



August 17, 2017

Richard Paul, Jr., Public Works Director
Village of Elm Grove
13600 Juneau Boulevard
Elm Grove, Wisconsin 53122-1679

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-68-552102

Dear Mr. Paul:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC (EnviroForensics) is providing the results of the groundwater sample collected from Village of Elm Grove property (monitoring well, MW-8), on August 1, 2016. The sampling activities were conducted at the direction of the WDNR as part of an environmental investigation being performed for the One Hour Martinizing facility located at 13405 Watertown Plank Road, Elm Grove, Wisconsin. The chemicals of concern for the investigation are the chlorinated dry cleaning solvent tetrachloroethene (PCE) and associated chlorinated compounds resulting from the natural breakdown in the subsurface of PCE including trichloroethene (TCE), cis/trans-1,2,-dichloroethene (DCE), and vinyl chloride.

The Responsible Party is:

Mr. Brian Cass
OHM Holdings, Inc.
W229 N2494 Hwy F
Waukesha, WI 53186
Telephone: 262-521-9710


Sampling Results

The analytical results of the groundwater samples are summarized and compared to public health criteria on **Table 1**. The sample location is depicted on the attached **Figure 1**. An excerpt from the laboratory report that relates to the groundwater sample collected from the monitoring well is also attached. The groundwater sample collected from monitoring well MW-8 did not contain concentrations of chlorinated compounds above laboratory detection limits.

Document: 6142-0697
Environmental Forensic Investigations, Inc.
N16 W23390 Stone Ridge Dr, Suite G, Waukesha, WI 53188
Phone: 414-982-3988 • Fax 317-972-7875
















We will contact you to discuss additional investigation work, if any. If you have any questions or concerns, please contact me at 414-982-3988 or by email at wfassbender@enviroforensics.com. The WDNR project manager, Mr. Jim Delwiche, can be reached at 262-574-2145. We greatly appreciate your help and patience with this matter.

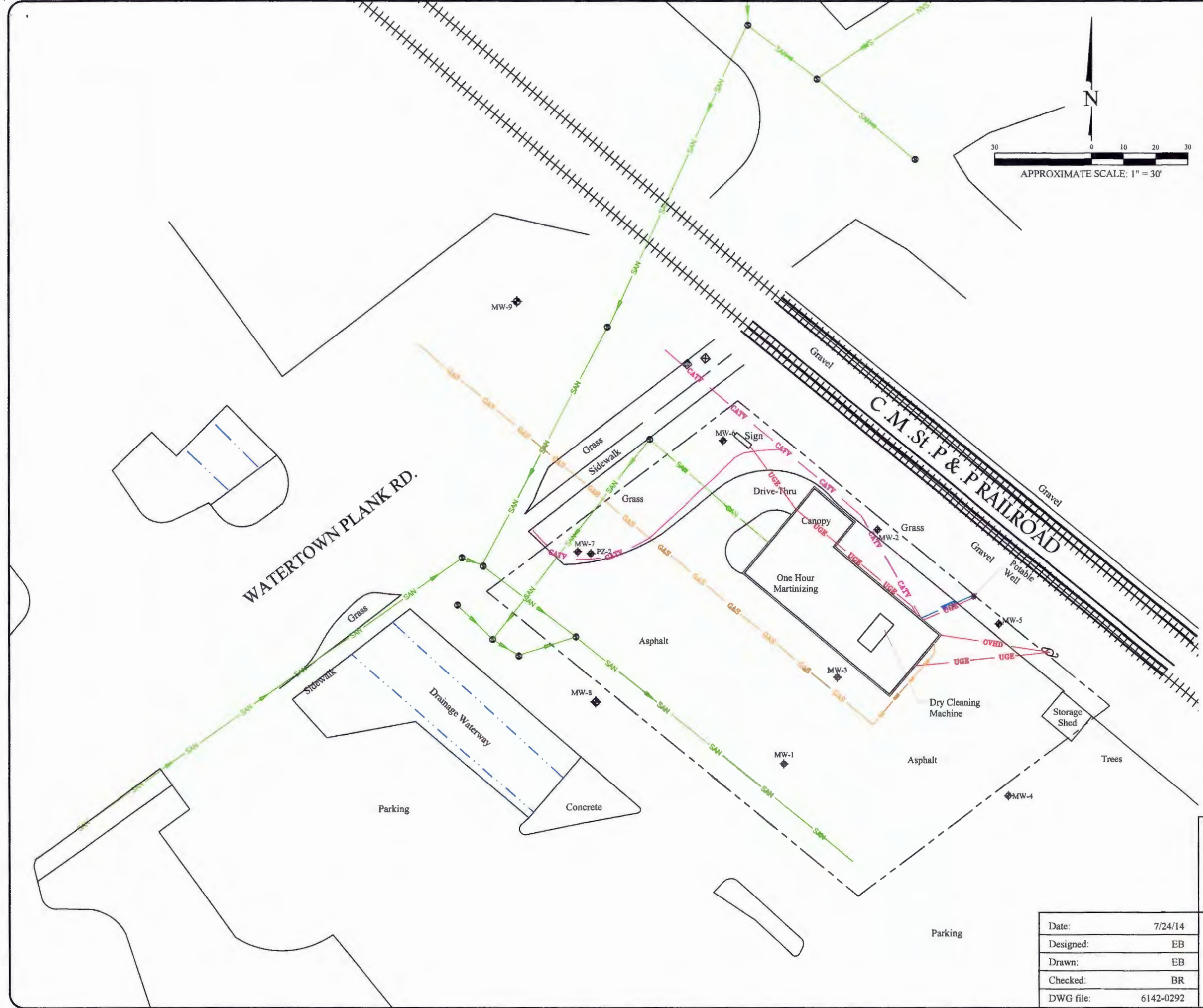
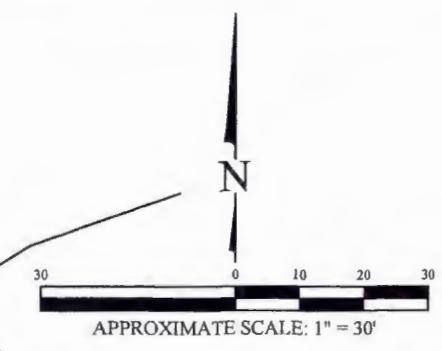
Sincerely,
Environmental Forensic Investigations, Inc.


Wayne P. Fassbender, PG, PMP
Sr. Project Manager

Attachments: Figure 1: Site Layout Map
Table 1: Groundwater Results Summary
Laboratory Analytical Report

Copy: Ted Warpinski, Friebert, Finerty & St. John, S.C. (via email)
Jim Delwiche, Wisconsin Department of Natural Resources
Brian Cass, OHM Holdings, LLC (via email)

- Legend**
- MW-2  Monitoring well location
 -  Property boundary
 -  GAS  GAS Underground gas utility line
 -  WTR  WTR Underground water utility line
 -  SAN  SAN Underground sanitary utility line (Arrow shows direction of flow)
 -  CATV  CATV Underground cable television utility line
 -  OVHD  OVHD Over head electrical utility line
 -  UGE  UGE Underground electrical utility line
 -  Sanitary Sewer Manhole



SITE LAYOUT MAP

Date:	7/24/14
Designed:	EB
Drawn:	EB
Checked:	BR
DWG file:	6142-0292



ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
 825 North Capitol Avenue • Indianapolis, IN 46204
 EnviroForensics.com

Figure	2
Project	6142

TABLE 1
MONITORING WELL SAMPLE ANALYTICAL RESULTS
 One Hour Martinizing
 Elm Grove, Wisconsin

Boring Identification	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	Naphthalene	1,2,4-Trimethylbenzene
Enforcement Standard		5	5	70	100	0.2	5	100	480
Preventive Action Limit		0.5	0.5	7	20	0.02	0.5	10	96
MW-8	12/6/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	2/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	5/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	8/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	10/31/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<1.7	<2.2
	3/31/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/18/2015	<0.74	<0.54	<0.45	<0.54	<0.17	NA	NA	NA
	9/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	12/3/2015	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	5/24/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
	11/15/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1.6	<1.6
3/20/2017	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<2.17	<1.14	
8/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	<0.17	<2.17	<1.14	

Notes:

All concentrations reported in units of micrograms per liter (µg/l)
 Samples analyzed using EPA SW-846 Method 8260
 NA = Not Analyzed

Project # 6142

Lab Code 5033350D

Sample ID 6142 MW-8

Sample Matrix Water

Sample Date 8/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B	8/7/2017	8/7/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B	8/7/2017	8/7/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B	8/7/2017	8/7/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B	8/7/2017	8/7/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B	8/7/2017	8/7/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B	8/7/2017	8/7/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B	8/7/2017	8/7/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B	8/7/2017	8/7/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B	8/7/2017	8/7/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B	8/7/2017	8/7/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B	8/7/2017	8/7/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B	8/7/2017	8/7/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B	8/7/2017	8/7/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B	8/7/2017	8/7/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B	8/7/2017	8/7/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B	8/7/2017	8/7/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B	8/7/2017	8/7/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B	8/7/2017	8/7/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B	8/7/2017	8/7/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B	8/7/2017	8/7/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B	8/7/2017	8/7/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B	8/7/2017	8/7/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B	8/7/2017	8/7/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B	8/7/2017	8/7/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B	8/7/2017	8/7/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B	8/7/2017	8/7/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B	8/7/2017	8/7/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B	8/7/2017	8/7/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B	8/7/2017	8/7/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B	8/7/2017	8/7/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B	8/7/2017	8/7/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B	8/7/2017	8/7/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B	8/7/2017	8/7/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B	8/7/2017	8/7/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B	8/7/2017	8/7/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B	8/7/2017	8/7/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B	8/7/2017	8/7/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B	8/7/2017	8/7/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B	8/7/2017	8/7/2017	CJR	1

Project Name OHM 13405 WATERTOWN PLANK RD
Project # 6142

Invoice # E33350

Lab Code 5033350D
Sample ID 6142 MW-8
Sample Matrix Water
Sample Date 8/1/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/7/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/7/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/7/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/7/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			1	8260B		8/7/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		8/7/2017	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		8/7/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/7/2017	CJR	1

CHAIN OF CUSTODY RECORD

PO# 2017-1026



Chain # N2 317

Page of

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: 6142
 Sampler: (signature) [Signature]

Environmental Lab, Inc.

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

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

Project (Name / Location): off M 13405 Waterbury Plank Rd, Elm Grove, WI
 Reports To: Wayne Fassbender Invoice To: _____
 Company: Enviroferensics Company: _____
 Address: N16 W 23190 Stone Ridge Pl Address: _____
 City State Zip: Waukesha, WI 53188 City State Zip: _____
 Phone: 262-414-782-3998 Phone: _____
 FAX: 262-510-0460 FAX: _____

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

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>S033350A</u>	<u>6142 MW-1</u>	<u>8-1-17</u>	<u>1140</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>B</u>	<u>6142 MW-3</u>	<u>8-1-17</u>	<u>1055</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>C</u>	<u>6142 MW-7</u>	<u>8-1-17</u>	<u>1440</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>D</u>	<u>6142 MW-8</u>	<u>8-1-17</u>	<u>1232</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>E</u>	<u>6142 PZ-1</u>	<u>8-1-17</u>	<u>949</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>F</u>	<u>6142 PZ-2</u>	<u>8-1-17</u>	<u>1350</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>G</u>	<u>6142 PWHWELL</u>	<u>8-3-17</u>	<u>1520</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>H</u>	<u>6142 PJP-1</u>	<u>8-1-17</u>			<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>I</u>	<u>6142 ED</u>	<u>8-1-17</u>			<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	
<u>J</u>	<u>6142 TB</u>	<u>8-1-17</u>			<u>X</u>	<u>N</u>	<u>1</u>	<u>GW</u>	

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: GC
 Temp. of Temp. Blank _____ °C On Ice
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) [Signature] Time 10:33 Date 8/3/17
 Received By: (sign) [Signature] Time 10:35 Date 8/3/17

Received in Laboratory By: [Signature] Time: 8:00 Date: 8/4/17