ENVIRO forensics

REC'D JAN 29 2014

January 20, 2014

Carmelo Tenuta
Double D Two Investments, LLC
9687 42nd Ct
Pleasant Prairie, Wisconsin 53158

REC'D JAN 29 2014
D.C.

Subject: **Soil and Groundwater Sampling Results**
4003 75th St, Kenosha, Wisconsin

Dear Mr. Tenuta:

In accordance with the executed Agreement to Provide Access for Sampling Activities, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the attached sampling results. Soil and groundwater samples were collected from the 4003 75th Street, Kenosha, Wisconsin on December 2 and December 3, 2013. The sampling activities are part of an environmental investigation being performed at the Martino's Master Dry Cleaners (Martino's) facility located at 7513 41st Avenue in Kenosha, Wisconsin at the direction of the Wisconsin Department of Natural Resources (WDNR) pursuant to the authority granted to it under State and Federal law. The WDNR has assigned the following identification to the Martino's facility: BRRTS# 02-30-552188. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethylene (PCE) and its associated breakdown products.

Soil and Groundwater Sampling Results

One (1) soil sample designated 6165-MW-8-7' was collected from boring MW-8 at a depth of 7 feet below ground surface. Boring MW-8 is located in the southwest part of the property as depicted on **Figure 1**. The sample was analyzed for volatile organic compounds (VOCs). The results of soil samples are summarized and compared to WDNR standards on the attached **Table 1**. An excerpt of the laboratory report that relates to the MW-8 soil sample is also attached. As shown on **Table 1**, several VOCs were detected in the soil sample, including benzene, ethylbenzene, trimethylbenzenes, and xylenes. The following compounds were detected at concentrations exceeding WDNR standards: benzene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes. The compounds detected in the soil sample are unrelated to dry cleaning solvent.

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

One (1) groundwater sample (6165-MW-8) was collected from monitoring well MW-8 and analyzed for VOCs. The results of the groundwater sample are summarized and compared to WDNR standards on the attached **Table 2**. An excerpt of the laboratory report that relates to the MW-8 groundwater sample is also attached.

As shown on **Table 2**, sample MW-8 contained several VOCs above laboratory detection limits. Benzene was detected at a concentration of 25.8 ug/L, which is above the enforcement standard of 5 ug/L. Naphthalene was detected at a concentration of 12.1 ug/L, which is above the preventive action limit of 10 ug/L. The compounds detected in the groundwater sample are unrelated to dry cleaning solvent.

Groundwater samples will be collected from monitoring well MW-8 on a quarterly basis during 2014. The sampling results associated with each quarterly sampling event will be provided to you. We will contact you to discuss additional investigation work, if any. If you have any questions or concerns, please contact me at 414-326-4412 or by email at bkappen@enviroforensics.com. The WDNR project manager, Doug Cieslak, can be reached at 262-884-2344. We greatly appreciate your help and patience with this matter.

Sincerely,
Environmental Forensic Investigations, Inc.

Brian Kappen, PG
Project Manager

Attachments: Soil and Groundwater Analytical Results Summary Tables
Monitoring Well Location Map
Analytical Report for Soil and Groundwater Samples

Copy: Ted Warpinski, Friebert, Finnerty, and St. Johns, S.C.
Doug Cieslak, Wisconsin Department of Natural Resources

Table 1

Summary of Soil Analytical Results

4003 75th Street, Kenosha, Wisconsin

Martino's Master Dry Cleaners

7513 41st Avenue, Kenosha, Wisconsin

Boring Identification	Sample Depth (feet)	Sample Date	Benzene	sec-Butylbenzene	n-Butylbenzene	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	n-propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Total Xylenes
MW-8	7	12/2/2013	**390**	**153**	**410**	**760**	**570**	**62 J**	**2,200**	**8,600**	**3,010**	**43 J**	**9,234**
Industrial RCL [1]			**7,410**	**145,000**	**108,000**	**37,000**	**268,000**	**162,000**	**264,000**	**219,000**	**182,000**	**45,000,000**	**388,000**
Non-Industrial RCL [1]			**1,490**	**145,000**	**108,000**	**7,470**	**268,000**	**162,000**	**264,000**	**89,800**	**182,000**	**5,000,000**	**388,000**
Soil to Goundwater RCL [1]			**5.1**	**N.E.**	**N.E.**	**1,570**	**1,270**	**N.E.**	**1,970**	**1,390**	**1,380**	**860**	**3,940**

Notes:

[1] Residual Contaminant Levels calculated according to the procedures described in WDNR Publication RR-890

Only detected compounds are listed

All concentrations reported in micrograms per kilogram µg/kg

Samples analyzed using EPA SW-846 Method 8260

Bolded values are above Laboratory Detection Limits

Bolded and Orange Shaded value indicates an exceedance of the Industrial Residual Contaminant Level

Bolded and Green Shaded value indicates an exceedance of the Non-Industrial Residual Contaminant Level

Bolded and Blue Shaded value indicates an exceedance of the Soil to Groundwater Residual Contaminant Level

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

N.E. = Not Established

RCL = Residual Contaminant Level

Table 2

Summary of Groundwater Analytical Results
4003 75th Street, Kenosha, Wisconsin
Martino's Master Dry Cleaners
7513 41st Street, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Benzene	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes
MW-8	12/17/2013	**25.8**	**0.81 J**	**0.51 J**	**8.8**	**4.4**	**12.1**	**16**	**2.06 J**	**5.3 J**	**2.63 J**	**25.4**
Public Health Enforcement Standard		**5**	**NE**	**NE**	**700**	**NE**	**100**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**NE**	**NE**	**140**	**NE**	**10**	**NE**	**200**	**96**	**96**	**1,000**

Notes:

All concentrations reported in micrograms per liter µg/l

Samples analyzed using EPA SW-846 Method 8260

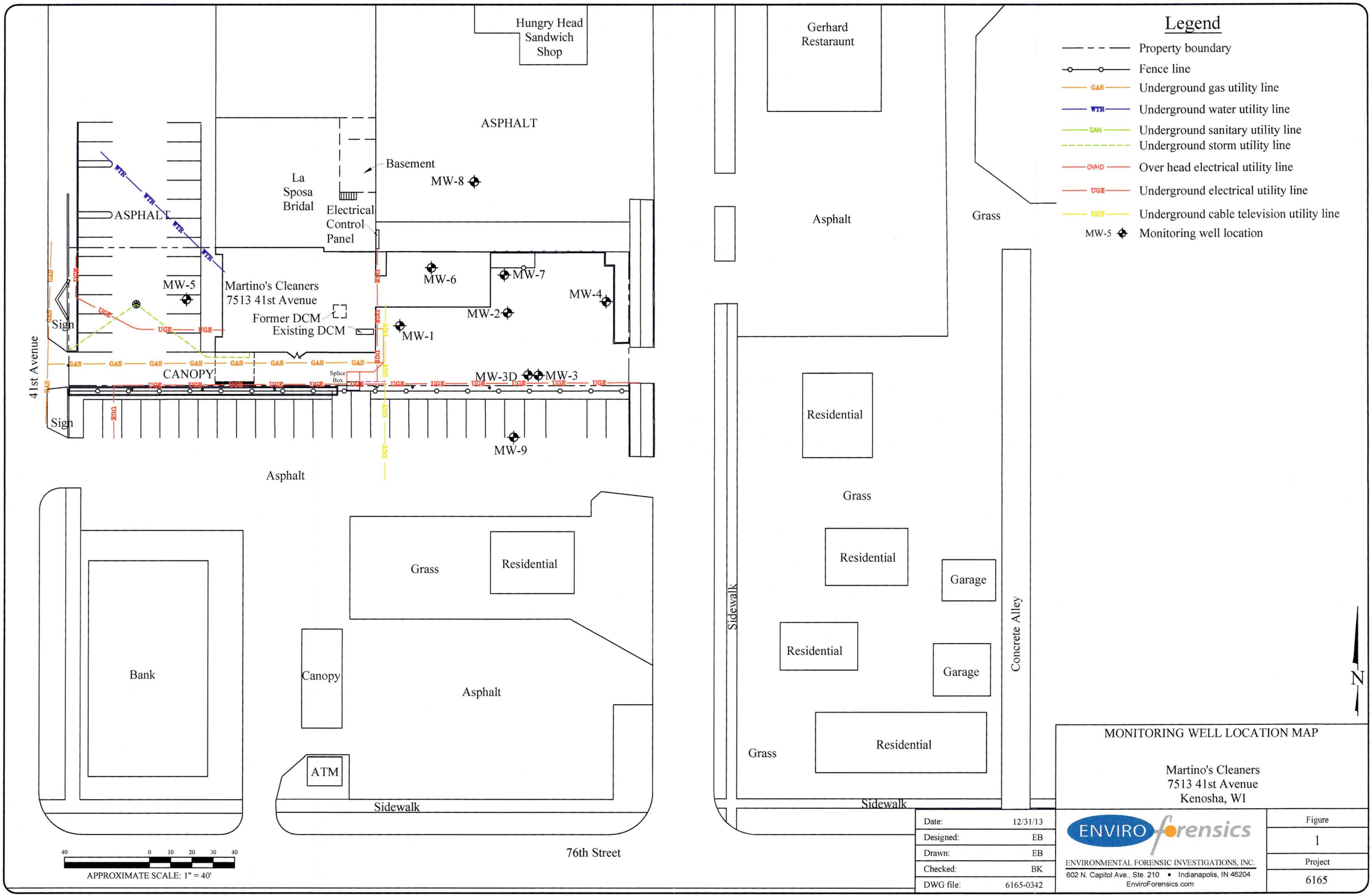
Bolded values are above detection limits

Bolded and Orange Shaded values indicates an exceedance of the Public Health Enforcement Standard

Bolded and Blue Shaded values indicates an exceedance the Public Health Preventive Action Limit

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

NE = Not Established



MONITORING WELL LOCATION MAP

Martino's Cleaners
7513 41st Avenue
Kenosha, WI

Date:	12/31/13
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6165-0342

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

Figure	1
Project	6165

Project Name MARTINO'S 41ST **Invoice #** E26232
Project # 6165

Lab Code 5026232I
Sample ID 6165-MW-8-7'
Sample Matrix Soil
Sample Date 12/2/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.0	%			1	5021		12/9/2013	MDK	1
Organic										
VOC's										
Benzene	390	ug/kg	9.2	29	1	8260B		12/9/2013	CJR	1
Bromobenzene	< 13	ug/kg	13	40	1	8260B		12/9/2013	CJR	1
Bromodichloromethane	< 27	ug/kg	27	85	1	8260B		12/9/2013	CJR	1
Bromoform	< 30	ug/kg	30	95	1	8260B		12/9/2013	CJR	1
tert-Butylbenzene	< 20	ug/kg	20	64	1	8260B		12/9/2013	CJR	1
sec-Butylbenzene	153	ug/kg	41	132	1	8260B		12/9/2013	CJR	1
n-Butylbenzene	410	ug/kg	26	82	1	8260B		12/9/2013	CJR	1
Carbon Tetrachloride	< 25	ug/kg	25	79	1	8260B		12/9/2013	CJR	1
Chlorobenzene	< 16	ug/kg	16	52	1	8260B		12/9/2013	CJR	1
Chloroethane	< 42	ug/kg	42	133	1	8260B		12/9/2013	CJR	1
Chloroform	< 49	ug/kg	49	157	1	8260B		12/9/2013	CJR	1
Chloromethane	< 181	ug/kg	181	577	1	8260B		12/9/2013	CJR	1
2-Chlorotoluene	< 16	ug/kg	16	52	1	8260B		12/9/2013	CJR	1
4-Chlorotoluene	< 14	ug/kg	14	43	1	8260B		12/9/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 48	ug/kg	48	154	1	8260B		12/9/2013	CJR	1
Dibromochloromethane	< 14	ug/kg	14	45	1	8260B		12/9/2013	CJR	1
1,4-Dichlorobenzene	< 33	ug/kg	33	103	1	8260B		12/9/2013	CJR	1
1,3-Dichlorobenzene	< 30	ug/kg	30	95	1	8260B		12/9/2013	CJR	1
1,2-Dichlorobenzene	< 38	ug/kg	38	122	1	8260B		12/9/2013	CJR	1
Dichlorodifluoromethane	< 57	ug/kg	57	182	1	8260B		12/9/2013	CJR	1
1,2-Dichloroethane	< 36	ug/kg	36	114	1	8260B		12/9/2013	CJR	1
1,1-Dichloroethane	< 19	ug/kg	19	60	1	8260B		12/9/2013	CJR	1
1,1-Dichloroethene	< 21	ug/kg	21	66	1	8260B		12/9/2013	CJR	1
cis-1,2-Dichloroethene	< 24	ug/kg	24	77	1	8260B		12/9/2013	CJR	1
trans-1,2-Dichloroethene	< 29	ug/kg	29	93	1	8260B		12/9/2013	CJR	1
1,2-Dichloropropane	< 9.5	ug/kg	9.5	30	1	8260B		12/9/2013	CJR	1
2,2-Dichloropropane	< 46	ug/kg	46	148	1	8260B		12/9/2013	CJR	2 8
1,3-Dichloropropane	< 21	ug/kg	21	68	1	8260B		12/9/2013	CJR	1
Di-isopropyl ether	< 11	ug/kg	11	34	1	8260B		12/9/2013	CJR	1
EDB (1,2-Dibromoethane)	< 20	ug/kg	20	64	1	8260B		12/9/2013	CJR	1
Ethylbenzene	760	ug/kg	10	33	1	8260B		12/9/2013	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	304	1	8260B		12/9/2013	CJR	1
Isopropylbenzene	570	ug/kg	25	80	1	8260B		12/9/2013	CJR	1
p-Isopropyltoluene	62 "J"	ug/kg	31	98	1	8260B		12/9/2013	CJR	1
Methylene chloride	< 57	ug/kg	57	182	1	8260B		12/9/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 30	ug/kg	30	96	1	8260B		12/9/2013	CJR	1
Naphthalene	< 114	ug/kg	114	363	1	8260B		12/9/2013	CJR	1
n-Propylbenzene	2200	ug/kg	24	75	1	8260B		12/9/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 12	ug/kg	12	38	1	8260B		12/9/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 23	ug/kg	23	74	1	8260B		12/9/2013	CJR	1
Tetrachloroethene	< 49	ug/kg	49	157	1	8260B		12/9/2013	CJR	1
Toluene	43 "J"	ug/kg	20	65	1	8260B		12/9/2013	CJR	1
1,2,4-Trichlorobenzene	< 79	ug/kg	79	251	1	8260B		12/9/2013	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	411	1	8260B		12/9/2013	CJR	1
1,1,1-Trichloroethane	< 38	ug/kg	38	120	1	8260B		12/9/2013	CJR	1
1,1,2-Trichloroethane	< 23	ug/kg	23	74	1	8260B		12/9/2013	CJR	1
Trichloroethene (TCE)	< 28	ug/kg	28	88	1	8260B		12/9/2013	CJR	1
Trichlorofluoromethane	< 86	ug/kg	86	273	1	8260B		12/9/2013	CJR	1
1,2,4-Trimethylbenzene	8600	ug/kg	26	81	1	8260B		12/9/2013	CJR	1
1,3,5-Trimethylbenzene	3010	ug/kg	26	84	1	8260B		12/9/2013	CJR	1
Vinyl Chloride	< 21	ug/kg	21	66	1	8260B		12/9/2013	CJR	1
m&p-Xylene	9100	ug/kg	68	216	1	8260B		12/9/2013	CJR	1
o-Xylene	134	ug/kg	31	98	1	8260B		12/9/2013	CJR	1

Project Name MARTINO'S 41ST
Project # 6165

Invoice # E26232

Lab Code 5026232I
Sample ID 6165-MW-8-7'
Sample Matrix Soil
Sample Date 12/2/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/9/2013	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		12/9/2013	CJR	1
SUR - Dibromofluoromethane	98	Rec %			1	8260B		12/9/2013	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		12/9/2013	CJR	1

Project Name KENOSHA, MARTINO'S 41ST **Invoice #** E26318
Project # 6165

Lab Code 5026318I
Sample ID 6165-MW-8
Sample Matrix water
Sample Date 12/17/2013

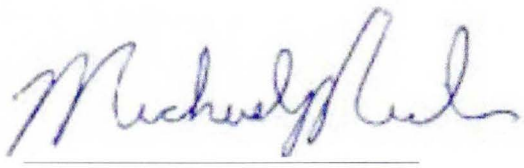
	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	25.8	ug/l	0.24	0.77	1	8260B		12/24/2013	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		12/24/2013	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		12/24/2013	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		12/24/2013	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/24/2013	CJR	1
sec-Butylbenzene	0.51 "J"	ug/l	0.33	1	1	8260B		12/24/2013	CJR	1
n-Butylbenzene	0.81 "J"	ug/l	0.35	1.1	1	8260B		12/24/2013	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		12/24/2013	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		12/24/2013	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		12/24/2013	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		12/24/2013	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		12/24/2013	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		12/24/2013	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		12/24/2013	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		12/24/2013	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		12/24/2013	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/24/2013	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		12/24/2013	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/24/2013	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		12/24/2013	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		12/24/2013	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/24/2013	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		12/24/2013	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		12/24/2013	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		12/24/2013	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		12/24/2013	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		12/24/2013	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		12/24/2013	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		12/24/2013	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		12/24/2013	CJR	1
Ethylbenzene	8.8	ug/l	0.55	1.7	1	8260B		12/24/2013	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		12/24/2013	CJR	1
Isopropylbenzene	4.4	ug/l	0.3	0.96	1	8260B		12/24/2013	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/24/2013	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		12/24/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		12/24/2013	CJR	1
Naphthalene	12.1	ug/l	1.7	5.5	1	8260B		12/24/2013	CJR	1
n-Propylbenzene	16	ug/l	0.25	0.81	1	8260B		12/24/2013	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		12/24/2013	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		12/24/2013	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		12/24/2013	CJR	1
Toluene	2.06 "J"	ug/l	0.69	2.2	1	8260B		12/24/2013	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		12/24/2013	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		12/24/2013	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		12/24/2013	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		12/24/2013	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		12/24/2013	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		12/24/2013	CJR	4 8
1,2,4-Trimethylbenzene	5.3 "J"	ug/l	2.2	6.9	1	8260B		12/24/2013	CJR	1
1,3,5-Trimethylbenzene	2.63 "J"	ug/l	1.4	4.5	1	8260B		12/24/2013	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		12/24/2013	CJR	1
m&p-Xylene	20.3	ug/l	0.69	2.2	1	8260B		12/24/2013	CJR	1
o-Xylene	5.1	ug/l	0.63	2	1	8260B		12/24/2013	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/24/2013	CJR	1
SUR - 4-Bromofluorobenzene	121	REC %			1	8260B		12/24/2013	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		12/24/2013	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		12/24/2013	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.
2	Relative percent difference failed for laboratory spiked samples.
4	The continuing calibration standard not within established 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



CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 2641

Page 1 of 1

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

Lab I.D. #

Account No. | Quote No.:

Project #: 6165

Sampler: (signature)

Project (Name / Location): Martino's 4/St Menomonee WI

Reports To:	Invoice To:
B. Koppen	
Company Enviroforensics	Company
Address N16 W23390 Stone Ridge Dr. Suite G	Address
City State Zip Waukesha WI 53188	City State Zip
Phone 317-972-7870	Phone
FAX 262-510-0460	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection 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)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS										PID/ FID
502632A	6165-SB-14-13'	12/3	840		X	N	3	GW													X											
B	6165-SB-15-13'	12/3	915		X	N	3	GW													X											
C	6165-SB-16-13'	12/3	935		X	N	3	GW													X											
D	6165-SB-17-13'	12/3	1000		X	N	3	GW													X											
E	6165-SB-18-14'	12/3	1100		X	N	3	GW													X											
F	6165-SB-19-14'	12/3	1125		X	N	3	GW													X											
G	6165-SB-20-12'	12/3	1155		X	N	3	GW													X											
H	6165-Dup-1	12/3	-		X	N	3	GW													X											
I	6165-MW-8-7'	12/2	930		X		2	S													X											
J	Trip Blank	12/3					1														X											

Analysis Requested | **Other Analysis**

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: Sal

Temp. of Temp. Blank ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1317	12/5/13		13:18	12/5/13

Received in Laboratory By: Christopher Ross Time: 11:30 Date: 12/6/13