Hnat, John J - DNR

From: Rob Hoverman <RHoverman@enviroforensics.com>
Sent: Thursday, February 27, 2014 4:56 PM
To: William P. Scott (Bill_Scott@gshllp.com); sahodgson@terracon.com
Cc: William. Mulligan (wmulligan@dkattorneys.com); Michael K. Scott (mscott@dkattorneys.com); Brian Kappen; Hnat, John J - DNR
Subject: Aunt Peg's Site Investigation Activities
Attachments: 6107-118_Aunt Pegs Data Submiital_02272014.pdf

FID 241094590
Shorewood Quarry

Bill,

Per NR716.14(2) we are providing the site investigation data collected from the Aunt Peg's property. The attached letter summarizes the sample results, compares sample results to WDNR screening levels, provides figures showing sample locations, and includes laboratory analytical reports. This information will be used to update the Site Investigation Report. Groundwater has not been collected at this time. That data will be provided once it is obtained.

Please contact us if you have any questions.

Sincerely,

Rob Hoverman, LPG
Senior Project Manager

EnviroForensics | N16 W23390 Stone Ridge Drive, Suite G | Waukesha, WI 53188
P. 262.510.0612 | C. 317.946.5883 | F. 262.510.0460

Turning Environmental Liabilities Into Assets®

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February 27, 2014

Aunt Pegs Oakland Avenue LLC
C/o William P. Scott
Gonzalez Saggio & Harlan LLP
111 East Wisconsin Avenue
Suite 1000
Milwaukee, WI 53202

Subject: **Environmental Investigation Sampling Results**
BRRTS#: 02-41-552089

Dear Aunt Pegs Oakland Avenue LLC:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WNDR) regulation **NR 716.14 (2),** Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results from environmental samples collected from your property located at 4312-4334 North Oakland Ave on February 4th through 6th, 2014. The sampling activities are part of an environmental investigation being performed for the Shorewood Queensway Cleaners facility located at 4300 North Oakland Avenue in Shorewood, 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 tetrachloroethylene (PCE) and its associated breakdown products.

The Responsible Party is:

SHOREWOOD QUEENSWAY DRY CLEANERS
4300 North Oakland Avenue Shorewood, Wisconsin 53211
414-962-5150

SAMPLING RESULTS

Indoor Air Results

Laboratory results are separated into sampling locations. Detected compounds 1,2-dichloroethane, benzene, and xylenes are not associated with PCE or its associated degradation products.

Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Dr, Suite G, Waukesha, WI 53188
Phone: 414-982-3988 • Fax 317-972-7875

Sample results by location:

- 4332 N. Oakland Avenue: second floor within common hallway space.
  - No analytes exceeded laboratory detection limits

- 4330 N. Oakland Avenue: first floor inside commercial space and within the basement beneath the commercial space.
  - No analytes exceeded laboratory detection limits

- 4324 N. Oakland Avenue: second floor within apartments #204 and #203 as well as the common hallway space.
  - In apartment #204, PCE and xylenes were detected, but the detected levels were below residential vapor risk screening levels. Xylenes are not associated with PCE or its degradation products.
  - In apartment #203, 1,2-dichloroethane (1,2-DCA), which is a gas released plastic goods and is not associated with PCE, was detected at 4.17 ug/m^3 above the residential vapor risk screening level of 0.94 ug/m^3.
  - Within the hallway common space, no analytes exceeded laboratory detection limits.

- 4320 N. Oakland Avenue: first floor inside commercial space and within the basement beneath the commercial space.
  - Within the first floor, benzene and xylenes were detected, but the levels detected are below the residential vapor risk screening levels and not associated with PCE or its associated degradation products.
  - Within the basement sample, no analytes were detected by the laboratory.

- 4316 N. Oakland Avenue: first floor inside commercial space and within the basement beneath the commercial space.
  - On the first floor, PCE was detected, but below the residential vapor risk screening level.
  - In the basement PCE and 1,2-DCA were detected, but below the residential vapor risk screening levels. As previously mentioned, 1,2-DCA is not associated with PCE or its degradation products.

- 4314 N. Oakland Avenue: first floor inside commercial space and within the basement beneath the commercial space.
  - In both the first floor and the basement samples, PCE was detected, but below the residential vapor risk screening level.
- 4312 N. Oakland Avenue: first floor inside commercial space and within the

basement beneath the commercial space.

- In both the first floor and the basement samples, PCE and 1,2-DCA were detected below the residential vapor risk screening levels. As previously mentioned, 1,2-DCA is not associated with PCE or its degradation products.

Indoor air analytical results are presented in **Table 1**. Indoor air sampling locations can be identified visually in **Figure 1**. The laboratory report can be found in **Attachment 1**.

Sub-Slab Vapor Sample Results

Laboratory results are separated into sampling locations.

Sample results by location:

- 4322 N. Oakland Avenue Basement:
  - PCE and trichloroethene (TCE) were detected, but below non-residential screening levels.
- 4320 N. Oakland Avenue Basement:
  - PCE and TCE were detected, but below the non-residential screening level.
- 4316 N. Oakland Avenue Basement:
  - PCE was detected at 2,470 ug/m³, exceeding the non-residential screening level of 1,800 ug/m³.
  - TCE was detected below the non-residential vapor risk screening level.
- 4312 N. Oakland Avenue Basement
  - PCE was detected at 91,300 ug/m³, exceeding the non-residential vapor risk screening level of 1,800 ug/m³.
  - TCE was detected at 9,500 ug/m³, exceeding the non-residential vapor risk screening level of 88 ug/m³.
  - Cis-1,2-dichloroethene was detected below the non-residential vapor risk screening level.

The sample results are presented in the attached **Table 1** and the laboratory analytical report is provided in **Attachment 1**. Sample locations can be identified on **Figure 2**.

Sub-slab Depressurization System Results

A sample was collected from the exhaust of the sub-slab depressurization system installed on the Property. Analytical results can be found in **Table 1**. There are no screening levels to compare the results against, therefore no exceedances were found. PCE, TCE, and cis-1,2-DCE were detected above laboratory detection limits.

Soil Results

Six (6) soil samples were collected from three (3) hand auger borings from within the basement of the Aunt Pegs commercial spaces. It should be noted that Isopropylbenzene is not associated with PCE or its degradation products.

- 4312 N. Oakland Avenue Basement- Four (4) samples were collected from two (2) hand auger borings within the basement.
  - **HA-1-4312**
    - PCE was detected above the Industrial Residual Contaminant Level of 153,000 ug/kg at 307,000 ug/kg from one foot (ft) below ground surface (bgs) and 294,000 ug/kg
    - TCE was detected above the Non-Industrial Residual Contaminant Level of 644 ug/kg at 700 ug/kg from 1 ft bgs and 1,080 ug/kg from the 1.5 ft bgs sample.
    - Cis-1,2-DCE was detected above the Soil to Groundwater Residual Contaminant Level of 3.6 ug/kg at 277 ug/kg from 1 ft bgs, and 680 from 1.5 ft bgs.
    - Isopropylbenzene was detected above the Soil to Groundwater Residual Contaminant Level of 0.64 ug/kg at 27.2 ug/kg. As previously mentioned, Isopropylbenzene is not associated with PCE or its degradation products.
  - **HA-2-4312**
    - PCE was detected above the Soil to Groundwater Residual Contaminant Level of 4.5 ug/kg at 2,560 ug/kg from the 0.7 ft bgs sample.
  - **HA-1-4316**
    - The two samples collected at the 4316 basement did not have laboratory detections or screening level exceedances.

The soil analytical data is presented in **Table 2** and the laboratory analytical report can be found in **Attachment 1**. Sample locations are depicted on **Figure 2**.

If you have any questions or concerns, please contact me at 262-510-0612 or by email at rhoverman@enviroforensics.com. The WDNR project manager, J. Hnat, can be reached at 414-263-8644. We greatly appreciate your help and patience with this matter.

Sincerely,
Environmental Forensic Investigations, Inc.

Robert Hoverman, L.P.G.
Senior Project Manager

Brian Kappen, PG
Project Manager

Attachments

Copy: William Mulligan, Davis & Kuelthau (electronically)
Michael Scott, Davis &Kuelthau (electronically)
J. Hnat, Wisconsin Department of Natural Resources (electronically)
Scott Hodgson, Terracon (electronically)
Shirley Carlson, Shorewood Queensway Dry Cleaners

TABLE 1
SUMMARY OF OFF-SITE VAPOR INTRUSION SAMPLING ANALYTICAL RESULTS
Shorewood Queensway Cleaners
Shorewood, Wisconsin
EnviroForensics Project 6107

Sample Address	Sample Identification	Sample Location	Applicable Criteria	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Benzene	1,2-Dichloroethane	Xylenes
INDOOR/ OUTDOOR AIR										
Non-Residential Vapor Risk Screening Levels					180	8.8	NL	16	4.7	440
Residential Vapor Risk Screening Levels					42	2.1	NL	3.1	0.94	100
4332 North Oakland	6107-IA-4332-Hall-F-2	2nd Floor (common hallway)	Residential	2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
4330 North Oakland	6107-IA-4330-North-F-1	1st Floor (middle of vacant room)	Non-Residential	2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-IA-4330-B	Basment (centrally located)		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
4324 North Oakland	6107-IA-4320A	2nd Floor (apt #203)	Residential	10/26/2011	**16.5**	NA	NA	NA	NA	NA
	6107-IA-4324-#203-F-2			2/4/2014	<1.4	<1.07	<0.79	<0.64	**4.17**	<0.87
	6107-IA-4320B	2nd Floor (common hallway)		10/26/2011	<3.19	NA	NA	NA	NA	NA
	6107-IA-4324-Hall-F-2			2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-IA-4324-#204-F-2	2nd Floor (apt #204)		2/4/2014	**3.05**	<1.07	<0.79	<0.64	<0.40	**4.21**
4320 North Oakland	6107-IA-4320-F-1	East in Show Room Against Wall	Non-Residential	2/4/2014	<1.4	<1.07	<0.79	**1.37**	<0.40	**5.69**
	6107-IA-4320-B	Basment (west-central)		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
4316 North Oakland	6107-IA-4316-F-1	East in Unit (along northern wall)	Non-Residential	2/4/2014	**5.97**	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-IA-4316	East in Basement (along southern wall)		12/20/2012	**3.30**	NE	NE	<0.64	**1.7**	NE
				3/21/2013	**36.8**	NE	NE	<1.60	**1.09**	NE
	6107-IA-4316-B			2/4/2014	**4.82**	<1.07	<0.79	<0.64	**0.97**	<0.87
4314 North Oakland	6107-IA-4314-F-1	East in Unit (along southern wall)	Non-Residential	2/4/2014	**7.46**	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-IA-4314	West in Basement (centrally located)		3/21/201	**70.9**	NE	NE	<1.60	**0.97**	NE
	6107-IA-4314-B			2/4/2014	**9.97**	<1.07	<0.79	<0.64	<0.40	<0.87
4312 North Oakland	6107-IA-4312-F-1	East in Unit (centrally located)†	Non-Residential	2/4/2014	**27.5**	<1.07	<0.79	<0.64	**2.59**	<0.87
	6107-IA-4312	East in Basement (centrally located)		12/20/2012	**14**	NE	NE	**0.65**	<0.81	NE
				3/21/2013	**117**	NE	NE	<1.60	<0.40	NE
	6107-IA-4312-B			2/4/2014	**26.0**	<1.07	<0.79	<0.64	**2.02**	<0.87
Aunt Pegs Building	6107-BKG-4320	Outdoor (east of Building)	NA	10/26/2011	<3.19	NA	NA	NA	NA	NA
	6107-OA	Outdoor (east of Building)		12/20/2012	<1.4	NE	NE	<0.64	<0.81	NE
				3/21/2013	**6.10**	NE	NE	<1.60	<0.40	NE
	6107-OA-1	Outdoor (south of		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-OA-2	Outdoor (west of		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-OA-3	Outdoor (north of		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.40	<0.87
	6107-OA-4	Outdoor (east of		2/4/2014	<1.4	<1.07	<0.79	<0.64	<0.64	<0.87
SUB-SLAB VAPOR										
Non-Residential Vapor Risk Screening Levels					1,800	88	NL	160	47	4,400
4312 North Oakland	6107-SSV-PEG-1	East in Basement (centrally located)	Non-Residential	5/6/2011	**866,000**	**15,100**	**8,860**	<699*	<882	<1,890
	6107-SS-4312			2/5/2014	**91,300**	**9,500**	**47,200**	<6.40	<4.05	<17.4
4316 North Oakland	6107-SSV-PEG-2	East in Basement (centrally located)	Non-Residential	5/6/2011	**4,100**	**146**	**86.8**	<2.0	<2.6	**51.4**
	6107-SS-4316			2/6/2014	**2,470**	**44.6**	<7.90	<6.40	<4.05	<17.4
4320 North Oakland	6107-SSV-PEG-3	East in Basment (in hallway)	Non-Residential	5/6/2011	<376¥	<148	<218	<175*	<220	<473
	6107-SSV-PEG-3			10/26/2011	118	NA	NA	NA	NA	NA
	6107-SS-4320			2/6/2014	**1,150**	**23.6**	<7.90	<6.40	<4.05	<17.4
4322 North Oakland	6107-SS-4322	Middle of Basement (along southern wall)	Non-Residential	2/6/2014	**1,000**	**17.7**	<7.90	<6.40	<4.05	<17.4
SSDS VAPOR										
SSDS Collection Point	6107- SSDS	SSDS vapor collection point (side of stack)	NA	11/19/2012	**5,700**	**330**	**770**	NE	NE	NE
	6107-SSDS-2			12/20/2014	**680**	**39**	**79**	NE	NE	NE
	6107-Stack			2/5/2014	**52**	**304**	**262**	<6.4	NE	<17.4

Notes: p
micrograms per cubic
Analysis performed by Envision Laboratories according to EPA Method TO-15
IA = Indoor Air
(outdoor air)
SS = Sub-slab
Depressurization System
NA = Not Applicable
level established g
levels derived using the
detection limits
Bolded and blue shaded concentrations exceed the applicable residential screening or action level
Bolded and orange shaded concentrations exceed the applicable non-residential screening or action level
†= Sample was moved to basement location approximately one hour before collection
¥ = Analyte was evaluated to one half of the reporting limit (188 ug/m3) with no detections
* = Indicates elevated reporting limit due to sample dilution at laboratory
NE = No Exceedance of Labopratory Detection Limits
NS = Not Sampled- EnviroForensics not granted access

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
AUNT PEGS OAKLAND AVE. LLC
Shorewood Queensway Dry Cleaners
Shorewood, Wisconsin

Boring Identification	Sample Depth	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Isopropylbenzene
Industrial Residual Contaminant Level [1]			**153,000**	**8,810**	**2,040,000**	**11,000**
Non-Industrial Residual Contaminant Level [1]			**30,700**	**644**	**156,000**	**2,100**
Soil to Groundwater Residual Contaminant Level [1]			**4.5**	**3.6**	**41.2**	**0.64**
6107-HA-1-4312-(1')	**1**	2/5/2014	**307,000**	**700**	**277**	**27.2 J**
6107-HA-1-4312-(1.5')	**1.5**	2/5/2014	**294,000**	**1,080**	**680**	<25
6107-HA-2-4312-(0.7')	**0.7**	2/5/2014	**2,560**	<28	<24	<25
6107-HA-2-4312-(5')	**5**	2/5/2014	<49	<28	<24	<25
6107-HA-1-4316-(2')	**2**	2/6/2014	<49	<28	<24	<25
6107-HA-1-4316-(6.5')	**6.5**	2/6/2014	<49	<28	<24	<25

Notes:

[1] Residual Contaminant Levels calculated according to the procedures described in WDNR Publication RR-890

All concentrations reported in units of micrograms per kilogram (ug/kg)

Samples analyzed using EPA SW-846 Method 8260

Bolded values are above Laboratory Detection Limits

Bolded and orange shaded values are above the Industrial Residual Contaminant Level

Bolded and blue shaded values are above the Non-Industrial Contaminant Level

Bolded and green shaded values are above the Soil to Groundwater Residual Contaminant Level

J=Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NE = Not Established

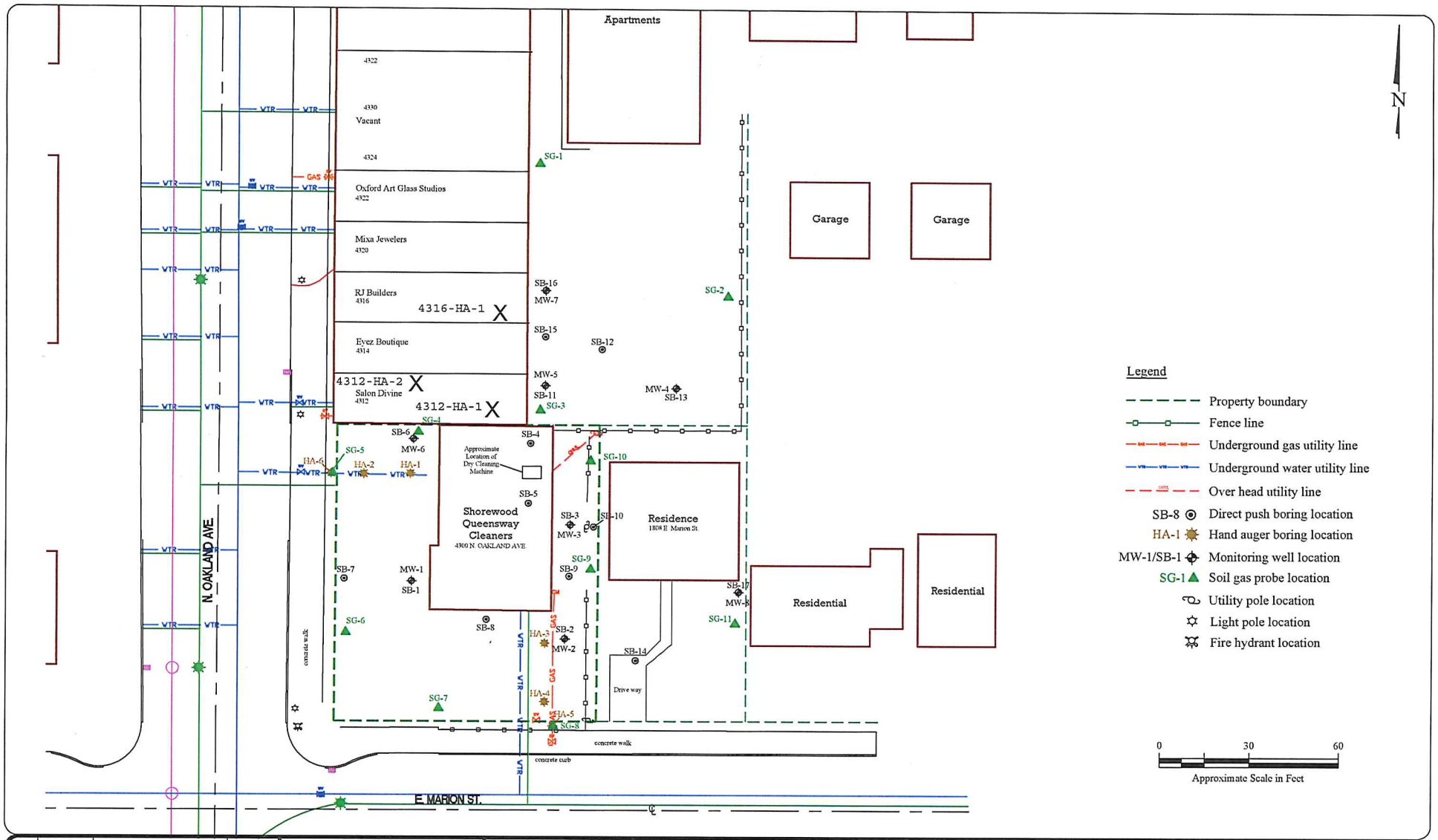
ND = Non detect

FIGURE 1
Aunt Peg's Building Cross Section

Looking east from street level

4332 6107-IA-4332-HALL-F2			4324 6107-IA-4324-203-F2 6107-IA-4324-204-F2 6107-IA-4324-HALL-F2				Second floor
4334	4330 6107-IA-4330-North-F1		4322	4320 6107-IA-4320-F1	4316 6107-IA-4316-F1	4314 6107-IA-4314-F1	4312 6107-IA-4312-F1	Ground floor
	6107-IA-4330-B	6107-IA-4320-B 6107-SS-4330		6107-SS-4320	6107-IA-4316-B 6107-SS-4316	6107-IA-4314-B	6107-IA-4312-B 6107-SS-4312	Basement Level

IA = Indoor air sample
SS = Sub-slab sample



No.	Date	Revision	Approved

ENVIRO forensics
ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
602 N Capitol Ave, Suite 210 • Indianapolis, IN 46204
EnviroForensics.com

Date:	3/21/13
Designed:	SP
Drawn:	MMM
Checked:	GZ
DWG file:	19359-09

SOIL BORING, SOIL GAS BORING AND MONITORING WELL LOCATION MAP

Further Site Investigation Report
Shorewood Queensway Cleaners
4300 N. Oakland Avenue; Shorewood, WI

Figure
2
Project
6107

K:\Drawings\6107 Shorewood Queensway\Drawing\19359-09.dwg

EnvisionAir
1437 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

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

February 21, 2014

ENVision Project Number: 2014-36
Client Project Name: 6107 – Shorewood Queensway

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received February 10, 2014. 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,

David Norris

Client Services Manager
EnvisionAir

EnvisionAir
1437 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
14-214	6107-STACK	A	2/5/14	8:10	2/5/14	8:35	2/10/14	10:00	-29	-3	-3
14-215	6107-SS-4312	A	2/5/14	9:03	2/5/14	9:13	2/10/14	10:00	-29	-9	-9
14-216	6107-SS-4316	A	2/6/14	8:35	2/6/14	8:39	2/10/14	10:00	-30	-6	-6
14-217	6107-SS-4322	A	2/6/14	14:10	2/6/14	14:15	2/10/14	10:00	-29	-5	-5
14-218	6107-SS-4320	A	2/6/14	14:41	2/6/14	14:46	2/10/14	10:00	-29	-5	-5

breathe easy
ENVISIONAIR
quality air analysis

EnvisionAir
1437 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Analytical Method: TO-15
Analytical Batch: 021614CAIR

Client Sample ID: 6107-STACK
Envision Sample Number: 14-214
Sample Matrix: AIR

Sample Collection START Date/Time: 2/5/14 8:10
Sample Collection END Date/Time: 2/5/14 8:35
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 11.0	11.0	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	< 8.10	8.10	2
1,1-Dichloroethene	< 7.90	7.90	2
1,1-Dichloropropene	< 454	454	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 9.80	9.80	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 12.0	12.0	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 9.80	9.80	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 12.0	12.0	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	< 6.40	6.40	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 7.80	7.80	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 9.20	9.20	2
Chloroethane	< 5.30	5.30	2

EnvisionAir
1437 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	2
Chloromethane	< 10.0	10.0	2
cis-1,2-Dichloroethene	**262**	198	2
cis-1,3-Dichloropropene	< 9.10	9.10	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 9.90	9.90	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 8.70	8.70	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 8.70	8.70	2
Methylene Chloride	< 17.0	17.0	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 8.70	8.70	2
Propylene	< 1720	1720	2
Styrene	< 8.50	8.50	2
Tetrachloroethene	**52.2**	31.9	2
Tetrahydrofuran	< 2950	2950	2
Toluene	< 7.50	7.50	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 9.10	9.10	2
Trichlorethene	**304**	10.7	2
Trichlorofluoromethane	< 11.0	11.0	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 5.10	5.10	2
4-bromofluorobenzene (surrogate)	110%		
Analysis Date/Time:	2-17-14/12:06		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Analytical Method: TO-15
Analytical Batch: 021614CAIR

Client Sample ID: 6107-SS-4312
Envision Sample Number: 14-215
Sample Matrix: AIR

Sample Collection START Date/Time: 2/5/14 9:03
Sample Collection END Date/Time: 2/5/14 9:13
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 11.0	11.0	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	< 8.10	8.10	2
1,1-Dichloroethene	< 7.90	7.90	2
1,1-Dichloropropene	< 454	454	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 9.80	9.80	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 12.0	12.0	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 9.80	9.80	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 12.0	12.0	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	< 6.40	6.40	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 7.80	7.80	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 9.20	9.20	2
Chloroethane	< 5.30	5.30	2

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	2
Chloromethane	< 10.0	10.0	2
cis-1,2-Dichloroethene	**47,200**	15900	4
cis-1,3-Dichloropropene	< 9.10	9.10	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 9.90	9.90	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 8.70	8.70	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 8.70	8.70	2
Methylene Chloride	< 17.0	17.0	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 8.70	8.70	2
Propylene	< 1720	1720	2
Styrene	< 8.50	8.50	2
Tetrachloroethene	**91,300**	2550	4
Tetrahydrofuran	< 2950	2950	2
Toluene	< 7.50	7.50	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 9.10	9.10	2
Trichlorethene	**9,500**	860	4
Trichlorofluoromethane	< 11.0	11.0	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	**78.0**	12.8	2
4-bromofluorobenzene (surrogate)	121%		
Analysis Date/Time:	2-17-14/12:40		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Analytical Method: TO-15
Analytical Batch: 021614CAIR

Client Sample ID: 6107-SS-4316

Envision Sample Number: 14-216
Sample Matrix: AIR

Sample Collection START Date/Time: 2/6/14 8:35
Sample Collection END Date/Time: 2/6/14 8:39
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 11.0	11.0	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	< 8.10	8.10	2
1,1-Dichloroethene	< 7.90	7.90	2
1,1-Dichloropropene	< 454	454	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 9.80	9.80	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 12.0	12.0	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 9.80	9.80	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 12.0	12.0	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	< 6.40	6.40	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 7.80	7.80	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 9.20	9.20	2
Chloroethane	< 5.30	5.30	2

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	2
Chloromethane	< 10.0	10.0	2
cis-1,2-Dichloroethene	< 7.90	7.90	2
cis-1,3-Dichloropropene	< 9.10	9.10	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 9.90	9.90	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 8.70	8.70	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 8.70	8.70	2
Methylene Chloride	< 17.0	17.0	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 8.70	8.70	2
Propylene	< 1720	1720	2
Styrene	< 8.50	8.50	2
Tetrachloroethene	**2,470**	63.8	3
Tetrahydrofuran	< 2950	2950	2
Toluene	< 7.50	7.50	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 9.10	9.10	2
Trichlorethene	**44.6**	10.7	2
Trichlorofluoromethane	< 11.0	11.0	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 5.10	5.10	2
4-bromofluorobenzene (surrogate)	115%		
Analysis Date/Time:	2-17-14/13:15		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Analytical Method: TO-15
Analytical Batch: 021614CAIR

Client Sample ID: 6107-SS-4322
Envision Sample Number: 14-217
Sample Matrix: AIR

Sample Collection START Date/Time: 2/6/14 14:10
Sample Collection END Date/Time: 2/6/14 14:15
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 11.0	11.0	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	< 8.10	8.10	2
1,1-Dichloroethene	< 7.90	7.90	2
1,1-Dichloropropene	< 454	454	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 9.80	9.80	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 12.0	12.0	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 9.80	9.80	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 12.0	12.0	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	< 6.40	6.40	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 7.80	7.80	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 9.20	9.20	2
Chloroethane	< 5.30	5.30	2

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	2
Chloromethane	< 10.0	10.0	2
cis-1,2-Dichloroethene	< 7.90	7.90	2
cis-1,3-Dichloropropene	< 9.10	9.10	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 9.90	9.90	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 8.70	8.70	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 8.70	8.70	2
Methylene Chloride	< 17.0	17.0	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 8.70	8.70	2
Propylene	< 1720	1720	2
Styrene	< 8.50	8.50	2
Tetrachloroethene	**1,000**	31.9	2
Tetrahydrofuran	< 2950	2950	2
Toluene	< 7.50	7.50	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 9.10	9.10	2
Trichlorethene	**17.7**	10.7	2
Trichlorofluoromethane	< 11.0	11.0	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 5.10	5.10	2
4-bromofluorobenzene (surrogate)	115%		
Analysis Date/Time:	2-17-14/13:51		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-36

Analytical Method: TO-15
Analytical Batch: 021614CAIR

Client Sample ID: 6107-SS-4320
Envision Sample Number: 14-218
Sample Matrix: AIR

Sample Collection START Date/Time: 2/6/14 14:41
Sample Collection END Date/Time: 2/6/14 14:46
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	2
4-Methyl-2-pentanone (MIBK)	< 20500	20500	2
1,1,1-Trichloroethane	< 11.0	11.0	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	< 8.10	8.10	2
1,1-Dichloroethene	< 7.90	7.90	2
1,1-Dichloropropene	< 454	454	2
1,2,4-Trichlorobenzene	< 7.42	7.42	2
1,2,4-Trimethylbenzene	< 9.80	9.80	2
1,2-dibromoethane (EDB)	< 0.32	0.32	1,2
1,2-Dichlorobenzene	< 12.0	12.0	2
1,2-Dichloroethane	< 4.05	4.05	2
1,2-Dichloropropane	< 4.62	4.62	2
1,3,5-Trimethylbenzene	< 9.80	9.80	2
1,3-Butadiene	< 2.21	2.21	2
1,3-Dichlorobenzene	< 12.0	12.0	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	< 6.40	6.40	2
Benzyl Chloride	< 4.14	4.14	1,2
Bromodichloromethane	< 5.36	5.36	1,2
Bromoform	< 103	103	2
Bromomethane	< 7.80	7.80	2
Carbon Disulfide	< 3110	3110	2
Carbon Tetrachloride	< 6.29	6.29	2
Chlorobenzene	< 9.20	9.20	2
Chloroethane	< 5.30	5.30	2

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	2
Chloromethane	< 10.0	10.0	2
cis-1,2-Dichloroethene	< 7.90	7.90	2
cis-1,3-Dichloropropene	< 9.10	9.10	2
Cyclohexane	< 55100	55100	2
Dibromochloromethane	< 8.52	8.52	2
Dichlorodifluoromethane	< 9.90	9.90	2
Ethyl Acetate	< 18000	18000	2
Ethylbenzene	< 8.70	8.70	2
Hexachloro-1,3-butadiene	< 10.7	10.7	2
Isooctane	< 4670	4670	2
m,p-Xylene	< 8.70	8.70	2
Methylene Chloride	< 17.0	17.0	2
Methyl-tert-butyl ether	< 361	361	2
N-Heptane	< 4100	4100	2
N-Hexane	< 1760	1760	2
o-Xylene	< 8.70	8.70	2
Propylene	< 1720	1720	2
Styrene	< 8.50	8.50	2
Tetrachloroethene	**1,150**	31.9	2
Tetrahydrofuran	< 2950	2950	2
Toluene	< 7.50	7.50	2
trans-1,2-Dichloroethene	< 396	396	2
trans-1,3-Dichloropropene	< 9.10	9.10	2
Trichlorethene	**23.6**	10.7	2
Trichlorofluoromethane	< 11.0	11.0	2
Vinyl Acetate	< 1760	1760	2
Vinyl Bromide	< 4.37	4.37	2
Vinyl Chloride	< 5.10	5.10	2
4-bromofluorobenzene (surrogate)	117%		
Analysis Date/Time:	2-17-14/14:33		
Analyst Initials	tjg		

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Analytical Report

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TO-15 Quality Control Data

EnvisionAir Batch Number: 021614CAIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Analytical Report

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	108%		
Analysis Date/Time:	2-17-14/06:19		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	9.89	10.9	10	99%	109%	9.7%	
Dichlorodifluoromethane	10.3	10.8	10	103%	108%	4.7%	
Chloromethane	9.17	9.13	10	92%	91%	0.4%	
Vinyl Chloride	9.06	9.41	10	91%	94%	3.8%	
1,3-Butadiene	8.47	8.83	10	85%	88%	4.2%	
Bromomethane	8.97	9.24	10	90%	92%	3.0%	
Chloroethane	9.25	9.74	10	93%	97%	5.2%	
Vinyl Bromide	9.65	9.7	10	97%	97%	0.5%	
Trichlorofluoromethane	9.42	10	10	94%	100%	6.0%	
Acetone	9.42	9.6	10	94%	96%	1.9%	
1,1-Dichloroethene	9.97	10.6	10	100%	106%	6.1%	
Methylene Chloride	9.19	9.37	10	92%	94%	1.9%	
Carbon Disulfide	9.18	10	10	92%	100%	8.6%	
trans-1,2-Dichloroethene	10.7	11.8	10	107%	118%	9.8%	
Methyl-tert-butyl ether	10.8	11.6	10	108%	116%	7.1%	
1,1-Dichloroethane	10.4	11.1	10	104%	111%	6.5%	
Vinyl Acetate	10.4	11	10	104%	110%	5.6%	
N-Hexane	9.52	10.2	10	95%	102%	6.9%	
2-Butanone (MEK)	11.2	11.3	10	112%	113%	0.9%	
cis-1,2-Dichloroethene	11.7	11.4	10	117%	114%	2.6%	
Ethyl Acetate	11.3	10.1	10	113%	101%	11.2%	
Chloroform	10.5	9.73	10	105%	97%	7.6%	
Tetrahydrofuran	11.9	11.5	10	119%	115%	3.4%	
1,2-Dichloroethane	10.3	10.3	10	103%	103%	0.0%	
1,1,1-Trichloroethane	10.2	9.95	10	102%	100%	2.5%	
1,1-Dichloropropene	11.4	10.9	10	114%	109%	4.5%	
Carbon Tetrachloride	10.3	9.75	10	103%	98%	5.5%	
Benzene	9.54	9.07	10	95%	91%	5.1%	
Cyclohexane	10.4	9.69	10	104%	97%	7.1%	
1,2-Dichloropropane	10.5	9.64	10	105%	96%	8.5%	
Trichlorethene	10.7	10.4	10	107%	104%	2.8%	
Bromodichloromethane	10.3	10	10	103%	100%	3.0%	
1,4-Dioxane	10.3	9.82	10	103%	98%	4.8%	
Isooctane	9.33	9.55	10	93%	96%	2.3%	
N-Heptane	10.2	9.87	10	102%	99%	3.3%	
cis-1,3-Dichloropropene	11.2	10.7	10	112%	107%	4.6%	
4-Methyl-2-pentanone (MIBK)	11.1	11	10	111%	110%	0.9%	
trans-1,3-Dichloropropene	11.4	11	10	114%	110%	3.6%	
1,1,2-Trichloroethane	10.6	9.8	10	106%	98%	7.8%	
Toluene	9.58	9.61	10	96%	96%	0.3%	
2-Hexanone	11.1	10.8	10	111%	108%	2.7%	
Dibromochloromethane	10.4	10.6	10	104%	106%	1.9%	
1,2-dibromoethane (EDB)	10.1	10.2	10	101%	102%	1.0%	
Tetrachloroethene	9.32	9.27	10	93%	93%	0.5%	
Chlorobenzene	9.25	9.32	10	93%	93%	0.8%	
Ethylbenzene	9.88	10.1	10	99%	101%	2.2%	
m,p-Xylene	18.1	20.9	20	91%	105%	14.4%	
Bromoform	8.72	9.34	10	87%	93%	6.9%	

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LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	9.37	9.25	10	94%	93%	1.3%	
1,1,2,2-Tetrachloroethane	8.1	8.14	10	81%	81%	0.5%	
o-Xylene	9.2	9.44	10	92%	94%	2.6%	
4-Ethyltoluene	9.63	9.54	10	96%	95%	0.9%	
1,3,5-Trimethylbenzene	9.03	8.85	10	90%	89%	2.0%	
1,2,4-Trimethylbenzene	9.08	8.77	10	91%	88%	3.5%	
1,3-Dichlorobenzene	8.32	8.34	10	83%	83%	0.2%	
Benzyl Chloride	10.9	11.1	10	109%	111%	1.8%	
1,4-Dichlorobenzene	8.4	8.15	10	84%	82%	3.0%	
1,2-Dichlorobenzene	8.84	8.45	10	88%	85%	4.5%	
1,2,4-Trichlorobenzene	10.4	10.7	10	104%	107%	2.8%	
Hexachloro-1,3-butadiene	8.45	8.48	10	85%	85%	0.4%	
4-bromofluorobenzene (surrogate)	89%	97%					
Analysis Date/Time:	2-17-14/03:01	2-17-14/05:45					
Analyst Initials	tjg	tjg					

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TO-15 Quality Control Data - CSI Report

Canister Number: 83840

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	89%		
Analysis Date/Time:	01-20-14/16:03		
Analyst Initials	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 2-19-14
3	Reported value is from a 20x dilution. TJG 2-19-14
4	Reported value is from a 800x dilution. TJG 2-19-14

EnvisionAir Proj#: 2014-36 Page 1 of 1

CHAIN OF CUSTODY RECORD

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Client: EnviroForensics	P.O. Number:
Report/Mail Address: Waukesha WI 53188	Project Name or Number: 6107
Report To: R. Haverman	Sampled by: M. Hemstead
Phone: 317-972-7870	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address:	Reporting Units needed: (circle) ug/m³ mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister, 6LC = 6 Liter Canister, TB = Tedlar Bag, TD = Thermal Desorption Tube

REQUESTED PARAMETERS

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

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Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	TO-15 Full List	TO-15 Short List			Canister Serial #	Flow Controller Serial #	Canister Pressure / Vacuum: Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6107 - Stack	1LC	2/5/14	810	2/5/14	835	x				83840	-	-29	-3	-3	14-214
6107-SS-4312	1LC	2/5/14	903	2/5/14	913	x				83759		-29	-9	-9	14-215
6107-SS-4316	1LC	2/6/14	835	2/6/14	839	x				83723		-30	-6	-6	14-216
6107 - SS-4322	1LC	2/6/14	1410	2/6/14	1415	x				83729		-29	-5	-5	14-217
6107 - SS-4320	1LC	2/6/14	1441	2/6/14	1446	x				83815		-29	-5	-5	14-218

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2/7/14		[signature]	2/10/14	10:00

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

February 21, 2014

ENVision Project Number: 2014-35
Client Project Name: 6107 – Shorewood Queensway

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received February 10, 2014. 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,

David Norris

Client Services Manager
EnvisionAir

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
14-196	6107-OA-1	A	2/3/14	9:08	2/4/14	9:08	2/10/14	10:00	-30	-6.5	-6.5
14-197	6107-OA-2	A	2/3/14	9:25	2/4/14	9:25	2/10/14	10:00	-29	-2	-2
14-198	6107-OA-3	A	2/3/14	9:40	2/4/14	9:39	2/10/14	10:00	-28.5	-0.75	-0.75
14-199	6107-OA-4	A	2/3/14	9:54	2/4/14	9:54	2/10/14	10:00	-29	-11	-11
14-200	6107-IA-4332-HALL-F2	A	2/3/14	10:15	2/4/14	10:15	2/10/14	10:00	-29	-3	-3
14-201	6107-IA-4324-#204-F2	A	2/3/14	10:30	2/4/14	10:30	2/10/14	10:00	-28	-11	-11
14-202	6107-IA-4324-#203-F2	A	2/3/14	10:38	2/4/14	10:29	2/10/14	10:00	-30	-1.5	-1.5
14-203	6107-IA-4324-HALL-F2	A	2/3/14	10:45	2/4/14	10:42	2/10/14	10:00	-28.5	-11.5	-11.5
14-204	6107-IA-4330-NORTH-F1	A	2/3/14	11:05	2/4/14	11:05	2/10/14	10:00	-28.5	-5	-5
14-205	6107-IA-4316-F1	A	2/3/14	11:12	2/4/14	11:16	2/10/14	10:00	-29.5	-5.5	-5.5
14-206	6107-IA-4316-B	A	2/3/14	11:18	2/4/14	11:18	2/10/14	10:00	-29	-5	-5
14-207	6107-IA-4312-F1	A	2/3/14	11:31	2/4/14	11:38	2/10/14	10:00	-30	-15	-15
14-208	6107-IA-4312-B	A	2/3/14	11:40	2/4/14	11:38	2/10/14	10:00	-29	-3	-3
14-209	6107-IA-4314-B	A	2/3/14	11:54	2/4/14	11:54	2/10/14	10:00	-29	-5.5	-5.5
14-210	6107-IA-4314-F1	A	2/3/14	11:58	2/4/14	11:58	2/10/14	10:00	-30	-5	-5
14-211	6107-IA-4330-B	A	2/3/14	12:08	2/4/14	12:08	2/10/14	10:00	-29.5	-10	-10
14-212	6107-IA-4320-F1	A	2/3/14	12:23	2/4/14	12:23	2/10/14	10:00	-29.5	-5	-5
14-213	6107-IA-4320-B	A	2/3/14	12:30	2/4/14	12:38	2/10/14	10:00	-29	-3	-3

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-OA-1
Sample Collection START Date/Time: 2/3/14 9:08
Sample Collection END Date/Time: 2/4/14 9:08
Envision Sample Number: 14-196
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	2-16-14/17:28		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-OA-2
Sample Collection START Date/Time: 2/3/14 9:25
Sample Collection END Date/Time: 2/4/14 9:25
Envision Sample Number: 14-197
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	112%		
Analysis Date/Time:	2-16-14/18:06		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-OA-3
Sample Collection START Date/Time: 2/3/14 9:40
Sample Collection END Date/Time: 2/4/14 9:40
Envision Sample Number: 14-198
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	111%		
Analysis Date/Time:	2-16-14/18:44		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-OA-4
Sample Collection START Date/Time: 2/3/14 9:54
Sample Collection END Date/Time: 2/4/14 9:54
Envision Sample Number: 14-199
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	101%		
Analysis Date/Time:	2-16-14/19:22		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1(

Client Sample ID: 6107-IA-4332-HALL-F2 **Sample Collection START Date/Time:** 2/3/14 10:15
Sample Collection END Date/Time: 2/4/14 10:15
Envision Sample Number: 14-200 **Sample Received Date/Time:** 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	2-16-14/19:59		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4324-#204-F2
Envision Sample Number: 14-201
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 10:30
Sample Collection END Date/Time: 2/4/14 10:30
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	**4.21**	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**3.05**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	2-16-14/20:37		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4324-#203-F2
Envision Sample Number: 14-202
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 10:38
Sample Collection END Date/Time: 2/4/14 10:29
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	**4.17**	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	2-16-14/21:15		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4324-HALL-F2
Envision Sample Number: 14-203
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 10:45
Sample Collection END Date/Time: 2/4/14 10:42
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	2-16-14/21:53		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4330-NORTH-F1 **Sample Collection START Date/Time:** 2/3/14 11:05
Sample Collection END Date/Time: 2/4/14 11:05
Envision Sample Number: 14-204 **Sample Received Date/Time:** 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	2-16-14/23:10		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4316-F1
Sample Collection START Date/Time: 2/3/14 11:12
Sample Collection END Date/Time: 2/4/14 11:16
Envision Sample Number: 14-205
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**5.97**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	2-16-14/23:48		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4316-B
Envision Sample Number: 14-206
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 11:18
Sample Collection END Date/Time: 2/4/14 11:18
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	**0.97**	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**4.82**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	2-17-14/00:26		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4312-F1
Envision Sample Number: 14-207
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 11:31
Sample Collection END Date/Time: 2/4/14 11:38
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	**2.59**	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**27.5**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	2-17-14/01:06		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4312-B
Sample Collection START Date/Time: 2/3/14 11:40
Sample Collection END Date/Time: 2/4/14 11:38
Envision Sample Number: 14-208
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	**2.02**	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**26.0**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	108%		
Analysis Date/Time:	2-17-14/01:44		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(1)

Client Sample ID: 6107-IA-4314-B
Sample Collection START Date/Time: 2/3/14 11:54
Sample Collection END Date/Time: 2/4/14 11:54
Envision Sample Number: 14-209
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**9.97**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	2-17-14/02:23		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(2)

Client Sample ID: 6107-IA-4314-F1
Sample Collection START Date/Time: 2/3/14 11:58
Sample Collection END Date/Time: 2/4/14 11:58
Envision Sample Number: 14-210
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	**7.46**	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	2-17-14/08:15		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(2)

Client Sample ID: 6107-IA-4330-B
Envision Sample Number: 14-211
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 12:08
Sample Collection END Date/Time: 2/4/14 12:08
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	2-17-14/08:54		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(2)

Client Sample ID: 6107-IA-4320-F1
Sample Collection START Date/Time: 2/3/14 12:23
Sample Collection END Date/Time: 2/4/14 12:23
Envision Sample Number: 14-212
Sample Received Date/Time: 2/10/14 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	**1.37**	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	**5.69**	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	111%		
Analysis Date/Time:	2-17-14/09:32		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6107 - SHOREWOOD QUEENSWAY

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2014-35

Analytical Method: TO-15
Analytical Batch: 021614CAIR(2)

Client Sample ID: 6107-IA-4320-B
Envision Sample Number: 14-213
Sample Matrix: AIR

Sample Collection START Date/Time: 2/3/14 12:30
Sample Collection END Date/Time: 2/4/14 12:38
Sample Received Date/Time: 2/10/14 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 1.1	1.1	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 0.81	0.81	
1,1-Dichloroethene	< 0.79	0.79	
1,1-Dichloropropene	< 45.4	45.4	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 0.98	0.98	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 1.2	1.2	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 0.98	0.98	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 1.2	1.2	
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	< 0.64	0.64	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 0.78	0.78	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 0.92	0.92	
Chloroethane	< 0.53	0.53	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 1.0	1.0	
cis-1,2-Dichloroethene	< 0.79	0.79	
cis-1,3-Dichloropropene	< 0.91	0.91	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 0.99	0.99	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 0.87	0.87	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 0.87	0.87	
Methylene Chloride	< 1.7	1.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 0.87	0.87	
Propylene	< 172	172	
Styrene	< 0.85	0.85	
Tetrachloroethene	< 1.4	1.4	
Tetrahydrofuran	< 295	295	
Toluene	< 0.75	0.75	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 0.91	0.91	
Trichlorethene	< 1.07	1.07	
Trichlorofluoromethane	< 1.1	1.1	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 0.51	0.51	
4-bromofluorobenzene (surrogate)	109%		
Analysis Date/Time:	2-17-14/10:11		
Analyst Initials	tjg		

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TO-15 Quality Control Data

EnvisionAir Batch Number: 021614CAIR(1)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	98%		
Analysis Date/Time:	2-16-14/16:13		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	9.12	9.13	10	91%	91%	0.1%	
Dichlorodifluoromethane	10.2	9.84	10	102%	98%	3.6%	
Chloromethane	9.21	8.97	10	92%	90%	2.6%	
Vinyl Chloride	9.7	9.88	10	97%	99%	1.8%	
1,3-Butadiene	8.42	8.57	10	84%	86%	1.8%	
Bromomethane	9.23	9.41	10	92%	94%	1.9%	
Chloroethane	9.54	9.63	10	95%	96%	0.9%	
Vinyl Bromide	10.3	10.3	10	103%	103%	0.0%	
Trichlorofluoromethane	9.61	9.81	10	96%	98%	2.1%	
Acetone	9.63	9.64	10	96%	96%	0.1%	
1,1-Dichloroethene	10.3	10.3	10	103%	103%	0.0%	
Methylene Chloride	8.32	8.35	10	83%	84%	0.4%	
Carbon Disulfide	9.73	9.76	10	97%	98%	0.3%	
trans-1,2-Dichloroethene	11.1	11	10	111%	110%	0.9%	
Methyl-tert-butyl ether	10.7	10.5	10	107%	105%	1.9%	
1,1-Dichloroethane	10.4	10.3	10	104%	103%	1.0%	
Vinyl Acetate	9.79	9.95	10	98%	100%	1.6%	
N-Hexane	8.99	9.35	10	90%	94%	3.9%	
2-Butanone (MEK)	10.4	10.5	10	104%	105%	1.0%	
cis-1,2-Dichloroethene	11	11.1	10	110%	111%	0.9%	
Ethyl Acetate	10.5	10.7	10	105%	107%	1.9%	
Chloroform	9.78	10.1	10	98%	101%	3.2%	
Tetrahydrofuran	11.5	11.6	10	115%	116%	0.9%	
1,2-Dichloroethane	9.87	9.91	10	99%	99%	0.4%	
1,1,1-Trichloroethane	10.1	10.3	10	101%	103%	2.0%	
1,1-Dichloropropene	11.1	11.4	10	111%	114%	2.7%	
Carbon Tetrachloride	10.1	10.1	10	101%	101%	0.0%	
Benzene	9.66	9.48	10	97%	95%	1.9%	
Cyclohexane	10.1	10.5	10	101%	105%	3.9%	
1,2-Dichloropropane	10.5	10.4	10	105%	104%	1.0%	
Trichlorethene	10.3	10.5	10	103%	105%	1.9%	
Bromodichloromethane	10	10.4	10	100%	104%	3.9%	
1,4-Dioxane	10.6	10.7	10	106%	107%	0.9%	
Isooctane	9.2	9.35	10	92%	94%	1.6%	
N-Heptane	9.53	9.64	10	95%	96%	1.1%	
cis-1,3-Dichloropropene	10.9	11.2	10	109%	112%	2.7%	
4-Methyl-2-pentanone (MIBK)	10.3	10.7	10	103%	107%	3.8%	
trans-1,3-Dichloropropene	11	11.4	10	110%	114%	3.6%	
1,1,2-Trichloroethane	10.6	10.8	10	106%	108%	1.9%	
Toluene	9.76	10.1	10	98%	101%	3.4%	
2-Hexanone	10.4	10.8	10	104%	108%	3.8%	
Dibromochloromethane	10.2	10.4	10	102%	104%	1.9%	
1,2-dibromoethane (EDB)	9.94	10.2	10	99%	102%	2.6%	
Tetrachloroethene	9.3	9.29	10	93%	93%	0.1%	
Chlorobenzene	9.52	9.34	10	95%	93%	1.9%	
Ethylbenzene	10.1	10.2	10	101%	102%	1.0%	
m,p-Xylene	18.5	19	20	93%	95%	2.7%	
Bromoform	9.11	9.16	10	91%	92%	0.5%	

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LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	9.81	9.76	10	98%	98%	0.5%	
1,1,2,2-Tetrachloroethane	8.29	8.33	10	83%	83%	0.5%	
o-Xylene	9.63	9.7	10	96%	97%	0.7%	
4-Ethyltoluene	10.2	10	10	102%	100%	2.0%	
1,3,5-Trimethylbenzene	9.22	9.19	10	92%	92%	0.3%	
1,2,4-Trimethylbenzene	9.42	9.25	10	94%	93%	1.8%	
1,3-Dichlorobenzene	8.99	8.69	10	90%	87%	3.4%	
Benzyl Chloride	11.1	11.2	10	111%	112%	0.9%	
1,4-Dichlorobenzene	8.9	8.53	10	89%	85%	4.2%	
1,2-Dichlorobenzene	9.39	9.06	10	94%	91%	3.6%	
1,2,4-Trichlorobenzene	10.3	10	10	103%	100%	3.0%	
Hexachloro-1,3-butadiene	8.6	8.62	10	86%	86%	0.2%	
4-bromofluorobenzene (surrogate)	91%	92%					
Analysis Date/Time:	2-16-14/15:39	2-16-14/16:51					
Analyst Initials	tjg	tjg					

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TO-15 Quality Control Data

EnvisionAir Batch Number: 021614CAIR(2)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	108%		
Analysis Date/Time:	2-17-14/06:19		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	9.89	10.9	10	99%	109%	9.7%	
Dichlorodifluoromethane	10.3	10.8	10	103%	108%	4.7%	
Chloromethane	9.17	9.13	10	92%	91%	0.4%	
Vinyl Chloride	9.06	9.41	10	91%	94%	3.8%	
1,3-Butadiene	8.47	8.83	10	85%	88%	4.2%	
Bromomethane	8.97	9.24	10	90%	92%	3.0%	
Chloroethane	9.25	9.74	10	93%	97%	5.2%	
Vinyl Bromide	9.65	9.7	10	97%	97%	0.5%	
Trichlorofluoromethane	9.42	10	10	94%	100%	6.0%	
Acetone	9.42	9.6	10	94%	96%	1.9%	
1,1-Dichloroethene	9.97	10.6	10	100%	106%	6.1%	
Methylene Chloride	9.19	9.37	10	92%	94%	1.9%	
Carbon Disulfide	9.18	10	10	92%	100%	8.6%	
trans-1,2-Dichloroethene	10.7	11.8	10	107%	118%	9.8%	
Methyl-tert-butyl ether	10.8	11.6	10	108%	116%	7.1%	
1,1-Dichloroethane	10.4	11.1	10	104%	111%	6.5%	
Vinyl Acetate	10.4	11	10	104%	110%	5.6%	
N-Hexane	9.52	10.2	10	95%	102%	6.9%	
2-Butanone (MEK)	11.2	11.3	10	112%	113%	0.9%	
cis-1,2-Dichloroethene	11.7	11.4	10	117%	114%	2.6%	
Ethyl Acetate	11.3	10.1	10	113%	101%	11.2%	
Chloroform	10.5	9.73	10	105%	97%	7.6%	
Tetrahydrofuran	11.9	11.5	10	119%	115%	3.4%	
1,2-Dichloroethane	10.3	10.3	10	103%	103%	0.0%	
1,1,1-Trichloroethane	10.2	9.95	10	102%	100%	2.5%	
1,1-Dichloropropene	11.4	10.9	10	114%	109%	4.5%	
Carbon Tetrachloride	10.3	9.75	10	103%	98%	5.5%	
Benzene	9.54	9.07	10	95%	91%	5.1%	
Cyclohexane	10.4	9.69	10	104%	97%	7.1%	
1,2-Dichloropropane	10.5	9.64	10	105%	96%	8.5%	
Trichlorethene	10.7	10.4	10	107%	104%	2.8%	
Bromodichloromethane	10.3	10	10	103%	100%	3.0%	
1,4-Dioxane	10.3	9.82	10	103%	98%	4.8%	
Isooctane	9.33	9.55	10	93%	96%	2.3%	
N-Heptane	10.2	9.87	10	102%	99%	3.3%	
cis-1,3-Dichloropropene	11.2	10.7	10	112%	107%	4.6%	
4-Methyl-2-pentanone (MIBK)	11.1	11	10	111%	110%	0.9%	
trans-1,3-Dichloropropene	11.4	11	10	114%	110%	3.6%	
1,1,2-Trichloroethane	10.6	9.8	10	106%	98%	7.8%	
Toluene	9.58	9.61	10	96%	96%	0.3%	
2-Hexanone	11.1	10.8	10	111%	108%	2.7%	
Dibromochloromethane	10.4	10.6	10	104%	106%	1.9%	
1,2-dibromoethane (EDB)	10.1	10.2	10	101%	102%	1.0%	
Tetrachloroethene	9.32	9.27	10	93%	93%	0.5%	
Chlorobenzene	9.25	9.32	10	93%	93%	0.8%	
Ethylbenzene	9.88	10.1	10	99%	101%	2.2%	
m,p-Xylene	18.1	20.9	20	91%	105%	14.4%	
Bromoform	8.72	9.34	10	87%	93%	6.9%	

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LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	9.37	9.25	10	94%	93%	1.3%	
1,1,2,2-Tetrachloroethane	8.1	8.14	10	81%	81%	0.5%	
o-Xylene	9.2	9.44	10	92%	94%	2.6%	
4-Ethyltoluene	9.63	9.54	10	96%	95%	0.9%	
1,3,5-Trimethylbenzene	9.03	8.85	10	90%	89%	2.0%	
1,2,4-Trimethylbenzene	9.08	8.77	10	91%	88%	3.5%	
1,3-Dichlorobenzene	8.32	8.34	10	83%	83%	0.2%	
Benzyl Chloride	10.9	11.1	10	109%	111%	1.8%	
1,4-Dichlorobenzene	8.4	8.15	10	84%	82%	3.0%	
1,2-Dichlorobenzene	8.84	8.45	10	88%	85%	4.5%	
1,2,4-Trichlorobenzene	10.4	10.7	10	104%	107%	2.8%	
Hexachloro-1,3-butadiene	8.45	8.48	10	85%	85%	0.4%	
4-bromofluorobenzene (surrogate)	89%	97%					
Analysis Date/Time:	2-17-14/03:01	2-17-14/05:45					
Analyst Initials	tjg	tjg					

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TO-15 Quality Control Data - CSI Report

Canister Number: 4696

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	90%		
Analysis Date/Time:	01-20-14/07:13		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 14948

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	94%		
Analysis Date/Time:	01-20-14/07:46		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 4685

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	90%		
Analysis Date/Time:	01-20-14/08:18		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 14949

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/08:51		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 14114

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/09:27		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 11090

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	89%		
Analysis Date/Time:	01-20-14/09:59		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 11085

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	90%		
Analysis Date/Time:	01-20-14/06:08		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 80639

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	87%		
Analysis Date/Time:	01-20-14/10:33		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 14887

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/11:05		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 91536

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/11:38		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 14937

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	86%		
Analysis Date/Time:	01-20-14/12:11		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 80638

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	84%		
Analysis Date/Time:	01-20-14/12:44		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 11078

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	01-20-14/06:41		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 4684

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	86%		
Analysis Date/Time:	01-20-14/13:18		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 80635

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/13:51		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 10348

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/14:24		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 91443

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	01-20-14/14:57		
Analyst Initials	tjg		

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TO-15 Quality Control Data - CSI Report

Canister Number: 4664

Compounds	Canister Results ppbv	Reporting Limit ppbv	Flag
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 0.2	0.2	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 0.2	0.2	
1,1-Dichloroethene	< 0.2	0.2	
1,1-Dichloropropene	< 10	10	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 0.2	0.2	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 0.2	0.2	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 0.2	0.2	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 0.2	0.2	
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	< 0.2	0.2	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 0.2	0.2	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 0.2	0.2	
Chloroethane	< 0.2	0.2	
Chloroform	< 0.17	0.17	
Chloromethane	< 0.5	0.5	
cis-1,2-Dichloroethene	< 0.2	0.2	
cis-1,3-Dichloropropene	< 0.2	0.2	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 0.2	0.2	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 0.2	0.2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 0.2	0.2	
Methylene Chloride	< 0.5	0.5	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 0.2	0.2	
Propylene	< 100	100	
Styrene	< 0.2	0.2	
Tetrachloroethene	< 0.2	0.2	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 0.2	0.2	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 0.2	0.2	
Trichlorethene	< 0.2	0.2	
Trichlorofluoromethane	< 0.2	0.2	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.2	0.2	
4-bromofluorobenzene (surrogate)	87%		
Analysis Date/Time:	01-20-14/15:30		
Analyst Initials	tjg		

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Flag Number	Comments
1	Reporting limit is supported by MDL. TJG

CHAIN OF CUSTODY RECORD

EnvisionAir | 1437 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: EnviroForensics	P.O. Number:
Report Address: N16 W23390 Stone Ridge Dr, Waukesha WI 53188	Project Name or Number: 6107 Shorewood Queensway
Report To: R. Hoverman	Sampled by: K. Hemstead
Phone: 317-972-7870	QA/QC Required: (circle if applicable) Level III **(Level IV)**
Invoice Address:	Reporting Units needed: (circle) **(ug/m³)** mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days **(Std (5 bus. days))**	Media type: 1LC = 1 Liter Canister; 6LC = 6 Liter Canister; TB = Tedlar Bag; TD = Thermal Desorption Tube

REQUESTED PARAMETERS

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

Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	TO-15 Full List	TO-15 Short List			Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6107-OA-1	6LC	2/3/14	908	2/4/14	908	x				11090	02235	-30	-6.5	-6.5	14-196
6107-OA-2	6LC	2/3/14	925	2/4/14	925	x				4635	07256	-29	-2	-2	14-197
6107-OA-3	6LC	2/3/14	940	2/4/14	939	x				14949	05724	-28.5	-0.75	-0.75	14-198
6107-OA-4	6LC	2/3/14	954	2/4/14	954	x				80639	05602	-29	-11	-11	14-199
6107-IA-4332-Hall-F2	6LC	2/3/14	1015	2/4/14	1015	x				14937	05722	-29	-3	-3	14-200
6107-IA-4324-#204-F2	6LC	2/3/14	1030	2/4/14	1030	x				4684	05220	-28	-11	-11	14-201
6107-IA-4324-#203-F2	6LC	2/3/14	1038	2/4/14	1029	x				14948 ~~12114~~	04140	-30	-1.5	-1.5	14-202
6107-IA-4324-Hall-F2	6LC	2/3/14	1045	2/4/14	1042	x				14114	05298	-28.5	-11.5	-11.5	14-203
6107-IA-4330-North-F1	6LC	2/3/14	1105	2/4/14	1105	x				4664	05221	-28.5	-5	-5	14-204
6107-IA-4316-F1	6LC	2/3/14	1112	2/4/14	1116	x				10348	07255	-29.5	-5.5	-5.5	14-205

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2/7/14		[signature]	2/10/14	10:00

EnvisionAir Proj#: 2014-35 Page 2 of 2

CHAIN OF CUSTODY RECORD

EnvisionAir | 1437 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: Enviro Forensics	P.O. Number:
Report/Address: N16 W23570 Stone Ridge Dr Waukesha WI 53188	Project Name or Number: 6107 Shorewood Queensway
Report To: R. Haverman	Sampled by: J.G. Hamstead
Phone: 317-972-7870	QA/QC Required: (circle if applicable) Level III (Level IV)
Invoice Address:	Reporting Units needed: (circle) (ug/m³) mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days (Std (5 bus. days))	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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Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	TO-15 Full List	TO-15 Short List			Canister Serial #	Flow Controller Serial #	Canister Pressure / Vacuum: Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6107-IA-4316-B	6LC	2/3/14	1118	2/4/14	1118	X				80635	05721	-29	-5	-5	14-206
6107-IA-4312-F1	6LC	2/3/14	1131	2/4/14	1138	X				91443	05307	-30	-15	-15	14-207
6107-IA-4312-B	6LC	2/3/14	1140	2/4/14	1138	X				4696	04143	-29	-3	-3	14-208
6107-IA-4314-B	6LC	2/3/14	1154	2/4/14	1154	X				11078	05719	-29	-5.5	-5.5	14-209
6107-IA-4314-F1	6LC	2/3/14	1158	2/4/14	1158	X				11085	05717	-30	-5	-5	14-210
6107-IA-4330-B	6LC	2/3/14	1208	2/4/14	1208	X				14887	03078	-29.5	-10	-10	14-211
6107-IA-4320-F1	6LC	2/3/14	1223	2/4/14	1223	X				91536	05714	-29.5	-5	-5	14-212
6107-IA-4320-B	6LC	2/3/14	1230	2/4/14	1238	X				80638	07257	-29	-3	-3	14-213

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	2/7/14			2/10/14	10:00

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

R. HOVERMAN
ENVIROFORENSICS
N16 W23390 STONE RIDGE DRIVE
WAUKESHA, WI 53188

Report Date *27-Feb-14*

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516A
Sample ID 6107-HA-1-4312-(1')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.2	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	277	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	2 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516A
Sample ID 6107-HA-1-4312-(1')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	27.2 "J"	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	307000	ug/kg	4900	15700	100	8260B		2/19/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	700	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	95	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516B
Sample ID 6107-HA-1-4312-(1.5')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	680	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	2 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	294000	ug/kg	4900	15700	100	8260B		2/19/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	1080	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516B
Sample ID 6107-HA-1-4312-(1.5')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	94	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516C
Sample ID 6107-HA-2-4312-(0.75')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	4 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	2560	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516C
Sample ID 6107-HA-2-4312-(0.75')
Sample Matrix Soil
Sample Date 2/5/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	97	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516D
Sample ID 6107-HA-2-4312-(5')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.5	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	4 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516D
Sample ID 6107-HA-2-4312-(5')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516E
Sample ID 6107-HA-2-4316-(2')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	4 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516E
Sample ID 6107-HA-2-4316-(2')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Toluene-d8	102	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516F
Sample ID 6107-HA-1-4316-(6.5')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	5021		2/14/2014	MDK	1
Organic										
VOC's										
Benzene	< 9.2	ug/kg	9.2	29	1	8260B		2/18/2014	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		2/18/2014	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		2/18/2014	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
sec-Butylbenzene	< 41	ug/kg	41	132	1	8260B		2/18/2014	CJR	1
n-Butylbenzene	< 26	ug/kg	26	82	1	8260B		2/18/2014	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		2/18/2014	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		2/18/2014	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		2/18/2014	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		2/18/2014	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		2/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		2/18/2014	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		2/18/2014	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		2/18/2014	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		2/18/2014	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		2/18/2014	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		2/18/2014	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		2/18/2014	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		2/18/2014	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		2/18/2014	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		2/18/2014	CJR	4 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		2/18/2014	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		2/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		2/18/2014	CJR	1
Ethylbenzene	< 10	ug/kg	10	33	1	8260B		2/18/2014	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		2/18/2014	CJR	1
Isopropylbenzene	< 25	ug/kg	25	80	1	8260B		2/18/2014	CJR	1
p-Isopropyltoluene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		2/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		2/18/2014	CJR	7
Naphthalene	< 114	ug/kg	114	363	1	8260B		2/18/2014	CJR	1
n-Propylbenzene	< 24	ug/kg	24	75	1	8260B		2/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		2/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		2/18/2014	CJR	1
Toluene	< 20	ug/kg	20	65	1	8260B		2/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		2/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		2/18/2014	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		2/18/2014	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		2/18/2014	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		2/18/2014	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		2/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 26	ug/kg	26	81	1	8260B		2/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 26	ug/kg	26	84	1	8260B		2/18/2014	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		2/18/2014	CJR	1
m&p-Xylene	< 68	ug/kg	68	216	1	8260B		2/18/2014	CJR	1
o-Xylene	< 31	ug/kg	31	98	1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516F
Sample ID 6107-HA-1-4316-(6.5')
Sample Matrix Soil
Sample Date 2/6/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	94	Rec %			1	8260B		2/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Dibromofluoromethane	92	Rec %			1	8260B		2/18/2014	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		2/18/2014	CJR	1

Project Name QUEENSWAY DRY CLEANERS **Invoice #** E26516
Project # 6107

Lab Code 5026516G
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 2/6/2014

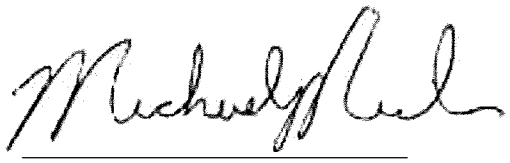
	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		2/13/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		2/13/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		2/13/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		2/13/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		2/13/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		2/13/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		2/13/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		2/13/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		2/13/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		2/13/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		2/13/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		2/13/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		2/13/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		2/13/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		2/13/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		2/13/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		2/13/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		2/13/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		2/13/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		2/13/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/13/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		2/13/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		2/13/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		2/13/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		2/13/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		2/13/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		2/13/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		2/13/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		2/13/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		2/13/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		2/13/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		2/13/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/13/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		2/13/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		2/13/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		2/13/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		2/13/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		2/13/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		2/13/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		2/13/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		2/13/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		2/13/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		2/13/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		2/13/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		2/13/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		2/13/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		2/13/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		2/13/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		2/13/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		2/13/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		2/13/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		2/13/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		2/13/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		2/13/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		2/13/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		2/13/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
2	Relative percent difference failed for laboratory spiked samples.
4	The continuing calibration standard not within established limits.
7	The LCS not within established limits.
8	Closing calibration standard not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



CHAIN OF STODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 264

Page 1 of 1

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
____ Normal Turn Around

Lab I.D. #

Account No. : **Quote No.:**

Project #: 6107

Sampler: (signature)

Project (Name / Location): Queensway Dry Cleaners / Shorewood WI

Reports To: R. Hovermann	Invoice To:
Company Enviro Forensics	Company
Address N116 W23390 Stone Ridge Dr	Address
City State Zip Waukesha WI 53188	City State Zip
Phone 317-972-7870	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
502616H	6107-HA-1-4312-(1)	2/5	10:48		x	-	2	S	
B	6107-HA-1-4312-(15')	2/5	11:11		x	-	2	S	
C	6107-HA-2-4312-(8.75')	2/5	15:20		x		2	S	
D	6107-HA-2-4312-(5')	2/6	15:28		x		2	S	
E	6107-HA-1-4316-(2')	2/6	10:46		x		2	S	
F	6107-HA-1-4316-(6.5')	2/6	13:41		x		2	S	
G	Trip Blank						1		

DRO (Mod DRO Sep 95) | GRO (Mod GRO Sep 95) | LEAD | NITRATE/NITRITE | OIL & GREASE | PAH (EPA 8270) | PVOC (EPA 8021) | PVOC + NAPHTHALENE | SULFATE | TOTAL SUSPENDED SOLIDS | VOC DW (EPA 542.2) | VOC (EPA 8260) | 8-RCRA METALS | PID/FID

											x		
											x		
											x		
											x		
											x		
											x		
											x		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Dietzen
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	10:35	2/11/14		16:35	2-11-14

Received in Laboratory By: Time: 8:00 Date: 2-12-14