



November 28, 2016

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, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of the groundwater sample collected from Village of Elm Grove property (monitoring well, MW-8), on November 16, 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), 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 samples 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.



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](mailto:wfassbender@enviroforensics.com). The WDNR project manager, Mr. Jim Delwiche, can be reached at 262-574-4125. We greatly appreciate your help and patience with this matter.

Sincerely,  
**Environmental Forensic Investigations, Inc.**

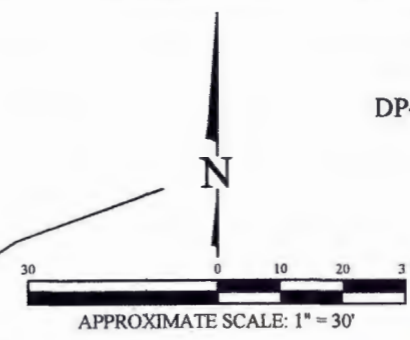
  
Wayne P. Fassbender, PG, PMP  
*Sr. Project Manager*

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**

- GP-1 ● Direct-push boring sample location (by others)
- DP-7,HA-1,B-9 ● Direct-push boring sample location
- MW-2 ⊕ Monitoring well location
- SG-1 ● Soil gas boring location
- SS-1 ○ Sub-slab vapor sample location
- Property boundary
- 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
- OVED --- OVED --- Over head electrical utility line
- UGE --- UGE --- Underground electrical utility line
- Ⓢ Sanitary Sewer Manhole



**SITE LAYOUT MAP**

One Hour Martinizing  
13405 Watertown Plank Road  
Elm Grove, WI

Date:	3/28/14
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6142-0292

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

Figure	1
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
<b>Enforcement Standard</b>		<b>5</b>	<b>5</b>	<b>70</b>	<b>100</b>	<b>0.2</b>	<b>5</b>	<b>100</b>	<b>480</b>
<b>Preventive Action Limit</b>		<b>0.5</b>	<b>0.5</b>	<b>7</b>	<b>20</b>	<b>0.02</b>	<b>0.5</b>	<b>10</b>	<b>96</b>
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	

**Notes:**

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

Project Name OHM ELM GROVE  
 Project # 6142 PO#20169286

Invoice # E32096

Lab Code 5032096D  
 Sample ID 6142 MW-8  
 Sample Matrix Water  
 Sample Date 11/15/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/17/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/17/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/17/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/17/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/17/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/17/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/17/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/17/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/17/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		11/17/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/17/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/17/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/17/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/17/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/17/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/17/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/17/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/17/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/17/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/17/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		11/17/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/17/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/17/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/17/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/17/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		11/17/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		11/17/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/17/2016	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/17/2016	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		11/17/2016	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/17/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	112	REC %			1	8260B		11/17/2016	CJR	1

CHAIN OF CUSTODY RECORD

# Synergy

LOPF

Chain # No 2763

Page 1 of 1

## 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

Lab I.D. # \_\_\_\_\_  
Account No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_  
Project #: 6042  
Sampler: (signature) *David Schacht*

Project (Name / Location): Old Elm Grove / Elm Grove, WI  
Reports To: W. Fassbender G. Schacht Invoice To: \_\_\_\_\_  
Company: EnviroForensics Company: \_\_\_\_\_  
Address: N16 W23390 Stone Ridge Dr Address: \_\_\_\_\_  
City State Zip: Waukesha WI 53188 City State Zip: SAME  
Phone: 414-982-3988 Phone: \_\_\_\_\_  
FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

Analysis Requested												Other Analysis		
CRD (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	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
<u>50520916 A</u>	<u>6042-MW-1</u>	<u>11-15</u>	<u>1224</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>B</u>	<u>6042-MW-3</u>	<u>11-15</u>	<u>1131</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>C</u>	<u>6042-MW-7</u>	<u>11-16</u>	<u>1416</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>D</u>	<u>6042-MW-8</u>	<u>11-16</u>	<u>1301</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>E</u>	<u>6042-P2-1</u>	<u>11-16</u>	<u>1046</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>F</u>	<u>6042-P2-2</u>	<u>11-16</u>	<u>1345</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>G</u>	<u>6042-Potable Well (spigot)</u>	<u>11-15</u>	<u>1515</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>H</u>	<u>6042-Dup</u>	<u>11-16</u>	<u>10:50</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>I</u>	<u>Trip Blank</u>	<u>11-16</u>	<u>8:00</u>		<u>X</u>	<u>N</u>	<u>1</u>	<u>GW</u>	<u>HCL</u>

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

PO # 20169280

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

Relinquished By: (sign) David Schacht Time 12:50 Date 11/16/16  
Received By: (sign) [Signature] Time 10:50 Date 11/16/16

Received in Laboratory By: [Signature] Time: 8:00 Date: 11/17/16