-4-B were collected from the first floor, and basement floor respectively. The sampling locations are depicted on the attached map. The laboratory report that relates to the vapor and air samples is also attached.

Document: 6349-0205

Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: 262-290-4001 • Fax 317-972-7875



In samples 6349-2600-SSV-1 and 6349-2600-SSV-2, tetrachloroethene (PCE) was detected at concentrations of 643 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 604 $\mu\text{g}/\text{m}^3$, respectively, which are below the Vapor Risk Screening Level of 5,999 ($\mu\text{g}/\text{m}^3$). These results are compared to the screening levels on the attached Table. The targeted chemicals were not detected in the indoor air and outdoor air samples.

At this time, further sampling or mitigation does not appear to be warranted. If you have any questions or would like us to discuss these results with you, please contact us at 262-290-4001 or by email at rhoverman@enviroforensics.com. The WDNR project manager, Gena Larson, can be reached at (608) 261-5404. We greatly appreciate your help and patience with this matter.

Sincerely,

Environmental Forensic Investigations, Inc.

A handwritten signature in black ink, appearing to read "Rob Hoverman".

Rob Hoverman, LPG
Senior Project Manager

Attachments: Results Table
Vapor Intrusion Sample Location Maps
WDNR Fact Sheet RR-977
Laboratory Analytical Report

Copy: Gena Larson, Wisconsin Department of Natural Resources

TABLE 10
SUB-SLAB AND INDOOR/OUTDOOR AIR VAPOR SAMPLE ANALYTICAL RESULTS
2600 W. WAUWATOSA AVENUE

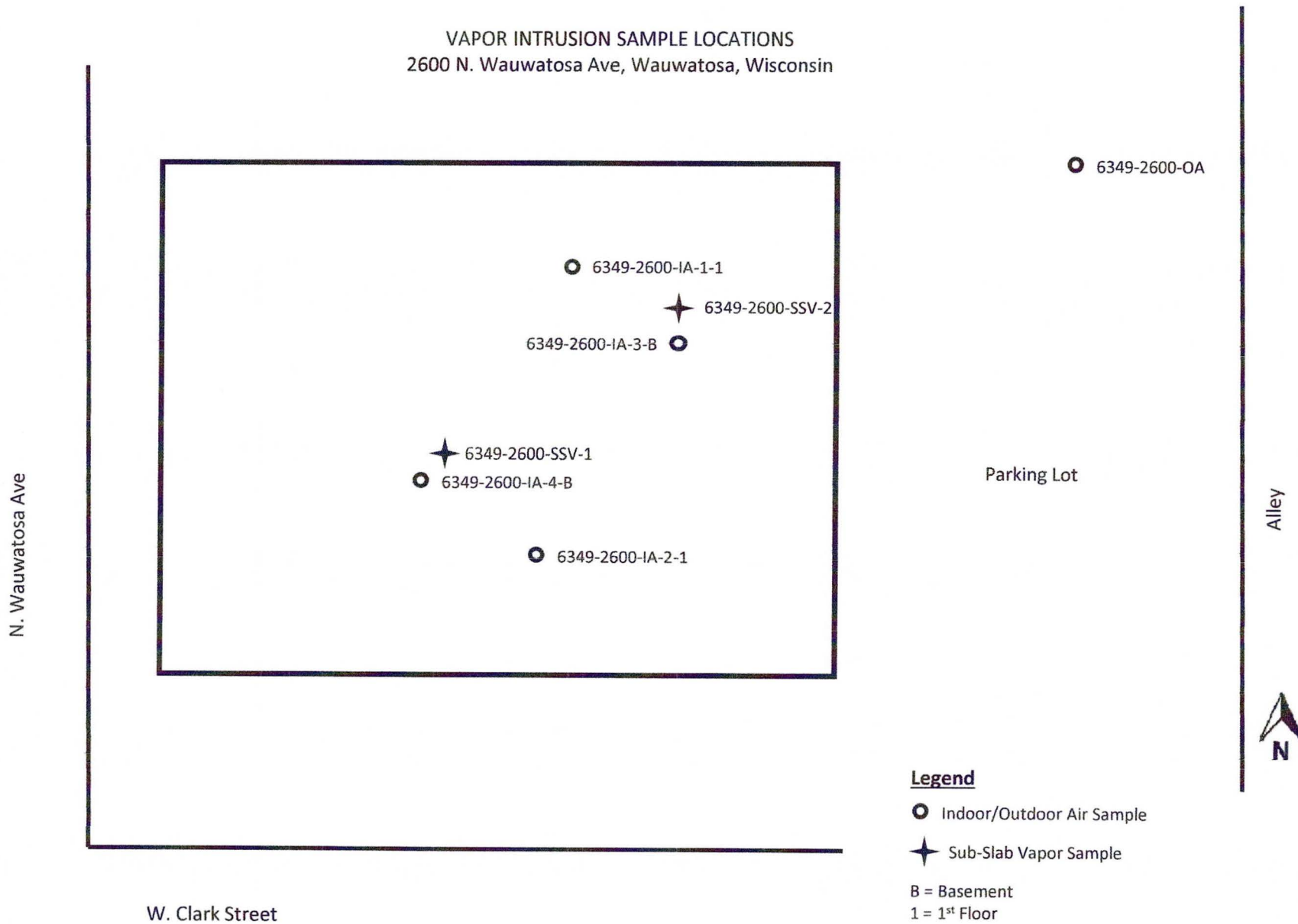
Former Vogue Cleaners
 2578 N. Wauwatosa Avenue,
 Wauwatosa, Wisconsin

Sample Address	Sample Identification	Sample Location	Applicable Criteria	Date Sampled	Chlorinated VOCs				
					Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
INDOOR/ OUTDOOR AIR									
Preventative Action Limit					42	2.1	NE	NE	1.7
2600 Wauwatosa Ave	EnviroForensics	6349-2600-IA-1-1	N Workstation	9/27/2015	<3.19	<1.07	<19.8	<39.6	<1.28
				2/14/2016	<3.19	<1.07	<19.8	<39.6	<1.28
		6349-2600-IA-2-1	S Reception	9/27/2015	<3.19	<1.07	<19.8	<39.6	<1.28
				2/14/2016	<3.19	<1.07	<19.8	<39.6	<1.28
		6349-2600-IA-3-B	NE Office	9/27/2015	8.07	2.47	<19.8	<39.6	<1.28
				2/14/2016	<3.19	<1.07	<19.8	<39.6	<1.28
		6349-2600-IA-4-B	SW Excercise Room	9/27/2015	<3.19	<1.07	<19.8	<39.6	<1.28
				2/14/2016	<3.19	<1.07	<19.8	<39.6	<1.28
		6349-2600-OA	NE on Property Line	9/27/2015	<3.19	<1.07	<19.8	<39.6	<1.28
				2/14/2016	<3.19	<1.07	<19.8	<39.6	<1.28
SUB-SLAB VAPOR									
Residential Vapor Risk Screening Level					1400	70	NE	NE	57
Non-Residential Vapor Risk Screening Level					5,999	293	NE	8,666	933
2600 Wauwatosa Ave	EnviroForensics	6349-2600-SSV-1	Near SW Exercise Room	9/27/2015	878	<10.7	<198	<396	<12.8
				2/14/2016	643	<10.7	<198	<396	<12.8
		6349-2600-SSV-2	Near NE Office	9/27/2015	48.8	<10.7	<198	<396	<12.8
				2/14/2016	604	<10.7	<198	<396	<12.8

Notes:

Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
 Analysis performed by Envision Laboratories according to EPA Method TO-15
 OA = Outdoor Air
 SSV = Sub-Slab Vapor
 Sub-slab vapor screening levels derived using the attenuation factor of 0.3.
Bolded values are above detection limits

VAPOR INTRUSION SAMPLE LOCATIONS
2600 N. Wauwatosa Ave, Wauwatosa, Wisconsin





EnvisionAir
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Mr. Rob Hoverman
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

February 24, 2016

EnvisionAir Project Number: 2016-113
Client Project Name: 6349 / Vogue Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received February 18, 2016. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

A handwritten signature in cursive script that reads "Stanley A. Hunnicutt".

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Sample Summary

Canister Pressure / Vacuum

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>Matrix:</u>	<u>START</u>	<u>START</u>	<u>End Date</u>	<u>End Time</u>	<u>Date</u>	<u>Time</u>	<u>Initial Field</u>	<u>Final Field</u>	<u>Lab</u>
			<u>Collected:</u>	<u>Collected:</u>							<u>Collected:</u>
16-429	6349-2600-IA-1-1	A	2/13/16	12:59	2/14/16	12:36	2/18/16	9:40	-29	-6	-6
16-430	6349-2600-IA-2-1	A	2/13/16	12:58	2/14/16	12:37	2/18/16	9:40	-31	-3	-3
16-431	6349-2600-IA-3-B	A	2/13/16	12:56	2/14/16	12:33	2/18/16	9:40	-29	-4	-4
16-432	6349-2600-IA-4-B	A	2/13/16	12:57	2/14/16	12:34	2/18/16	9:40	-29	-3	-3
16-433	6349-2600-OA	A	2/13/16	12:15	2/14/16	12:26	2/18/16	9:40	-29	-4	-4
16-434	6349-2600-SSV-1	A	2/14/16	13:12	2/14/16	13:18	2/18/16	9:40	-29	-3	-3
16-435	6349-2600-SSV-2	A	2/14/16	12:51	2/14/16	12:55	2/18/16	9:40	-25	-3	-3



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 021716CAIR

Client Sample ID: 6349-2600-IA-1-1
Envision Sample Number: 16-429
Sample Matrix: AIR

Sample Collection START Date/Time: 2/13/16 12:59
Sample Collection END Date/Time: 2/14/16 12:36
Sample Received Date/Time: 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	2-18-16/16:50		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 021716CAIR

Client Sample ID: 6349-2600-IA-2-1
Envision Sample Number: 16-430
Sample Matrix: AIR

Sample Collection START Date/Time: 2/13/16 12:58
Sample Collection END Date/Time: 2/14/16 12:37
Sample Received Date/Time: 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	101%		
Analysis Date/Time:	2-18-16/17:31		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 021716CAIR

Client Sample ID: 6349-2600-IA-3-B
Envision Sample Number: 16-431
Sample Matrix: AIR

Sample Collection START Date/Time: 2/13/16 12:56
Sample Collection END Date/Time: 2/14/16 12:33
Sample Received Date/Time: 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	2-18-16/18:12		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 021716CAIR

Client Sample ID: 6349-2600-IA-4-B
Envision Sample Number: 16-432
Sample Matrix: AIR

Sample Collection START Date/Time: 2/13/16 12:57
Sample Collection END Date/Time: 2/14/16 12:34
Sample Received Date/Time: 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	2-18-16/18:53		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 021716CAIR

Client Sample ID: 6349-2600-OA
Envision Sample Number: 16-433
Sample Matrix: AIR

Sample Collection START Date/Time: 2/13/16 12:15
Sample Collection END Date/Time: 2/14/16 12:26
Sample Received Date/Time: 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	99%		
Analysis Date/Time:	2-18-16/16:08		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 022016AIR

Client Sample ID: 6349-2600-SSV-1 **Sample Collection START Date/Time:** 2/14/16 13:12
Sample Collection END Date/Time: 2/14/16 13:18
Envision Sample Number: 16-434 **Sample Received Date/Time:** 2/18/16 9:40
Sample Matrix: AIR

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 5460	5460	2
1,1,2,2-Tetrachloroethane	< 3.36	3.36	1,2
1,1,2-Trichloroethane	< 2.10	2.10	1,2
1,1-Dichloroethane	< 40.5	40.5	2
1,1-Dichloroethene	< 1980	1980	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 49.2	49.2	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 601	601	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 49.2	49.2	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 601	601	2
1,4-Dichlorobenzene	< 6.01	6.01	2
1,4-Dioxane	< 18.0	18.0	2
2-Butanone (MEK)	< 29500	29500	2
2-Hexanone	< 205	205	2
Acetone	< 23800	23800	2
Benzene	< 16.0	16.0	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 38.8	38.8	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 230	230	2
Chloroethane	< 132	132	2



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 8.30	8.30	2
Chloromethane	< 206	206	2
cis-1,2-Dichloroethene	< 198	198	2
cis-1,3-Dichloropropene	< 45.4	45.4	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 495	495	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 86.8	86.8	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 434	434	2
Methylene Chloride	< 417	417	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 434	434	2
Propylene	< 1720	1720	2
Styrene	< 4260	4260	2
Tetrachloroethene	643	31.9	2
Tetrahydrofuran	< 2950	2950	2
Toluene	< 37700	37700	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 45.4	45.4	2
Trichlorethene	< 10.7	10.7	2
Trichlorofluoromethane	< 5620	5620	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 12.8	12.8	2
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	02-20-16/14:17		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS
Project ID: 6349 / VOGUE CLEANERS
Client Project Manager: ROB HOVERMAN
EnvisionAir Project Number: 2016-113

Analytical Method: TO-15
Analytical Batch: 022016AIR

Client Sample ID: 6349-2600-SSV-2 **Sample Collection START Date/Time:** 2/14/16 12:51
Envision Sample Number: 16-435 **Sample Collection END Date/Time:** 2/14/16 12:55
Sample Matrix: AIR **Sample Received Date/Time:** 2/18/16 9:40

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 5460	5460	2
1,1,2,2-Tetrachloroethane	< 3.36	3.36	1,2
1,1,2-Trichloroethane	< 2.10	2.10	1,2
1,1-Dichloroethane	< 40.5	40.5	2
1,1-Dichloroethene	< 1980	1980	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 49.2	49.2	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 601	601	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 49.2	49.2	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 601	601	2
1,4-Dichlorobenzene	< 6.01	6.01	2
1,4-Dioxane	< 18.0	18.0	2
2-Butanone (MEK)	< 29500	29500	2
2-Hexanone	< 205	205	2
Acetone	< 23800	23800	2
Benzene	< 16.0	16.0	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 38.8	38.8	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 230	230	2
Chloroethane	< 132	132	2



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<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
Chloroform	< 8.30	8.30	2
Chloromethane	< 206	206	2
cis-1,2-Dichloroethene	< 198	198	2
cis-1,3-Dichloropropene	< 45.4	45.4	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 495	495	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 86.8	86.8	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 434	434	2
Methylene Chloride	< 417	417	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 434	434	2
Propylene	< 1720	1720	2
Styrene	< 4260	4260	2
Tetrachloroethene	604	31.9	2
Tetrahydrofuran	< 2950	2950	2
Toluene	< 37700	37700	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 45.4	45.4	2
Trichlorethene	< 10.7	10.7	2
Trichlorofluoromethane	< 5620	5620	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 12.8	12.8	2
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	02-20-16/14:50		
Analyst Initials	tjg		

TO-15 Quality Control Data

EnvisionAir Batch Number: 021716CAIR

<u>Method Blank (MB):</u>	<u>MB Results (ppbv)</u>	<u>Reporting Limit (ppbv)</u>	<u>Flags</u>
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	



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Analytical Report

<u>Method Blank (MB):</u>	<u>MB Results (ppbv)</u>	<u>Reporting Limit (ppbv)</u>	<u>Flags</u>
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	2-18-16/12:06		
Analyst Initials	tjg		

<u>LCS/LCSD</u>	<u>LCS Results (ppbv)</u>	<u>LCSD Results (ppbv)</u>	<u>LCS/D</u> <u>Conc(ppbv)</u>	<u>LCS</u> <u>Rec.</u>	<u>LCSD</u> <u>Rec.</u>	<u>RPD</u>	<u>Flag</u>
Propylene	9.91	9.66	10	99%	97%	2.6%	
Dichlorodifluoromethane	8.8	8.5	10	88%	85%	3.5%	
Chloromethane	10.4	10.5	10	104%	105%	1.0%	
Vinyl Chloride	10.8	10.7	10	108%	107%	0.9%	
1,3-Butadiene	9.57	9.43	10	96%	94%	1.5%	
Bromomethane	10.7	10.2	10	107%	102%	4.8%	
Chloroethane	10.6	10.6	10	106%	106%	0.0%	
Vinyl Bromide	11.1	10.8	10	111%	108%	2.7%	
Trichlorofluoromethane	11.6	11.4	10	116%	114%	1.7%	
Acetone	11.2	10.9	10	112%	109%	2.7%	
1,1-Dichloroethene	10.8	10.7	10	108%	107%	0.9%	
Methylene Chloride	9.57	9.5	10	96%	95%	0.7%	
Carbon Disulfide	10.4	10.3	10	104%	103%	1.0%	
trans-1,2-Dichloroethene	10.8	10.7	10	108%	107%	0.9%	
Methyl-tert-butyl ether	9.78	9.77	10	98%	98%	0.1%	
1,1-Dichloroethane	10.7	10.4	10	107%	104%	2.8%	
Vinyl Acetate	10.1	9.97	10	101%	100%	1.3%	
N-Hexane	10.1	9.8	10	101%	98%	3.0%	
2-Butanone (MEK)	10.5	10.1	10	105%	101%	3.9%	
cis-1,2-Dichloroethene	10.5	10.4	10	105%	104%	1.0%	
Ethyl Acetate	9.92	9.71	10	99%	97%	2.1%	
Chloroform	10.4	10.2	10	104%	102%	1.9%	
Tetrahydrofuran	10.1	10.2	10	101%	102%	1.0%	
1,2-Dichloroethane	10.2	10.2	10	102%	102%	0.0%	
1,1,1-Trichloroethane	10.4	10.4	10	104%	104%	0.0%	
Carbon Tetrachloride	10.3	10.4	10	103%	104%	1.0%	
Benzene	10	10.2	10	100%	102%	2.0%	
Cyclohexane	9.74	9.84	10	97%	98%	1.0%	
1,2-Dichloropropane	10.5	10.6	10	105%	106%	0.9%	
Trichlorethene	10.3	10.5	10	103%	105%	1.9%	
Bromodichloromethane	10.1	10.4	10	101%	104%	2.9%	
1,4-Dioxane	8.93	9.1	10	89%	91%	1.9%	
Isooctane	9.26	9.49	10	93%	95%	2.5%	
N-Heptane	10	10.2	10	100%	102%	2.0%	
cis-1,3-Dichloropropene	10.3	10.4	10	103%	104%	1.0%	
4-Methyl-2-pentanone (MIBK)	10	10.2	10	100%	102%	2.0%	
trans-1,3-Dichloropropene	10.3	10.3	10	103%	103%	0.0%	
1,1,2-Trichloroethane	10.3	10.5	10	103%	105%	1.9%	
Toluene	10	10.2	10	100%	102%	2.0%	
2-Hexanone	9.91	10.2	10	99%	102%	2.9%	
Dibromochloromethane	10.3	10.2	10	103%	102%	1.0%	
1,2-dibromoethane (EDB)	9.94	9.99	10	99%	100%	0.5%	
Tetrachloroethene	9.76	9.89	10	98%	99%	1.3%	
Chlorobenzene	10.2	10.3	10	102%	103%	1.0%	
Ethylbenzene	9.07	9.13	10	91%	91%	0.7%	
m,p-Xylene	17.4	17.3	20	87%	87%	0.6%	
Bromoform	9.92	9.87	10	99%	99%	0.5%	



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Analytical Report

<u>LCS/LCSD</u>	<u>LCS Results (ppbv)</u>	<u>LCSD Results (ppbv)</u>	<u>LCS/D Conc(ppbv)</u>	<u>LCS Rec.</u>	<u>LCSD Rec.</u>	<u>RPD</u>	<u>Flag</u>
Styrene	10.1	10.1	10	101%	101%	0.0%	
1,1,2,2-Tetrachloroethane	9.66	9.62	10	97%	96%	0.4%	
o-Xylene	10.3	10.3	10	103%	103%	0.0%	
4-Ethyltoluene	8.65	8.66	10	87%	87%	0.1%	
1,3,5-Trimethylbenzene	8.88	8.91	10	89%	89%	0.3%	
1,2,4-Trimethylbenzene	9.04	8.98	10	90%	90%	0.7%	
1,3-Dichlorobenzene	9.61	9.58	10	96%	96%	0.3%	
Benzyl Chloride	10.5	10.5	10	105%	105%	0.0%	
1,4-Dichlorobenzene	9.85	9.79	10	99%	98%	0.6%	
1,2-Dichlorobenzene	9.62	9.62	10	96%	96%	0.0%	
1,2,4-Trichlorobenzene	10.7	10.7	10	107%	107%	0.0%	
Hexachloro-1,3-butadiene	9.05	9.75	10	91%	98%	7.4%	
4-bromofluorobenzene (surrogate)	99%	100%					
Analysis Date/Time:	2-18-16/10:47	2-18-16/11:28					
Analyst Initials	tjg	tjg					



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www.envision-air.com

Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 022016AIR

<u>Method Blank (MB):</u>	<u>MB Results (ppbv)</u>	<u>Reporting Limit (ppbv)</u>	<u>Flags</u>
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

Analytical Report

<u>Method Blank (MB):</u>	<u>MB Results (ppbv)</u>	<u>Reporting Limit (ppbv)</u>	<u>Flags</u>
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	02-20-16/01:16		
Analyst Initials	tjg		

<u>LCS/LCSD</u>	<u>LCS Results (ppbv)</u>	<u>LCSD Results (ppbv)</u>	<u>LCS/D Conc(ppbv)</u>	<u>LCS Rec.</u>	<u>LCSD Rec.</u>	<u>RPD</u>	<u>Flag</u>
Propylene	10.3	8.87	10	103%	89%	14.9%	
Dichlorodifluoromethane	10.2	9.22	10	102%	92%	10.1%	
Chloromethane	11.7	10.6	10	117%	106%	9.9%	
Vinyl Chloride	10.4	9.45	10	104%	95%	9.6%	
1,3-Butadiene	9.79	9.24	10	98%	92%	5.8%	
Bromomethane	9.73	8.85	10	97%	89%	9.5%	
Chloroethane	11.7	11.1	10	117%	111%	5.3%	
Vinyl Bromide	10.5	9.99	10	105%	100%	5.0%	
Trichlorofluoromethane	9.95	9.3	10	100%	93%	6.8%	
Acetone	10.4	9.76	10	104%	98%	6.3%	
1,1-Dichloroethene	11.7	10.5	10	117%	105%	10.8%	
Methylene Chloride	9.07	8.62	10	91%	86%	5.1%	
Carbon Disulfide	9.43	9.11	10	94%	91%	3.5%	
trans-1,2-Dichloroethene	10.4	9.72	10	104%	97%	6.8%	
Methyl-tert-butyl ether	10.7	10.1	10	107%	101%	5.8%	
1,1-Dichloroethane	10.6	10.2	10	106%	102%	3.8%	
Vinyl Acetate	11	11.5	10	110%	115%	4.4%	
N-Hexane	11	10.7	10	110%	107%	2.8%	
2-Butanone (MEK)	11.3	10.9	10	113%	109%	3.6%	
cis-1,2-Dichloroethene	10.9	10.6	10	109%	106%	2.8%	
Ethyl Acetate	11.1	11.6	10	111%	116%	4.4%	
Chloroform	9.83	9.35	10	98%	94%	5.0%	
Tetrahydrofuran	10.5	10.9	10	105%	109%	3.7%	
1,2-Dichloroethane	9.35	9.42	10	94%	94%	0.7%	
1,1,1-Trichloroethane	9.48	9.7	10	95%	97%	2.3%	
Carbon Tetrachloride	9.6	9.94	10	96%	99%	3.5%	
Benzene	9.6	10.4	10	96%	104%	8.0%	
Cyclohexane	10.4	10.9	10	104%	109%	4.7%	
1,2-Dichloropropane	9.62	10.7	10	96%	107%	10.6%	
Trichlorethene	10.4	10.8	10	104%	108%	3.8%	
Bromodichloromethane	10.3	10.5	10	103%	105%	1.9%	
1,4-Dioxane	11.3	11.2	10	113%	112%	0.9%	
Isooctane	9.75	10.4	10	98%	104%	6.5%	
N-Heptane	9.92	10.7	10	99%	107%	7.6%	
cis-1,3-Dichloropropene	10	10.7	10	100%	107%	6.8%	
4-Methyl-2-pentanone (MIBK)	11.2	11.9	10	112%	119%	6.1%	
trans-1,3-Dichloropropene	11.4	11.9	10	114%	119%	4.3%	
1,1,2-Trichloroethane	9.66	10.4	10	97%	104%	7.4%	
Toluene	10.9	11.2	10	109%	112%	2.7%	
2-Hexanone	11.3	11.2	10	113%	112%	0.9%	
Dibromochloromethane	10.8	10.7	10	108%	107%	0.9%	
1,2-dibromoethane (EDB)	10.4	10.3	10	104%	103%	1.0%	
Tetrachloroethene	10.6	10.9	10	106%	109%	2.8%	
Chlorobenzene	9.6	9.37	10	96%	94%	2.4%	
Ethylbenzene	11.1	10.8	10	111%	108%	2.7%	
m,p-Xylene	21.4	21.2	20	107%	106%	0.9%	
Bromoform	10.8	10.4	10	108%	104%	3.8%	



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<u>LCS/LCSD</u>	<u>LCS Results (ppbv)</u>	<u>LCSD Results (ppbv)</u>	<u>LCS/D Conc(ppbv)</u>	<u>LCS Rec.</u>	<u>LCSD Rec.</u>	<u>RPD</u>	<u>Flag</u>
Styrene	11.5	10.5	10	115%	105%	9.1%	
1,1,2,2-Tetrachloroethane	9.34	9.02	10	93%	90%	3.5%	
o-Xylene	10.9	10.1	10	109%	101%	7.6%	
4-Ethyltoluene	10.4	11.8	10	104%	118%	12.6%	
1,3,5-Trimethylbenzene	11.1	10.9	10	111%	109%	1.8%	
1,2,4-Trimethylbenzene	12	11.6	10	120%	116%	3.4%	
1,3-Dichlorobenzene	10.4	9.96	10	104%	100%	4.3%	
Benzyl Chloride	11.4	10.8	10	114%	108%	5.4%	
1,4-Dichlorobenzene	10.6	10.5	10	106%	105%	0.9%	
1,2-Dichlorobenzene	11.4	11.2	10	114%	112%	1.8%	
1,2,4-Trichlorobenzene	11.2	10.6	10	112%	106%	5.5%	
Hexachloro-1,3-butadiene	11.5	10.6	10	115%	106%	8.1%	
4-bromofluorobenzene (surrogate)	96%	101%					
Analysis Date/Time:	02-19-16/23:33	02-20-16/00:09					
Analyst Initials	tjg	tjg					



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Flag Number

Comments

1	Reporting limit is supported by MDL. TJG
2	Reported value is from a 10x dilution. TJG 02-24-16

K11

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: <u>EnviroForensics</u>	P.O. Number: <u>2016099</u>
Report No: <u>W23390 Stem Ridge Dr</u>	Project Name or Number: <u>6349</u>
Address: <u>Wendisha WI 53188</u>	<u>Vogue Cleaners</u>
Report To: <u>P. Heersman / H. Heinstead</u>	Sampled by: <u>P. Vander Heiden</u>
Phone: <u>317-972-7870</u>	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address:	Reporting Units needed: (circle) <u>ug/m³</u> mg/m ³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days <u>Std (5 bus. days)</u>	Media type: 1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List



Sampling Type:
 Soil-Gas:
 Sub-Slab:
 Indoor-Air:

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Canister Pressure / Vacuum

Air Sample ID	Media Type <small>(see code above)</small>	Coll. Date <small>(Grab/Comp Start)</small>	Coll. Time <small>(Grab/Comp Start)</small>	Coll. Date <small>(Comp. End)</small>	Coll. Time <small>(Comp. End)</small>					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6349-2600-IA-1-1	6LL	2/13	1259	2/14	1236	x				91569	05714	-29	-6	-6	16-429
6349-2600-IA-2-1	6LL	2/13	1258	2/14	1237	x				91543	07617	-31	-3	-3	16-430
6349-2600-IA-3-B	6LL	2/13	1256	2/14	1233	x				14887	07540	-29	-4	-4	16-431
6349-2600-IA-4-B	6LL	2/13	1257	2/14	1234	x				10348	07443	-29	-3	-3	16-432
6349-2600-OA	6LL	2/13	1215	2/14	1226	x				1606	07712	-29	-4	-4	16-433
6349-2600-SSV-1	1LC	2/14	1312	2/14	1318	x				83942	NA	-29	-3	-3	16-434
6349-2600-SSV-2	1LC	2/14	1251	2/14	1255	x				83983	NA	-25	-3	-3	16-435

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	2/16/16	0900	<i>Stanley A. Munnico</i>	2/18/16	9:40