



June 5, 2019

Denise Dreszman
Sage-Louise Holdings, LLC
618 Oak Street
Baraboo, WI 53913

**Subject: Groundwater Results – 618 Oak Street, Baraboo, Wisconsin
BRRTS: 02-57-548538**

Dear Ms. Dreszman:

In accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC. (EnviroForensics) is providing the results of the environmental sample collected from your property located at 618 Oak Street in Baraboo, Wisconsin. The groundwater sample was collected on May 9, 2019. The sampling activity is part of an environmental investigation being performed for the Badger Cleaners facility located at 616 Oak Street in Baraboo at the direction of the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

The Responsible Party is:

Badger Cleaners
616 Oak Street
Baraboo, WI

Sampling Results

One groundwater sample was collected from the monitoring well (MW3) located on your property. The monitoring well location is depicted on the attached **Figure 1**. The results of the groundwater sample are summarized and compared to WDNR standards on the attached **Table 1**. A copy of the laboratory report that relates to the groundwater sample is also attached.

PCE was detected at a concentration of 1,170 micrograms per liter ($\mu\text{g/L}$), which exceeds the WDNR Enforcement standard (ES) of 5 $\mu\text{g/L}$ for PCE. No other chemicals of concern were detected in the groundwater sample.



We will continue to collect groundwater samples from the monitoring well quarterly. The next sampling event is anticipated for August 2019. If you have any questions or concerns, please contact us at 262-510-0612 or by email at rhoverman@enviroforensics.com. The WDNR project manager, Trevor Bannister, can be reached at 608-275-3490. We greatly appreciate your help and patience with this matter.

Sincerely,
EnviroForensics, LLC

Rob Hoverman, PG
Senior Project Manager

Attachments:

- Table 1 – Monitoring Well Analytical Results
- Figure 1 – Site Plan
- Laboratory Analytical Report

Copy: Trevor Bannister, Wisconsin Department of Natural Resources

TABLE 1
MONITORING WELL ANALYTICAL RESULTS

Badger Cleaners
616 Oak Street, Baraboo, Wisconsin

Monitoring Well Sample ID	Screened Interval (feet bgs)	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
Enforcement Standard			5	5	70	100	0.2
Preventative Action Limit			0.5	0.5	7	20	0.02
MW3	43-53	05/09/19	1,170	<3	<3.7	<3.4	<2

Notes:

µg/L = micrograms per liter

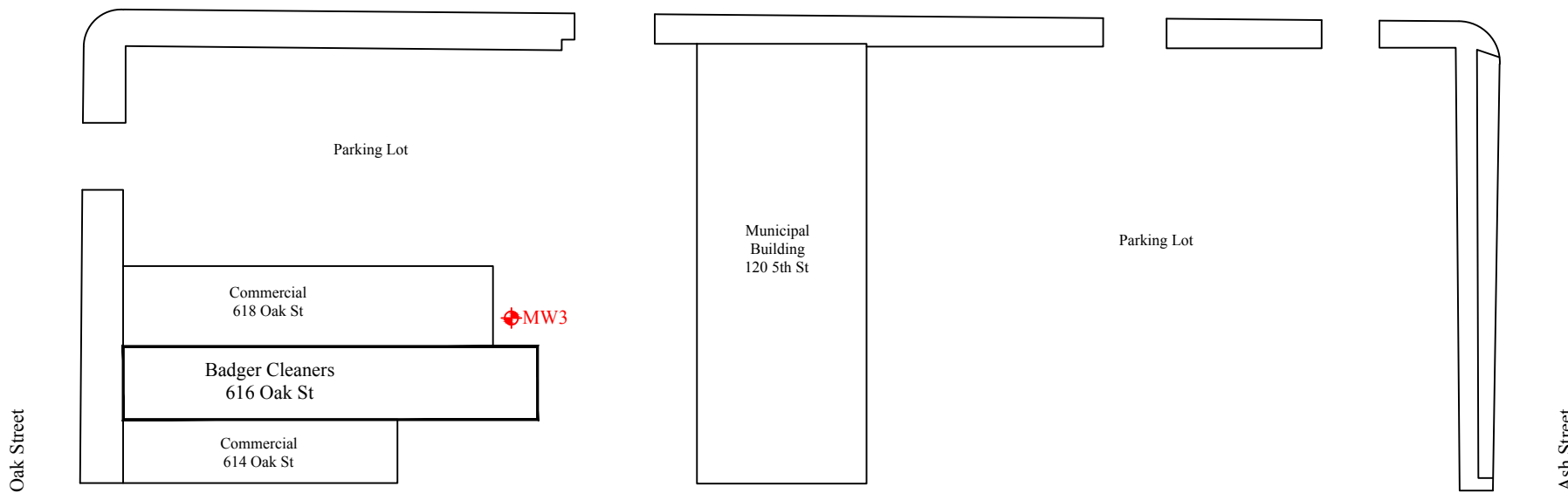
Samples analyzed using EPA SW-846 Method 8260

Bolded values are above detection limits

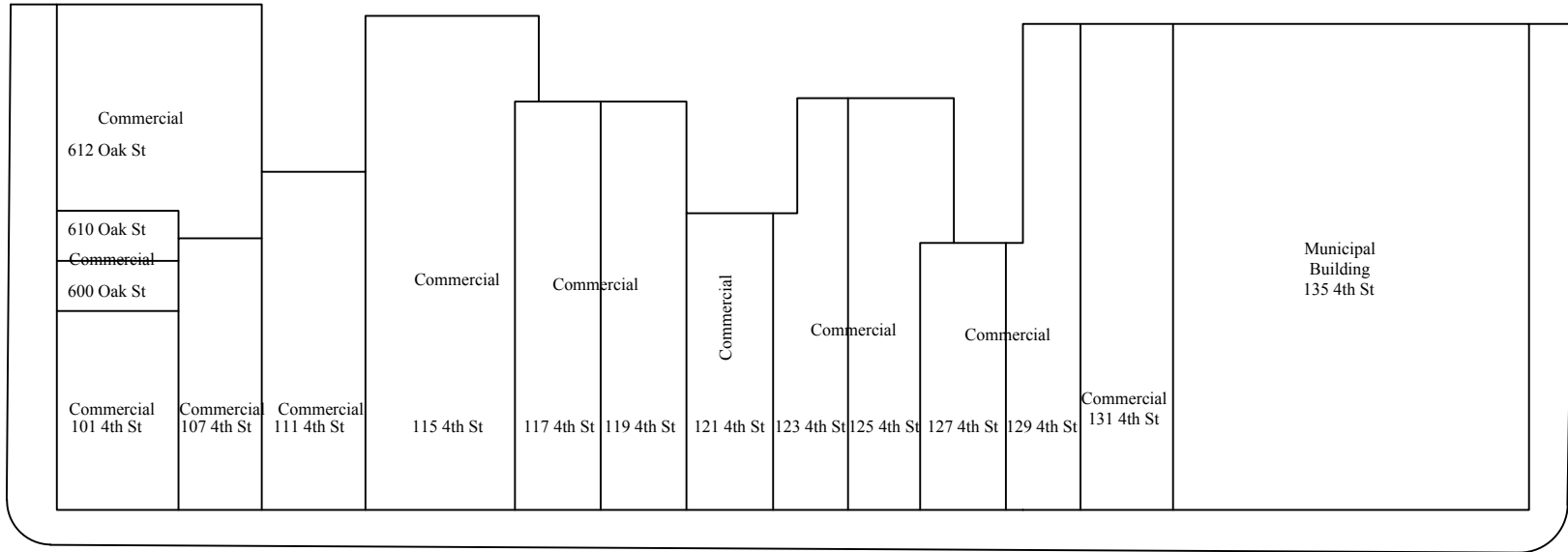
Bolded and orange shaded values are above Public Health Enforcement Standards

Samples/constituents not shown are below laboratory reporting limits

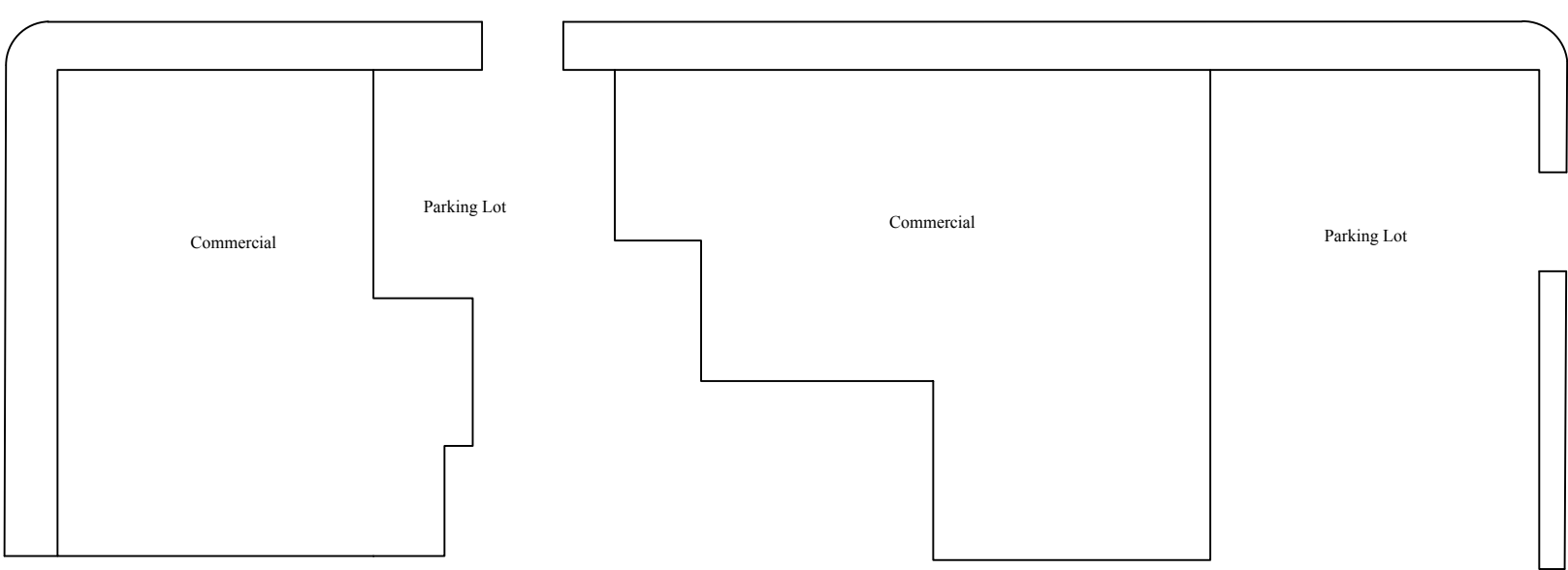
5th Street



Alley



4th Street



APPROXIMATE SCALE: 1" = 50'

Legend

MW3  Monitoring well

No.	Date	Revision	Approved



825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Date:	9/14/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6492-0069

SITE PLAN

Badger Cleaners
616 Oak Street
Baraboo, Wisconsin

Figure	1
Project	6492

Project Name BADGER CLEANERS
Project # 6492 PO#2019-0397

Invoice # E36167

Lab Code 5036167C
Sample ID 6492 MW-3
Sample Matrix Water
Sample Date 5/9/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 2.2	ug/l	2.2	7.1	10	8260B		5/14/2019	CJR	1
Bromobenzene	< 4.4	ug/l	4.4	13.8	10	8260B		5/14/2019	CJR	1
Bromodichloromethane	< 3.3	ug/l	3.3	10.6	10	8260B		5/14/2019	CJR	1
Bromoform	< 4.5	ug/l	4.5	14.4	10	8260B		5/14/2019	CJR	1
tert-Butylbenzene	< 2.5	ug/l	2.5	8	10	8260B		5/14/2019	CJR	1
sec-Butylbenzene	< 7.9	ug/l	7.9	25.3	10	8260B		5/14/2019	CJR	1
n-Butylbenzene	< 7.1	ug/l	7.1	22.5	10	8260B		5/14/2019	CJR	1
Carbon Tetrachloride	< 3.1	ug/l	3.1	9.8	10	8260B		5/14/2019	CJR	1
Chlorobenzene	< 2.6	ug/l	2.6	8.3	10	8260B		5/14/2019	CJR	1
Chloroethane	< 6.1	ug/l	6.1	19.5	10	8260B		5/14/2019	CJR	1
Chloroform	< 2.6	ug/l	2.6	8.2	10	8260B		5/14/2019	CJR	1
Chloromethane	< 5.4	ug/l	5.4	17.2	10	8260B		5/14/2019	CJR	1
2-Chlorotoluene	< 3.1	ug/l	3.1	9.8	10	8260B		5/14/2019	CJR	1
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	10	8260B		5/14/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 29.6	ug/l	29.6	94.3	10	8260B		5/14/2019	CJR	1
Dibromochloromethane	< 2.2	ug/l	2.2	6.9	10	8260B		5/14/2019	CJR	1
1,4-Dichlorobenzene	< 7	ug/l	7	22.2	10	8260B		5/14/2019	CJR	1
1,3-Dichlorobenzene	< 8.5	ug/l	8.5	27	10	8260B		5/14/2019	CJR	1
1,2-Dichlorobenzene	< 8.6	ug/l	8.6	27.4	10	8260B		5/14/2019	CJR	1
Dichlorodifluoromethane	< 3.2	ug/l	3.2	10.2	10	8260B		5/14/2019	CJR	1
1,2-Dichloroethane	< 2.5	ug/l	2.5	7.8	10	8260B		5/14/2019	CJR	1
1,1-Dichloroethane	< 3.6	ug/l	3.6	11.4	10	8260B		5/14/2019	CJR	1
1,1-Dichloroethene	< 4.2	ug/l	4.2	13.4	10	8260B		5/14/2019	CJR	1
cis-1,2-Dichloroethene	< 3.7	ug/l	3.7	11.6	10	8260B		5/14/2019	CJR	1
trans-1,2-Dichloroethene	< 3.4	ug/l	3.4	10.7	10	8260B		5/14/2019	CJR	1
1,2-Dichloropropane	< 4.4	ug/l	4.4	13.9	10	8260B		5/14/2019	CJR	1
1,3-Dichloropropane	< 3	ug/l	3	9.4	10	8260B		5/14/2019	CJR	1
trans-1,3-Dichloropropene	< 3.2	ug/l	3.2	10.1	10	8260B		5/14/2019	CJR	1
cis-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.1	10	8260B		5/14/2019	CJR	1
Di-isopropyl ether	< 2.1	ug/l	2.1	6.6	10	8260B		5/14/2019	CJR	1
EDB (1,2-Dibromoethane)	< 3.4	ug/l	3.4	10.9	10	8260B		5/14/2019	CJR	1
Ethylbenzene	< 2.6	ug/l	2.6	8.3	10	8260B		5/14/2019	CJR	1
Hexachlorobutadiene	< 13.4	ug/l	13.4	42.8	10	8260B		5/14/2019	CJR	1
Isopropylbenzene	< 7.8	ug/l	7.8	24.7	10	8260B		5/14/2019	CJR	1
p-Isopropyltoluene	< 2.4	ug/l	2.4	7.6	10	8260B		5/14/2019	CJR	1
Methylene chloride	< 13.2	ug/l	13.2	42.1	10	8260B		5/14/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.8	ug/l	2.8	8.9	10	8260B		5/14/2019	CJR	1
Naphthalene	< 21	ug/l	21	66.5	10	8260B		5/14/2019	CJR	1
n-Propylbenzene	< 6.1	ug/l	6.1	19.5	10	8260B		5/14/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 3	ug/l	3	9.7	10	8260B		5/14/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 3.5	ug/l	3.5	11.3	10	8260B		5/14/2019	CJR	1
Tetrachloroethene	1170	ug/l	3.8	12.1	10	8260B		5/14/2019	CJR	1
Toluene	< 1.9	ug/l	1.9	6	10	8260B		5/14/2019	CJR	1
1,2,4-Trichlorobenzene	< 11.5	ug/l	11.5	36.7	10	8260B		5/14/2019	CJR	1

Project Name BADGER CLEANERS
Project # 6492 PO#2019-0397

Invoice # E36167

Lab Code 5036167C
Sample ID 6492 MW-3
Sample Matrix Water
Sample Date 5/9/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 17.1	ug/l	17.1	54.3	10	8260B		5/14/2019	CJR	1
1,1,1-Trichloroethane	< 3.3	ug/l	3.3	10.5	10	8260B		5/14/2019	CJR	1
1,1,2-Trichloroethane	< 4.2	ug/l	4.2	13.2	10	8260B		5/14/2019	CJR	1
Trichloroethene (TCE)	< 3	ug/l	3	9.4	10	8260B		5/14/2019	CJR	1
Trichlorofluoromethane	< 3.5	ug/l	3.5	11	10	8260B		5/14/2019	CJR	1
1,2,4-Trimethylbenzene	< 8	ug/l	8	25.5	10	8260B		5/14/2019	CJR	1
1,3,5-Trimethylbenzene	< 6.3	ug/l	6.3	20	10	8260B		5/14/2019	CJR	1
Vinyl Chloride	< 2	ug/l	2	6.5	10	8260B		5/14/2019	CJR	1
m&p-Xylene	< 4.3	ug/l	4.3	13.8	10	8260B		5/14/2019	CJR	1
o-Xylene	< 2.9	ug/l	2.9	9.3	10	8260B		5/14/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			10	8260B		5/14/2019	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			10	8260B		5/14/2019	CJR	1
SUR - Dibromofluoromethane	110	REC %			10	8260B		5/14/2019	CJR	1
SUR - Toluene-d8	99	REC %			10	8260B		5/14/2019	CJR	1

CHAIN OF CUSTODY RECORD



Environmental Lab, Inc.

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

Chain # **N^o 303**
Page 1 of 6

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

Lab I.D. # _____ Quote No.: _____
Account No.: _____
Project #: 6492
Sampler: (signature) [Signature]
Project (Name / Location): Budger Cleaners / Baraboo, WI
Reports To: R. Horeman / K. Heinsted / NW Ind. Invoice To: _____
Company: Enviroforensics Company: _____
Address: 116 W 23390 Stone Ridge Dr. Address: _____
City/State/Zip: Wichota, WI 53186 City/State/Zip: _____
Phone: 612-616-7450 Phone: _____
FAX: _____ FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	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-RCRA METALS	Other Analysis	
<u>5036167A</u>	<u>6492-AW-1</u>	<u>5-9</u>	<u>1325</u>		<input checked="" type="checkbox"/>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>													<input checked="" type="checkbox"/>			
<u>B</u>	<u>6492-AW-2</u>	<u>5-9</u>	<u>1235</u>																						
<u>C</u>	<u>6492-AW-3</u>	<u>5-9</u>	<u>1620</u>																						
<u>D</u>	<u>6492-AW-4</u>	<u>5-9</u>	<u>1055</u>																						
<u>E</u>	<u>6492-P2-1</u>	<u>5-9</u>	<u>1145</u>																						
<u>F</u>	<u>6492-P2-2</u>	<u>5-9</u>	<u>1015</u>																						
<u>G</u>	<u>6492-AW-9</u>	<u>5-9</u>	<u>750</u>																						
<u>H</u>	<u>6492-P2-7A</u>	<u>5-9</u>	<u>1650</u>																						
<u>I</u>	<u>6492-P2-7C</u>	<u>5-9</u>	<u>1140</u>																						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
POH 2019-0397

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

Relinquished By: (sign) [Signature] Time: 1040 Date: 5-19-17
Received in Laboratory By: [Signature] Time: 1054 Date: 5-19-17