



REC'D FEB 15 2017

February 1, 2017

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Stephanie Espinoza  
5233 40<sup>th</sup> Ave  
Kenosha, WI 53142

**Subject: Environmental Investigation Sampling Results  
BRRTS#: 02-30-552186**

Dear Ms. Espinoza:

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 laboratory testing of an environmental sample collected from your property located at 5233 40<sup>th</sup> Avenue in Kenosha, Wisconsin. The sample was collected on January 19, 2017. The sampling activities are part of an environmental investigation being performed for the Martino's Master Drycleaner facility located at 3917 52<sup>nd</sup> Street in Kenosha, WI 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:

Martino's Master Drycleaners  
3917 52<sup>nd</sup> Street  
Kenosha, WI  
262-694-7545

### **Sampling Results**

One (1) groundwater sample designated 6190-MW-7 was collected from groundwater monitoring well MW-7. The location of the groundwater monitoring well is shown on the attached **Figure 1**. The results of the groundwater sample are summarized and compared to WDNR standards on the attached **Table 1**. An excerpt from the laboratory report that relates to the groundwater sample is also attached.

As shown on **Table 1**, groundwater sample 6190-MW-7 contained cis-1,2-dichloroethene at a concentration less than the applicable standard. No other chemicals of concern were detected in the groundwater sample.

We will contact you to schedule additional sampling events, if needed. If you have any questions or concerns, please contact us at 262-290-4001 or by email at [bkappen@enviroforensics.com](mailto:bkappen@enviroforensics.com). The WDNR project manager, Doug Cieslak, can be reached at 262-574-2182. We greatly appreciate your help and patience with this matter.

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

A handwritten signature in blue ink, appearing to read "Brian Kappen".

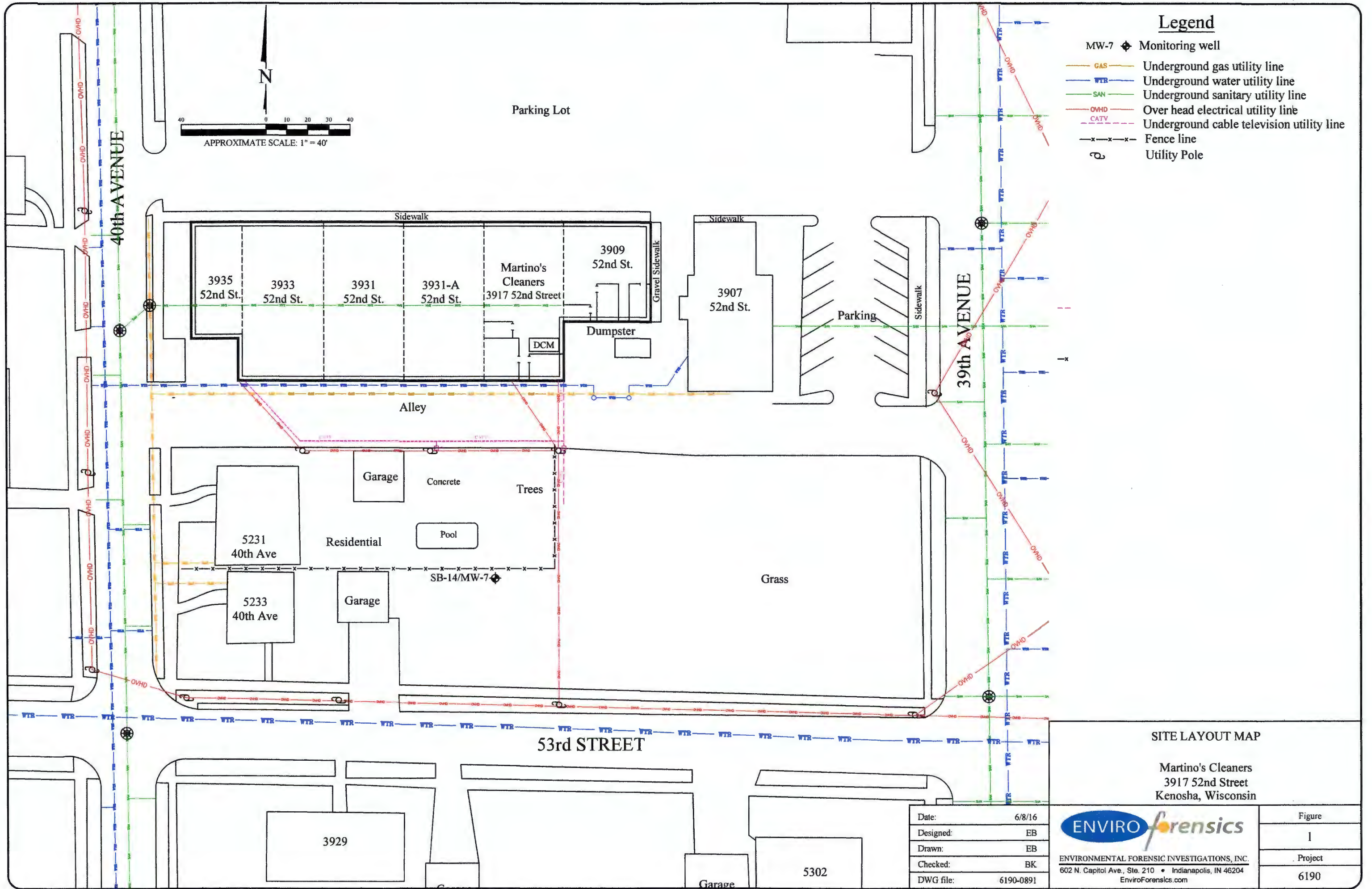
Brian Kappen, PG  
*Project Manager*

A handwritten signature in blue ink, appearing to read "Rob Hoverman".

Rob Hoverman, PG  
*Senior Project Manager*

Copy: Doug Cieslak, Wisconsin Department of Natural Resources

Attachments: Figure 1 - Sample Location Map  
Table 1 - Groundwater Sample Results Summary  
Analytical Laboratory Report Excerpt



**SITE LAYOUT MAP**

Martino's Cleaners  
3917 52nd Street  
Kenosha, Wisconsin

Date:	6/8/16
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6190-0891

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

Figure	1
Project	6190



**Table 1**  
**Groundwater Sample Results Summary - 5233 40th Avenue**  
 Martino's 52nd Street  
 Kenosha, Wisconsin

Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Chloroform
<b>Enforcement Standard</b>		<b>5</b>	<b>5</b>	<b>70</b>	<b>100</b>	<b>6</b>
<b>Preventive Action Limit</b>		<b>0.5</b>	<b>0.5</b>	<b>7</b>	<b>20</b>	<b>0.6</b>
MW-7	10/24/2014	<b>0.46 J</b>	<b>0.48 J</b>	2.24	<0.35	<b>3.8</b>
	12/9/2014	<b>0.67 J</b>	<b>0.63 J</b>	1.99	<b>0.39 J</b>	<b>1.75</b>
	3/17/2015	<0.74	<0.47	2.44	<0.54	<0.17
	6/17/2015	<0.74	<b>0.58 J</b>	4.9	<0.54	<b>5.9</b>
	9/16/2015	<0.49	<0.47	<b>2.95</b>	<0.54	<b>0.96 J</b>
	12/3/2015	<0.49	<0.47	<b>1.65</b>	<0.54	<b>0.74 J</b>
	2/23/2016	<b>0.50 J</b>	<0.47	<b>9.3</b>	<0.54	<b>0.75 J</b>
	9/19/2016	<0.49	<0.47	<b>4.6</b>	<0.54	<0.17
1/19/2017	<0.48	<0.45	<b>2.81</b>	<0.35	<b>1.04 J</b>	

**Notes:**

Samples analyzed for VOCs according to EPA Method 8260

Only detected compounds are listed

All concentrations reported in micrograms per liter (µg/L)

**Bolded** values are above method detection limits

**Bolded** and blue shaded values are above Public Health Preventive Action Limit

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

Project Name MARTINO'S CLEANERS 52ND STREET  
 Project # 6190 PO#2017109

Invoice # E32387

Lab Code 5032387D  
 Sample ID 6190-MW-7  
 Sample Matrix Water  
 Sample Date 1/19/2017

	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		1/27/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		1/27/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		1/27/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		1/27/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		1/27/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		1/27/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		1/27/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		1/27/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		1/27/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		1/27/2017	CJR	1
Chloroform	1.04 "J"	ug/l	0.96	3.04	1	8260B		1/27/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		1/27/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		1/27/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		1/27/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		1/27/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		1/27/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		1/27/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		1/27/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		1/27/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		1/27/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		1/27/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		1/27/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		1/27/2017	CJR	1
cis-1,2-Dichloroethene	2.81	ug/l	0.41	1.29	1	8260B		1/27/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		1/27/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		1/27/2017	CJR	1
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.49	1	8260B		1/27/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		1/27/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		1/27/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/27/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		1/27/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		1/27/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		1/27/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		1/27/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		1/27/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		1/27/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		1/27/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		1/27/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		1/27/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		1/27/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		1/27/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		1/27/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		1/27/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		1/27/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		1/27/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		1/27/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		1/27/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		1/27/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		1/27/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		1/27/2017	CJR	1

**Project Name** MARTINO'S CLEANERS 52ND STREET  
**Project #** 6190 PO#2017109

**Invoice #** E32387

**Lab Code** 5032387D  
**Sample ID** 6190-MW-7  
**Sample Matrix** Water  
**Sample Date** 1/19/2017

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		1/27/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		1/27/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		1/27/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		1/27/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		1/27/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		1/27/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		1/27/2017	CJR	1

