ENVIRO forensics

September 26, 2013

Cindy Johnson
N2634 Jefferson Road
Neosho, Wisconsin 53059

Subject: Sub-slab vapor and indoor air sampling results

Dear Ms. Johnson:

In accordance with the Agreement to Provide Access for Sampling Activities, Environmental Forensic Investigations (EnviroForensics) is providing the attached sampling results. One (1) indoor air sample and two (2) sub-slab vapor samples were collected at your building at 7219 West Center Street, Wauwatosa, Wisconsin on September 4, 2013. A sample of outdoor air was also collected concurrently to evaluate background conditions. The sampling activities were conducted at the direction of the Wisconsin Department of Natural Resources (WDNR) as part of an environmental investigation being performed at the former Hoffman's Valet Cleaners facility located at 7215 West Center Street, Wauwatosa, Wisconsin. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethylene (PCE) and its associated breakdown products.

Sub-Slab Vapor Sampling Results

The sub-slab samples "7219-SSV-1" and "7219-SSV-2" were collected from points on the east and west sides of the basement, respectively. The sub-slab vapor results are summarized and compared to WDNR Vapor Risk Screening Levels on the attached Table 1. The laboratory report that relates to the sub-slab samples collected at your building is also attached.

The identified sub-slab vapor concentrations of all compounds in the samples were below the Vapor Risk Screening Levels established by the WDNR for use in the evaluation of potential vapor intrusion at sites such as this.

Indoor Air Sampling Results

The indoor air sample "7219-IA" was collected from the first floor of your building. The indoor air results are summarized and compared to WDNR Vapor Action Levels on the attached

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

Table 2. The laboratory report that relates to the indoor air sample collected at your building is also attached.

The identified indoor air concentrations of all compounds in the sample were below the Vapor Action Levels established by the WDNR for use in the evaluation of indoor air quality at sites such as this.

We will contact you to discuss the proposed next steps, if any. If you have any questions or concerns, please contact me at 414-326-4412 or by email at bkappen@enviroforensics.com. We greatly appreciate your help and patience with this matter.

Sincerely,
Environmental Forensic Investigations, Inc.

Brian Kappen, PG
Project Manager

Attachments: Indoor Air and Sub-Slab Analytical Results Summary Tables
Analytical Report for Indoor Air and Sub-Slab Vapor

Copy: J. Hnat, Wisconsin Department of Natural Resources

Vapor Intrusion Assessment Results
7219 West Center Street

Table 1: Sub-Slab Vapor Sample Results

Sample Identification	Sample Date	Tetrachloroethylene	Trichloroethylene
7219-SSV-1	9/5/2013	**298**	**8.54**
7219-SSV-2	9/5/2013	**36.6**	<1.07
Vapor Risk Screening Level		**1,800**	**88**

Table 2: Indoor/Outdoor Air Sample Results

Sample Identification	Sample Date	Tetrachloroethylene	Trichloroethylene
7219-IA	9/4/2013	**9.16**	<1.07
7219-OA	9/4/2013	**22.4**	**1.07**
Vapor Action Level		**180**	**8.8**

Notes:

All concentrations reported in units of micrograms per cubic meter (ug/m3)

Bolded values are above laboratory method detection limits

Bolded and shaded values exceed the Vapor Action Level/ Vapor Risk Screening Level

The Vapor Risk Screening Levels and Vapor Action Levels were calculated according to the procedures described in WDNR Publication RR-800.

IA = Indoor Air

OA = Outdoor Air

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

September 20, 2013

ENVision Project Number: 2013-312
Client Project Name: Hoffmans Cleaners - 6200

Dear Mr. Kappen,

Please find the attached analytical report for the samples received September 9, 2013. 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

David Norris

Client Services Manager
EnvisionAir

EnvisionAir
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Client Name: ENVIROFORENSICS

Project ID: HOFFMAN CLEANERS - 6200

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2013-312

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)
13-1122	6200-7219-IA	A	9/4/13	11:20	9/4/13	19:20	9/9/13	10:00	-30		
13-1123	6200-7219-OA	A	9/4/13	11:35	9/4/13	19:35	9/9/13	10:00	-29.5	-8	-8
13-1124	6200-7219-SSV-1	A	9/5/13	12:05	9/5/13	12:10	9/9/13	10:00	-27	-6.5	-6.5
13-1125	6200-7219-SSV-2	A	9/5/13	12:40	9/5/13	12:45	9/9/13	10:00	-29	-10	-10

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Client Name: ENVIROFORENSICS

Project ID: HOFFMAN CLEANERS - 6200

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2013-312

Analytical Method: TO-15
Analytical Batch: 091113CAIR

Client Sample ID: 6200-7219-IA
Envision Sample Number: 13-1122
Sample Matrix: AIR

Sample Collection START Date/Time: 9/4/13 11:20
Sample Collection END Date/Time: 9/4/13 19:20
Sample Received Date/Time: 9/9/13 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**9.16**	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichlorethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	9-12-13/12:23		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: HOFFMAN CLEANERS - 6200

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2013-312

Analytical Method: TO-15
Analytical Batch: 091113CAIR

Client Sample ID: 6200-7219-OA
Sample Collection START Date/Time: 9/4/13 11:35
Sample Collection END Date/Time: 9/4/13 19:35
Envision Sample Number: 13-1123
Sample Received Date/Time: 9/9/13 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**22.4**	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichlorethene	**1.07**	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	9-12-13/13:01		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: HOFFMAN CLEANERS - 6200

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2013-312

Analytical Method: TO-15
Analytical Batch: 091313TAIR

Client Sample ID: 6200-7219-SSV-1
Envision Sample Number: 13-1124
Sample Matrix: AIR

Sample Collection START Date/Time: 9/5/13 12:05
Sample Collection END Date/Time: 9/5/13 12:10
Sample Received Date/Time: 9/9/13 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**298**	31.9	1
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichlorethene	**8.54**	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	101%		
Analysis Date/Time:	9-14-13/13:24		
Analyst Initials	tjg		

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Client Name:	ENVIROFORENSICS
Project ID:	HOFFMAN CLEANERS - 6200
Client Project Manager:	BRIAN KAPPEN
EnvisionAir Project Number:	2013-312
Analytical Method:	TO-15
Analytical Batch:	091313TAIR
Client Sample ID:	6200-7219-SSV-2
Envision Sample Number:	13-1125
Sample Matrix:	AIR

Sample Collection START Date/Time:	9/5/13	12:40
Sample Collection END Date/Time:	9/5/13	12:45
Sample Received Date/Time:	9/9/13	10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**36.6**	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichlorethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	101%		
Analysis Date/Time:	9-14-13/14:04		
Analyst Initials	tjg		

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 091113CAIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	9-11-13/23:01		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	9.77	8.39	10	98%	84%	15.2%	
trans-1,2-Dichloroethene	9.39	8.93	10	94%	89%	5.0%	
cis-1,2-Dichloroethene	10.5	10.3	10	105%	103%	1.9%	
Trichlorethene	9.51	9.42	10	95%	94%	1.0%	
Tetrachloroethene	9.24	9.06	10	92%	91%	2.0%	
4-bromofluorobenzene (surrogate)	100%	97%					
Analysis Date/Time:	9-11-13/21:04	9-11-13/22:29					
Analyst Initials	tjg	tjg					

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 091313TAIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	9-14-13/03:12		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	10.5	10.1	10	105%	101%	3.9%	
trans-1,2-Dichloroethene	9.36	8.81	10	94%	88%	6.1%	
cis-1,2-Dichloroethene	11	10.1	10	110%	101%	8.5%	
Trichlorethene	8.73	8.5	10	87%	85%	2.7%	
Tetrachloroethene	9.27	9.47	10	93%	95%	2.1%	
4-bromofluorobenzene (surrogate)	109%	121%					
Analysis Date/Time:	9-14-13/01:59	9-14-13/02:38					
Analyst Initials	tjg	tjg					

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Flag Number	Comments
1	Reported value is from a 10x dilution. TJG 9-19-13

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: N116 W23390 Suite G Waukesha WI 53188	Project Name or Number: Hoffmans Cleaners 6200
~~Report To:~~ Wayne Fassbender Brian Kappen & J. Jordan	Sampled by: J. Jordan
Phone: Wayne 414-982-3988 & Jonathon J. 317-400-8813	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address: Indianapolis office	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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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
6200-7219-IA	6 LC	9/4/13	11:20	9/4/13	~~19~~ 19:20		X			10332	05301	-?	-30		13-1122
6200-7219-OA	6LC	9/4/13	11:35	~~19:35~~ 9/4/13	19:35		X			91442	05252	-29.5	-8	-8	13-1123
6200-7219-SSV-1	1 LC	9/5/13	12:05	9/5/13	12:10		X			83727	NA	-27	-6.5	-6.5	13-1124
6200-7219-SSV-2	1 LC	9/5/13	12:40	9/5/13	12:45		X			83921	NA	-29	-10	-10	13-1125

Comments: Please report only PCE/TCE/cis-1,2-DCE/trans-1,2-DCE/Vinyl Chloride for all samples / Regulator on IA sample Broke 0 = -22

Relinquished by:	Date	Time	Received by:	Date	Time
	9/5/2013			9/9/13	10:00

Synergy Environmental Lab, INC.

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

BRIAN KAPPEN
ENVIROFORENSICS
N16 W23390 STONE RIDGE DRIVE
WAUKESHA, WI 53188

Report Date *16-Sep-13*

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721A
Sample ID 6200-MW-1
Sample Matrix Water
Sample Date 9/5/2013

	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		9/13/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/13/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/13/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/13/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/13/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/13/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/13/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/13/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/13/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/13/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/13/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/13/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/13/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721A
Sample ID 6200-MW-1
Sample Matrix Water
Sample Date 9/5/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/13/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/13/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/13/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Tetrachloroethene	5.2	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/13/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/13/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/13/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/13/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		9/13/2013	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		9/13/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/13/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721B
Sample ID 6200-MW-2
Sample Matrix Water
Sample Date 9/5/2013

	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		9/13/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/13/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/13/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
Chloroform	0.30 "J"	ug/l	0.28	0.88	1	8260B		9/13/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/13/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/13/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/13/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/13/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/13/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/13/2013	CJR	1
cis-1,2-Dichloroethene	0.44 "J"	ug/l	0.38	1.2	1	8260B		9/13/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/13/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/13/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/13/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/13/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/13/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Tetrachloroethene	3.9	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/13/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/13/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/13/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/13/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		9/13/2013	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/13/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/13/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721C
Sample ID 6200-MW-3
Sample Matrix Water
Sample Date 9/5/2013

	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		9/13/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/13/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/13/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/13/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/13/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/13/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/13/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/13/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/13/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/13/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/13/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/13/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/13/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/13/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/13/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/13/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/13/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/13/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/13/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/13/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		9/13/2013	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		9/13/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721D
Sample ID 6200-MW-DUP
Sample Matrix Water
Sample Date 9/5/2013

	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		9/13/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/13/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/13/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/13/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/13/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/13/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/13/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/13/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/13/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/13/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/13/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/13/2013	CJR	1
cis-1,2-Dichloroethene	0.40 "J"	ug/l	0.38	1.2	1	8260B		9/13/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/13/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/13/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/13/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/13/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/13/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/13/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/13/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/13/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/13/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/13/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/13/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/13/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/13/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/13/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Tetrachloroethene	3.8	ug/l	0.33	1.1	1	8260B		9/13/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/13/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/13/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/13/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/13/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/13/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/13/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/13/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/13/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/13/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/13/2013	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		9/13/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		9/13/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/13/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		9/13/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721E
Sample ID 6200-FIELD BLANK
Sample Matrix Water
Sample Date 9/5/2013

	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		9/12/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/12/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/12/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/12/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/12/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/12/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/12/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/12/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/12/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/12/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/12/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/12/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/12/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/12/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/12/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/12/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/12/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/12/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/12/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/12/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/12/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/12/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/12/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/12/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/12/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/12/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/12/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/12/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/12/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/12/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/12/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/12/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/12/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/12/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/12/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/12/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/12/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/12/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		9/12/2013	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		9/12/2013	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		9/12/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/12/2013	CJR	1

Project Name HOFFMAN CLEANERS **Invoice #** E25721
Project #

Lab Code 5025721F
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 9/5/2013

	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		9/12/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/12/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/12/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		9/12/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		9/12/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		9/12/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		9/12/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		9/12/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		9/12/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		9/12/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		9/12/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/12/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/12/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		9/12/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		9/12/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		9/12/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		9/12/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		9/12/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		9/12/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		9/12/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		9/12/2013	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		9/12/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		9/12/2013	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		9/12/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		9/12/2013	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/12/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		9/12/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		9/12/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		9/12/2013	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		9/12/2013	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		9/12/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/12/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		9/12/2013	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		9/12/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		9/12/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		9/12/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		9/12/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		9/12/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		9/12/2013	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		9/12/2013	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		9/12/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		9/12/2013	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		9/12/2013	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		9/12/2013	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		9/12/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/12/2013	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		9/12/2013	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		9/12/2013	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.
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