

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

<http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>

Section GI - General Site Information

A. General Information

1. Site name

One Hour Martinizing - Oconomowoc

2. Reporting period from: 07/01/2018 To: 12/31/2018 Days in period: 184

3. Regulatory agency (enter DNR, DATCP and/or other) 4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
 DNR 02-68-551911

5. Site location

Region	County	Address					
Southeast Region	Waukesha	36929 Plank Road					
Municipality name	<input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼	¼ ¼
Oconomowoc Lake		07 N	17		3	NW	NW

6. Responsible party 7. Consultant

Name	<input type="checkbox"/> Select if the following information has changed since the last submittal		
Brian Cass	Company name		
Mailing address	EnviroForensics, LLC		
W229 N2494 County Road F, Waukesha, WI 53186	Mailing address	Phone number	
Phone number	N16 W23390 Stone Ridge Dr. Suite G	(262) 290-4001	
(262) 521-9710			

8. Contaminants

PCE

9. Soil types (USCS or USDA)

Silty Sand

10. Hydraulic conductivity(cm/sec): 0.02 11. Average linear velocity of groundwater (ft/yr) 355

12. If soil is treated ex situ, is the treatment location off site? Yes No

If yes, give location: Region _____ County _____

Municipality name	<input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input type="radio"/> E <input checked="" type="radio"/> W	Section	¼	¼ ¼
		N					

Site name: One Hour Martinizing - Oconomowoc

Reporting period from: 07/01/2018 To: 12/31/2018

Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? Yes No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness Yes No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time? Yes No

4. Is closure sampling warranted at this time? Yes No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No

If yes, explain:

D. Economic and Cost Data to Date

1. Total investigation cost: \$411,100.00

2. Implementation costs (design, capital and installation costs, excluding investigation costs): \$459,584.00

3. Total costs during the previous reporting period: \$55,100.00

4. Total costs during this reporting period: \$287,465.00

5. Total anticipated costs for the next reporting period: \$35,000.00

6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No

If yes, explain:

The costs presented in D.2. and D.4. include a one-time injection of groundwater treatment solutions.

7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

Site name: One Hour Martinizing - Oconomowoc
Reporting period from: 07/01/2018 To: 12/31/2018
Days in period: 184

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Andrew Horwath	Senior Engineer
Signature	Date

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Wayne Fassbender	Project Manager
Signature <i>Wayne Fassbender</i>	Date 2/26/19

Scientists:

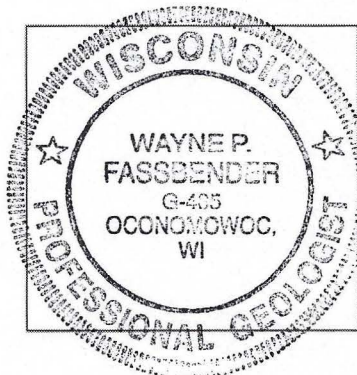
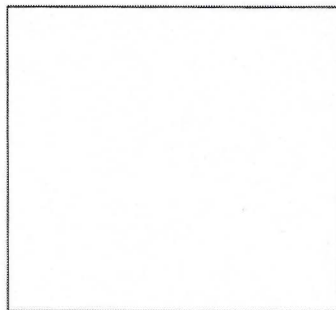
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Other Persons:

Print name	Title
Signature	Date

Professional Seal(s), if applicable:



Site name: One Hour Martinizing - Oconomowoc

Reporting period from: 07/01/2018 To: 12/31/2018

Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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Section GW-4, Other Groundwater Remediation Methods

A. Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a.

a. Contaminant: PCE

b. Percent reduction necessary: 90.7 %

c. Maximum contaminant concentration level in any monitoring well: 54 $\mu\text{g/L}$

2. Is the size of the plume: Increasing Stabalized Decreasing ?

3. Describe the method used to remediate groundwater at the site:

A groundwater reducing agent along with an electron donor and specific microbes capable of degrading chlorinated solvents were injected into the groundwater on a grid system over the area of groundwater impacts in June 18-29, 2018. Groundwater sampling since that time has shown reduction in PCE and production of reducing conditions within the aquifer near the most contaminated area of groundwater impacts. This has resulted in the production of daughter products of de-halogenation such as trichloroethene, cis-1,2-dichloroethene, and vinyl chloride. Further post-remedial groundwater sampling is needed to assess the continuation of the de-halogenation process.

4. List any additional information required by the DNR for this method for this site:

An injection permit request dated March 2, 2018 was submitted to the DNR and approved on March 16, 2018. In addition, a Remedial Action Implementation Report, dated July 30, 2018 was submitted to the DNR to satisfy reporting requirements in Wisconsin Administrative Code, Chapter NR 724.

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- Any other attachments required by the DNR for this remediation method.

Site name: One Hour Martinizing - Oconomowoc

Reporting period from: 07/01/2018 To: 12/31/2018

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Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: 2

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
149.5

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
81.2 %

4. Average depth to groundwater: 27.02 gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: _____

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: _____

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: 0.018 pounds per day

2. Average contaminant removal rate per well or venting point: 0.009 pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

i. Oxygen levels in extracted air: _____ percent

ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain: _____

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

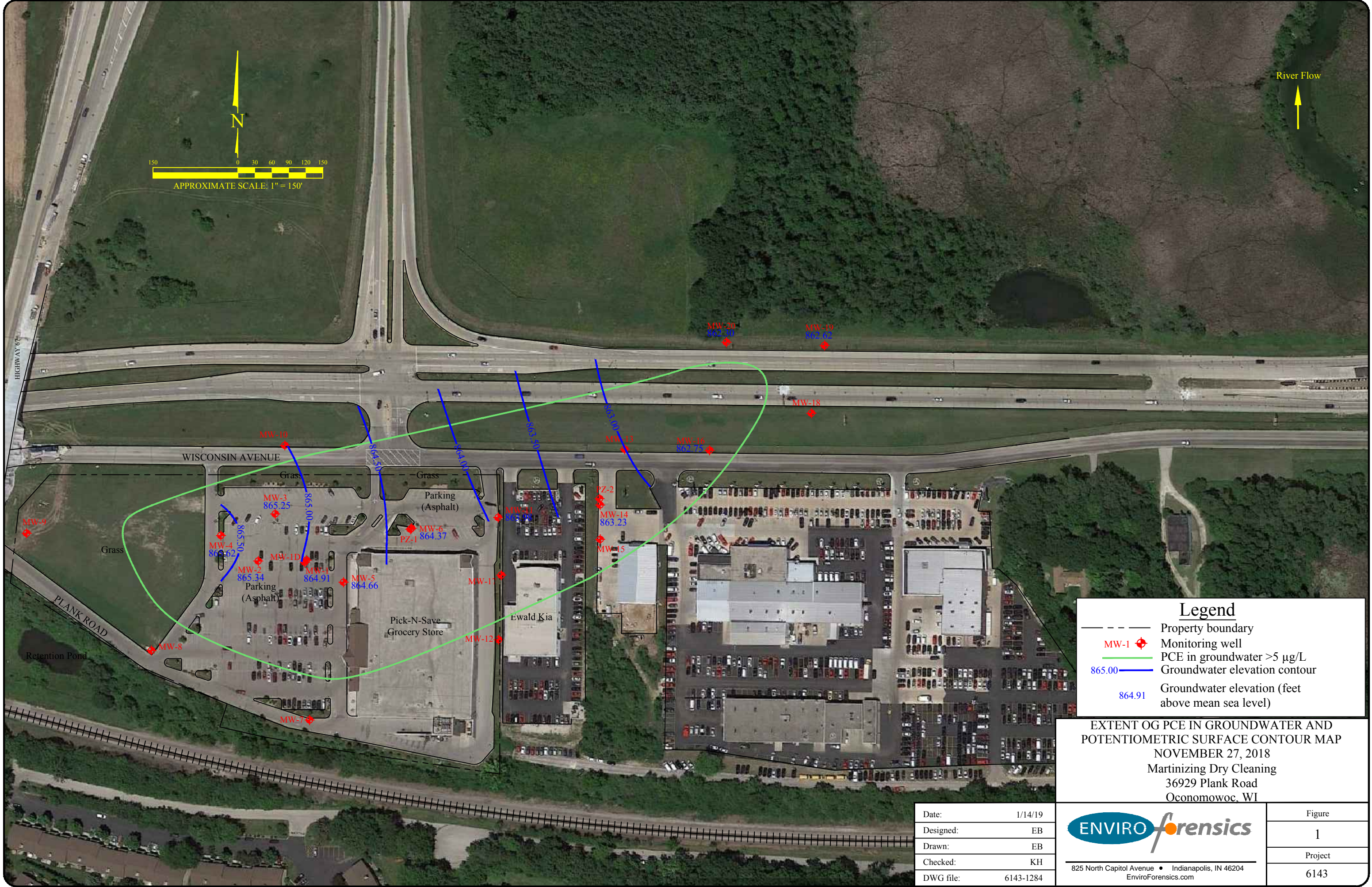
b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.



Legend

- Property boundary
- MW-1 Monitoring well
- PCE in groundwater >5 µg/L
- 865.00 Groundwater elevation contour
- 864.91 Groundwater elevation (feet above mean sea level)

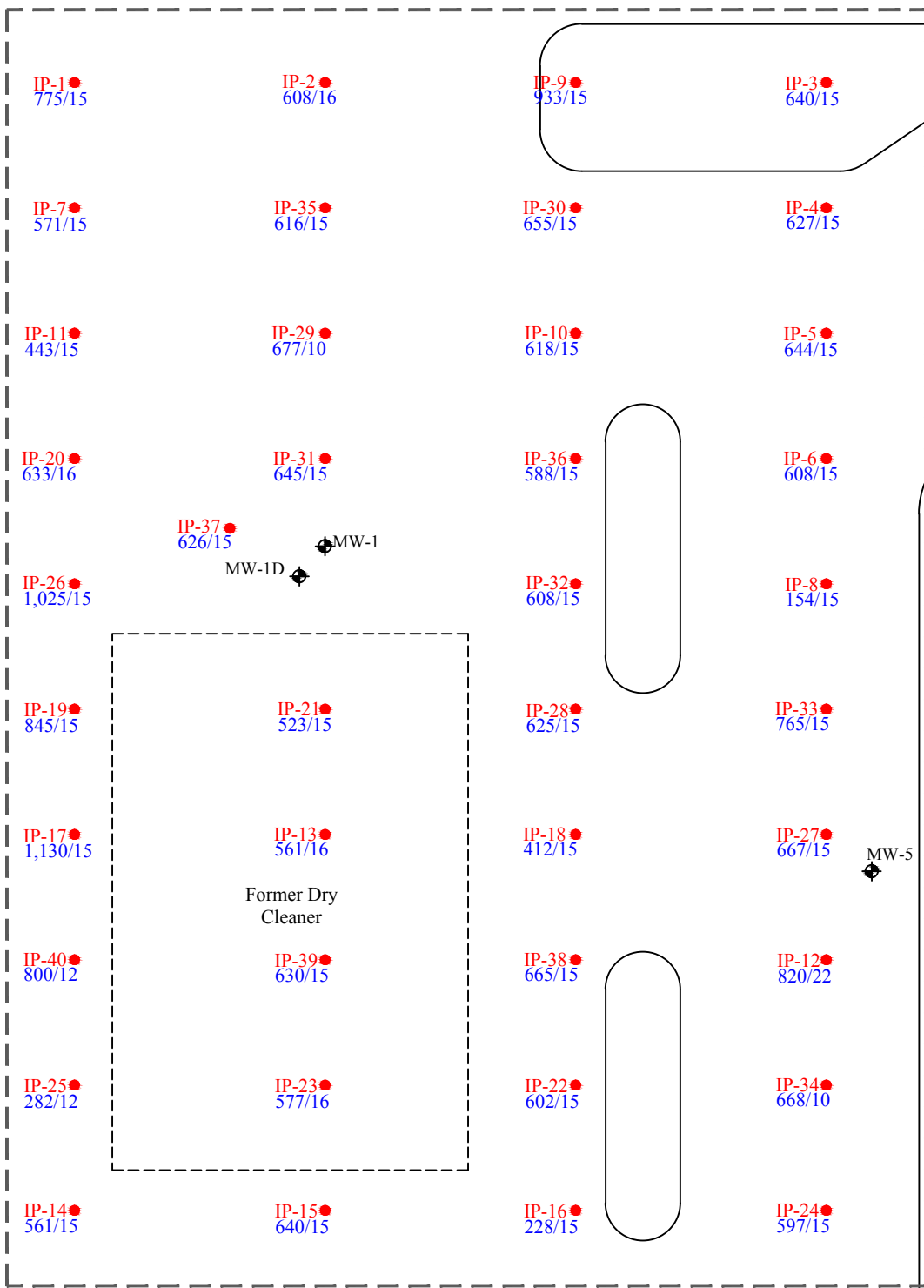
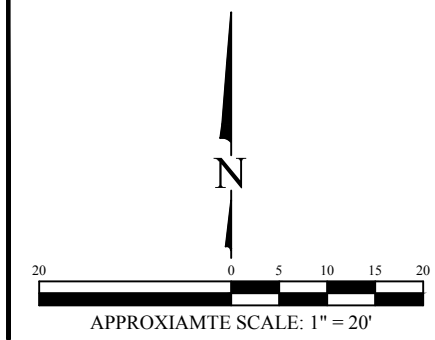
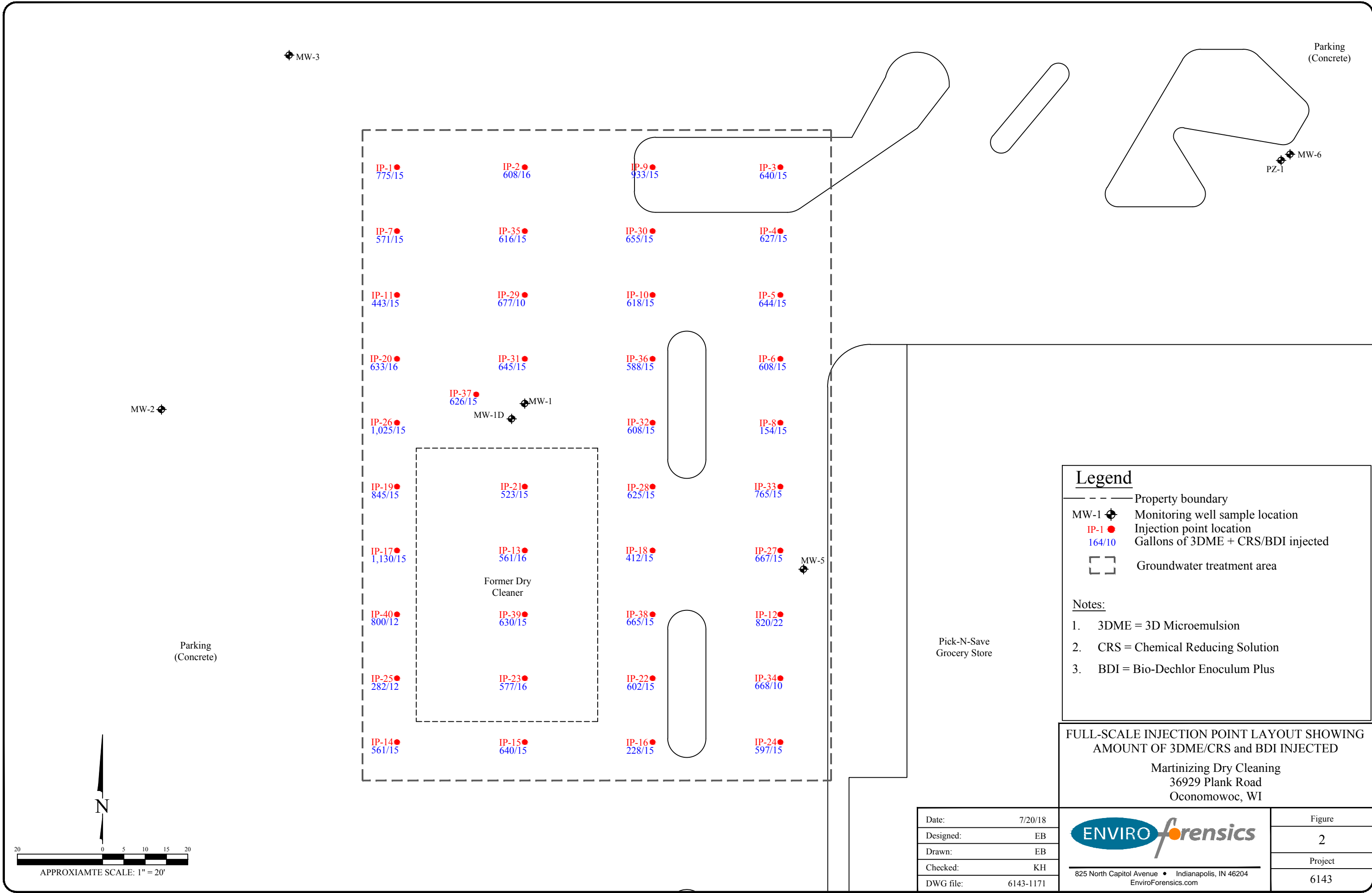
EXTENT OF PCE IN GROUNDWATER AND
 POTENTIOMETRIC SURFACE CONTOUR MAP
 NOVEMBER 27, 2018
 Martinizing Dry Cleaning
 36929 Plank Road
 Oconomowoc, WI

Date:	1/14/19
Designed:	EB
Drawn:	EB
Checked:	KH
DWG file:	6143-1284

ENVIROforensics

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 EnviroForensics.com

Figure	1
Project	6143



Date:	7/20/18
Designed:	EB
Drawn:	EB
Checked:	KH
DWG file:	6143-1171

ENVIRO forensics

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



Figure	2
Project	6143

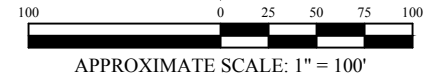
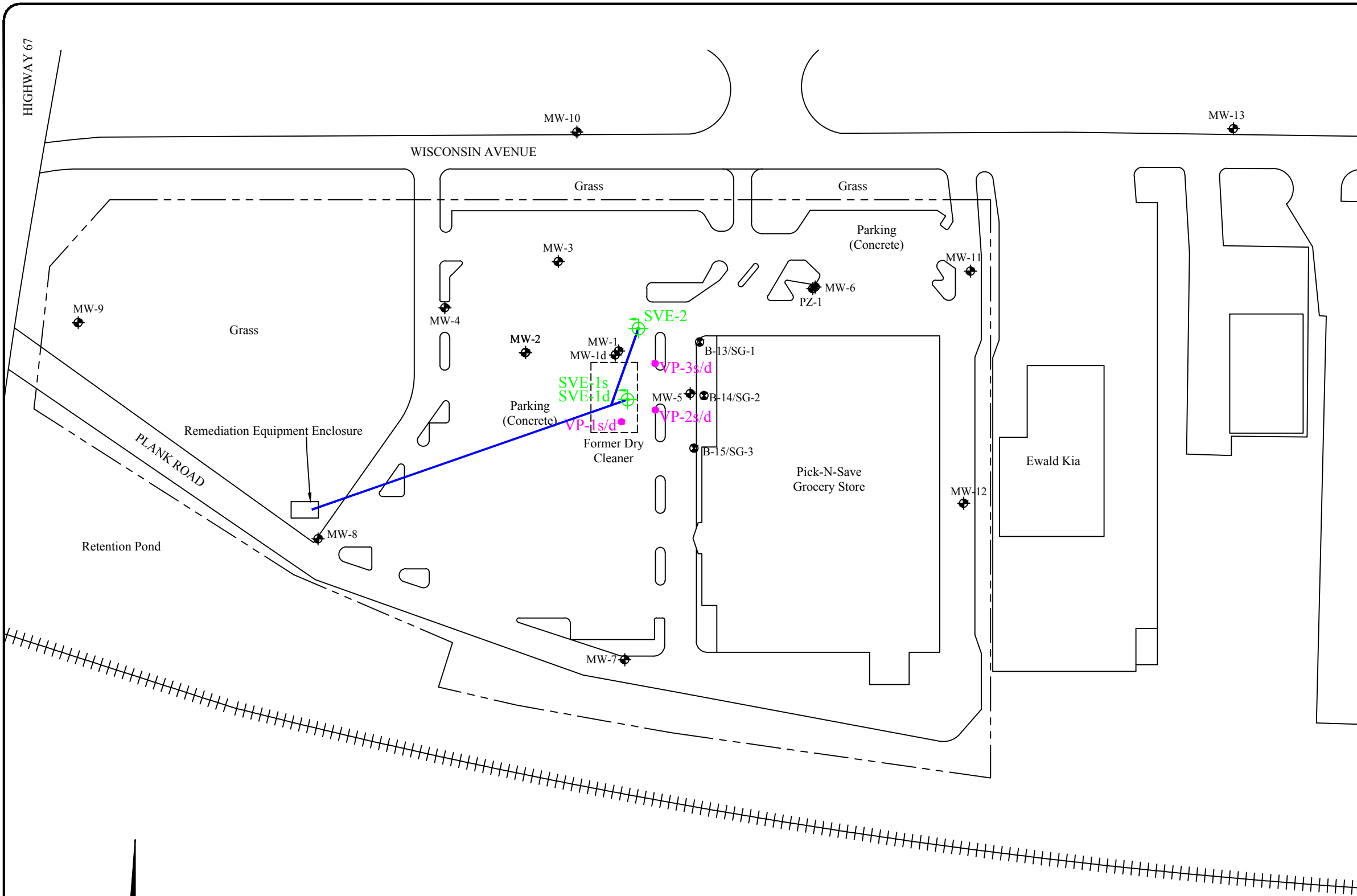
HIGHWAY 67

WISCONSIN AVENUE

PLANK ROAD

Legend

- Property boundary
- MW-1  Monitoring well sample location
- SG-1  Soil gas sampling point
- SVE-1s/d  SVE wells
- VP-1s/d  Nested vacuum monitoring point
- Subsurface conveyance piping



SVE SYSTEM LAYOUT

Martinizing Dry Cleaning
 36929 Plank Road
 Oconomowoc, WI












Date:	10/18/16
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6143-0540

ENVIRONMENTAL FORENSIC INVESTIGATIONS, INC.
 602 N. Capitol Ave., Ste. 210 • Indianapolis, IN 46204
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Figure	3
Project	6143

Grass

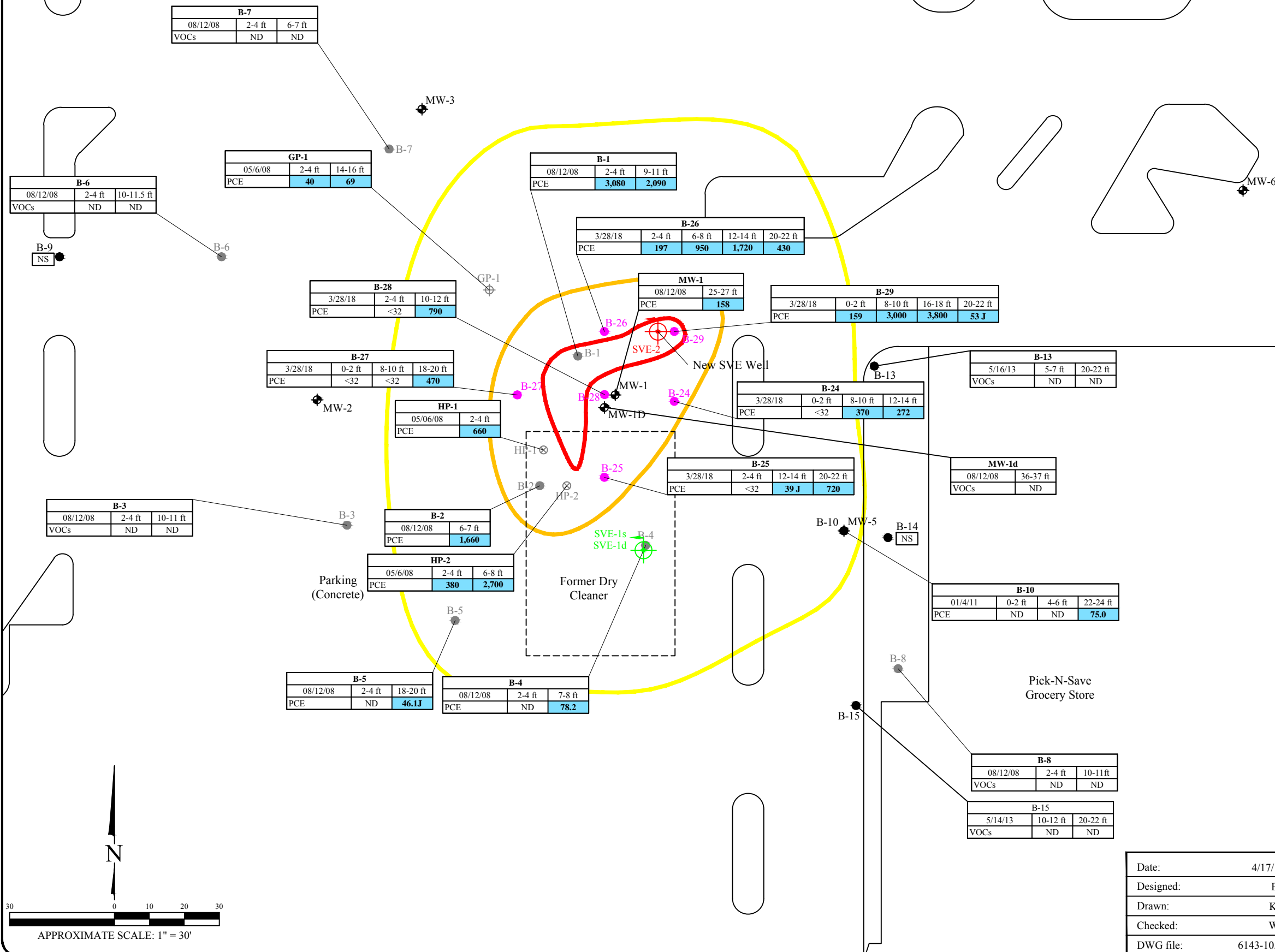
Legend

- MW-1  Monitoring well sample location
 - B-9  Soil boring location (EnviroForensics)
 - B-9  3/28/18 Soil boring location (EnviroForensics)
 - B-1  Soil boring location (KPRG)
 - GP-1  Preliminary site assessment borings (Giles)
 - HP-1  Soil boring location (Giles)
 -  Soil vapor extraction well location
 -  New soil vapor extraction well location installed July 2018
-
-  >30 ug/kg PCE concentration in soil
 -  >300 ug/kg PCE concentration in soil
 -  >3,000 ug/kg PCE concentration in soil

Analyte	Soil Residual Contaminant Level		
	Direct Contact		Soil to Groundwater
	Non-Industrial	Industrial	
PCE	33,000	145,000	4.5

Notes:

- Bolded and blue shaded values are above WDNR generic Soil to Groundwater Residual Contaminant Levels
- All concentrations reported in units micrograms per kilogram (ug/kg)
- PCE = Tetrachloroethene
- VOCs = Volatile Organic Compounds
- ND = Not Detected
- NS = Not Sampled



B-3			
08/12/08	2-4 ft	10-11 ft	
VOCs	ND	ND	

B-7			
08/12/08	2-4 ft	6-7 ft	
VOCs	ND	ND	

GP-1			
05/6/08	2-4 ft	14-16 ft	
PCE	40	69	

B-1			
08/12/08	2-4 ft	9-11 ft	
PCE	3,080	2,090	

B-26				
3/28/18	2-4 ft	6-8 ft	12-14 ft	20-22 ft
PCE	197	950	1,720	430

MW-1	
08/12/08	25-27 ft
PCE	158

B-29				
3/28/18	0-2 ft	8-10 ft	16-18 ft	20-22 ft
PCE	159	3,000	3,800	53 J

B-13		
5/16/13	5-7 ft	20-22 ft
VOCs	ND	ND

B-24			
3/28/18	0-2 ft	8-10 ft	12-14 ft
PCE	<32	370	272

B-25			
3/28/18	2-4 ft	12-14 ft	20-22 ft
PCE	<32	39 J	720

MW-1d	
08/12/08	36-37 ft
VOCs	ND

B-10			
01/4/11	0-2 ft	4-6 ft	22-24 ft
PCE	ND	ND	75.0

B-3			
08/12/08	2-4 ft	10-11 ft	
VOCs	ND	ND	

B-2		
08/12/08	6-7 ft	
PCE	1,660	

HP-2			
05/6/08	2-4 ft	6-8 ft	
PCE	380	2,700	

B-5			
08/12/08	2-4 ft	18-20 ft	
PCE	ND	46.1 J	

B-4			
08/12/08	2-4 ft	7-8 ft	
PCE	ND	78.2	

B-8		
08/12/08	2-4 ft	10-11 ft
VOCs	ND	ND

B-15		
5/14/13	10-12 ft	20-22 ft
VOCs	ND	ND



APPROXIMATE SCALE: 1" = 30'

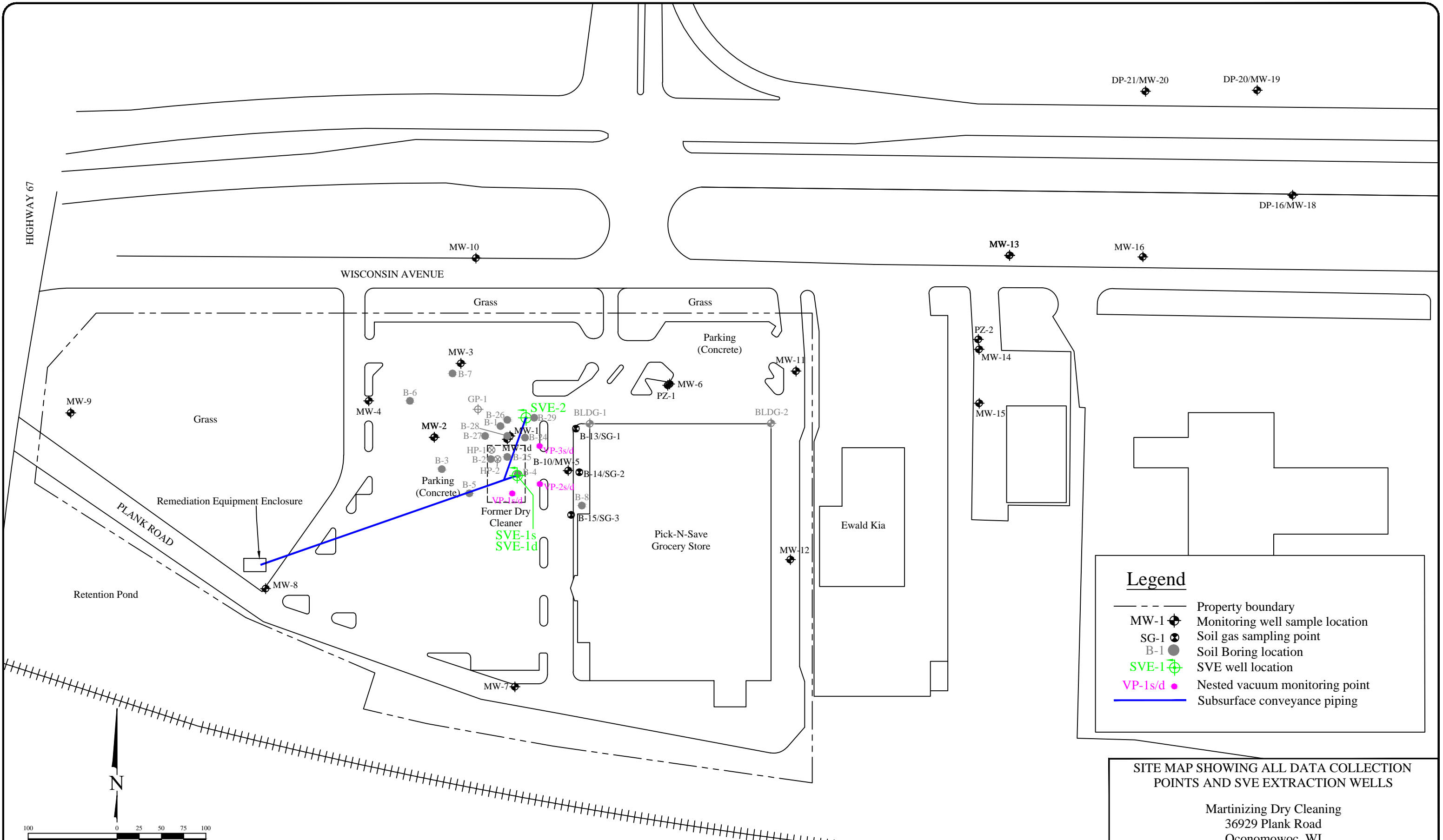
SOURCE AREA SOIL ANALYTICAL RESULTS AND SVE WELL LOCATION MAP

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

	Figure
	4
	Project
	6143

Date:	4/17/18
Designed:	EB
Drawn:	KH
Checked:	WF
DWG file:	6143-1052

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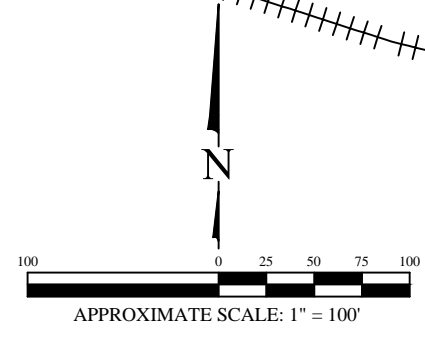


Legend

- Property boundary
- MW-1 Monitoring well sample location
- SG-1 Soil gas sampling point
- B-1 Soil Boring location
- SVE-1 SVE well location
- VP-1s/d Nested vacuum monitoring point
- Subsurface conveyance piping

SITE MAP SHOWING ALL DATA COLLECTION POINTS AND SVE EXTRACTION WELLS

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI



Date:	2/7/19
Designed:	EB
Drawn:	KH
Checked:	BK
DWG file:	6143-1393

 825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	Figure
	5
	Project
	6143

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-1	08/28/09	892.88	28.07	864.81
	11/09/09	892.88	28.56	864.32
	12/03/09	892.88	28.71	864.17
	03/08/10	892.88	29.03	863.85
	06/02/10	892.88	28.48	864.40
	01/07/11	892.88	28.46	864.42
	04/27/11	892.88	27.42	865.46
	09/07/11	892.88	28.70	864.18
	12/19/11	892.88	29.10	863.78
	02/27/12	892.88	29.31	863.57
	05/22/12	892.88	28.76	864.12
	06/11/13	892.88	27.19	865.69
	10/01/13	892.88	27.66	865.22
	01/02/14	892.88	28.54	864.34
	05/28/14	892.88	28.29	864.59
	10/09/14	892.88	28.90	863.98
	04/27/15	892.88	29.39	863.49
	06/22/15	892.88	29.29	863.59
	08/03/15	892.88	29.23	863.65
	11/04/15	892.88	29.28	863.60
	10/10/16	892.88	28.13	864.75
	03/28/17	892.88	28.34	864.54
	09/07/17	892.88	27.97	864.91
	05/17/18	892.88	28.35	864.53
11/27/18	892.88	27.27	865.61	
	<i>Max</i>		29.39	865.69
	<i>Min</i>		27.19	863.49
	<i>Avg</i>		28.50	864.38
MW-1D	08/28/09	892.58	27.67	864.91
	11/09/09	892.58	28.15	864.43
	12/03/09	892.58	28.31	864.27
	03/08/10	892.58	28.68	863.90
	06/02/10	892.58	28.08	864.50
	01/07/11	892.58	28.06	864.52
	04/27/11	892.58	27.63	864.95
	09/07/11	892.58	28.30	864.28
	12/19/11	892.58	28.73	863.85
	02/27/12	892.58	29.00	863.58
	05/22/12	892.58	28.44	864.14
	06/11/13	892.58	26.90	865.68
	10/01/13	892.58	27.29	865.29
	01/02/14	892.58	28.16	864.42
	05/28/14	892.58	28.15	864.43
	10/09/14	892.58	29.92	862.66
	04/27/15	892.58	29.05	863.53
	06/22/15	892.58	28.92	863.66
	08/03/15	892.58	28.87	863.71
	11/04/15	892.58	45.80	846.78
	10/10/16	892.58	27.77	864.81
	03/28/17	892.58	27.97	864.61
	09/07/17	892.58	26.92	865.66
	05/17/18	892.58	28.09	864.49
11/27/18	892.58	27.23	865.35	
	<i>Max</i>		45.80	865.68
	<i>Min</i>		26.90	846.78
	<i>Avg</i>		28.88	863.70

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-2	08/28/09	891.24	26.00	865.24
	11/09/09	891.24	26.58	864.66
	12/03/09	891.24	28.72	862.52
	03/08/10	891.24	27.09	864.15
	06/02/10	891.24	26.51	864.73
	01/07/11	891.27	26.40	864.87
	04/27/11	891.24	26.03	865.21
	09/07/11	891.24	26.74	864.50
	12/19/11	891.24	27.20	864.04
	02/27/12	891.24	27.46	863.78
	05/22/12	891.24	26.89	864.35
	06/11/13	891.27	25.22	866.05
	10/01/13	891.27	25.63	865.64
	01/02/14	891.27	26.57	864.70
	05/28/14	891.27	26.35	864.92
	10/09/14	891.27	27.06	864.21
	04/27/15	891.27	27.53	863.74
	06/22/15	891.27	27.44	863.83
	08/03/15	891.27	27.38	863.89
	11/04/15	891.27	27.42	863.85
	10/10/16	891.27	26.13	865.14
	03/28/17	891.27	26.37	864.90
	09/07/17	891.27	25.93	865.34
	05/17/18	891.27	26.41	864.86
11/27/18	891.27	24.95	866.32	
	<i>Max</i>		28.72	866.32
	<i>Min</i>		24.95	862.52
	<i>Avg</i>		26.64	864.62
MW-3	08/28/09	892.88	27.66	865.22
	11/09/09	892.88	28.31	864.57
	12/03/09	892.88	28.48	864.40
	03/08/10	892.88	28.80	864.08
	06/02/10	892.88	28.21	864.67
	01/07/11	892.88	28.12	864.76
	04/27/11	892.88	27.72	865.16
	09/07/11	892.88	28.40	864.48
	12/19/11	892.88	28.93	863.95
	02/27/12	892.88	29.16	863.72
	05/22/12	892.88	28.58	864.30
	06/11/13	892.88	26.90	865.98
	10/01/13	892.88	27.33	865.55
	01/02/14	892.88	28.27	864.61
	05/28/14	892.88	28.06	864.82
	10/09/14	892.88	28.73	864.15
	04/27/15	892.88	29.23	863.65
	06/22/15	892.88	29.12	863.76
	08/03/15	892.88	29.16	863.72
	11/04/15	892.88	29.06	863.82
	10/10/16	892.88	27.86	865.02
	03/28/17	892.88	28.06	864.82
	09/07/17	892.88	27.63	865.25
	05/17/18	892.88	28.11	864.77
11/27/18	892.88	27.06	865.82	
	<i>Max</i>		29.23	865.98
	<i>Min</i>		26.90	863.65
	<i>Avg</i>		28.28	864.60

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-4	01/07/11	891.72	26.55	865.17
	04/27/11	891.72	26.70	865.02
	09/07/11	891.72	26.60	865.12
	12/19/11	891.72	27.42	864.30
	02/27/12	891.72	27.68	864.04
	05/22/12	891.72	27.17	864.55
	06/11/13	891.72	25.41	866.31
	10/01/13	891.72	24.46	867.26
	01/02/14	891.72	26.8	864.92
	05/28/14	891.72	26.56	865.16
	10/09/14	891.72	27.30	864.42
	04/27/15	891.72	27.91	863.81
	06/22/15	891.72	27.74	863.98
	08/03/15	891.72	27.65	864.07
	11/04/15	891.72	27.71	864.01
	10/10/16	891.72	26.38	865.34
	03/28/17	891.72	26.64	865.08
	09/07/17	891.72	26.10	865.62
	05/17/18	891.72	26.22	865.50
	11/27/18	891.72	25.59	866.13
	<i>Max</i>		27.91	867.26
	<i>Min</i>		24.46	863.81
	<i>Avg</i>		26.80	864.97
MW-5	01/07/11	893.69	29.47	864.22
	04/27/11	893.69	29.06	864.63
	09/07/11	893.69	29.70	863.99
	12/19/11	893.69	30.09	863.60
	02/27/12	893.69	30.29	863.40
	05/22/12	893.69	29.77	863.92
	06/11/13	893.69	28.12	865.57
	10/01/13	893.69	28.74	864.95
	01/02/14	893.69	29.57	864.12
	05/28/14	893.69	29.28	864.41
	10/09/14	893.69	28.40	865.29
	04/27/15	893.69	30.32	863.37
	06/22/15	893.69	30.22	863.47
	08/03/15	893.69	30.18	863.51
	11/04/15	893.69	30.23	863.46
	10/10/16	893.69	29.15	864.54
	03/28/17	893.69	29.33	864.36
	09/07/17	893.69	29.03	864.66
	05/17/18	893.69	29.35	864.34
	11/27/18	893.69	28.43	865.26
	<i>Max</i>		30.32	865.57
	<i>Min</i>		28.12	863.37
	<i>Avg</i>		29.44	864.25
MW-6	01/07/11	NA	29.68	NA
	04/27/11	NA	29.19	NA
	09/07/11	NA	29.85	NA
	12/19/11	NA	30.13	NA
	02/27/12	NA	30.34	NA
	05/22/12	NA	29.78	NA
	06/11/13	893.57	28.35	865.22
	10/01/13	893.57	28.95	864.62
	01/02/14	893.57	29.7	863.87
	05/28/14	893.57	29.36	864.21
	10/09/14	893.57	30.11	863.46
	04/27/15	893.57	30.35	863.22
	06/22/15	893.57	30.25	863.32
	08/03/15	893.57	30.24	863.33
	11/04/15	893.57	30.30	863.27
	10/10/16	893.57	29.25	864.32
	03/28/17	893.57	29.42	864.15
	09/07/17	893.57	29.20	864.37
	05/17/18	893.57	29.40	864.17
	11/27/18	893.57	28.63	864.94
	<i>Max</i>		30.35	865.22
	<i>Min</i>		28.35	863.22
	<i>Avg</i>		29.62	864.03

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)	
MW-7	01/07/11	891.51	26.58	864.93	
	04/27/11	891.51	26.00	865.51	
	09/07/11	891.51	26.88	864.63	
	12/19/11	891.51	27.37	864.14	
	02/27/12	891.51	27.70	863.81	
	05/22/12	891.51	26.80	864.71	
	06/11/13	891.51	25.02	866.49	
	10/01/13	891.51	25.02	866.49	
	01/02/14	891.51	26.77	864.74	
	05/28/14	891.51	26.16	865.35	
	10/09/14	891.51	27.28	864.23	
	04/27/15	891.51	27.49	864.02	
	06/22/15	891.51	27.19	864.32	
	08/03/15	891.51	27.41	864.10	
	11/04/15	891.51	27.55	863.96	
	10/10/16	891.51	26.27	865.24	
	03/28/17	891.51	26.55	864.96	
	09/07/17	891.51	26.05	865.46	
		<i>Max</i>		27.70	866.49
	<i>Min</i>		25.02	863.81	
	<i>Avg</i>		26.67	864.84	
MW-8	06/11/13	887.73	21.55	866.18	
	10/01/13	887.73	21.96	865.77	
	01/02/14	887.73	22.98	864.75	
	05/28/14	887.73	22.65	865.08	
	10/09/14	887.73	23.54	864.19	
	04/27/15	887.73	23.96	863.77	
	06/22/15	887.73	23.83	863.90	
	08/03/15	887.73	23.86	863.87	
	11/04/15	887.73	23.95	863.78	
	10/10/16	887.73	22.80	864.93	
	03/28/17	887.73	22.85	864.88	
	09/07/17	887.73	22.26	865.47	
		<i>Max</i>		23.96	866.18
		<i>Min</i>		21.55	863.77
	<i>Avg</i>		23.02	864.71	
MW-9	06/11/13	889.32	23.48	865.84	
	10/01/13	889.32	23.88	865.44	
	01/02/14	889.32	24.88	864.44	
	05/28/14	889.32	24.46	864.86	
	10/09/14	889.32	25.45	863.87	
	04/27/15	889.32	25.80	863.52	
	06/22/15	889.32	25.61	863.71	
	08/03/15	889.32	25.79	863.53	
	11/04/15	889.32	25.90	863.42	
	10/10/16	889.32	24.50	864.82	
	03/28/17	889.32	24.72	864.60	
	09/07/17	889.32	24.04	865.28	
		<i>Max</i>		25.90	865.84
		<i>Min</i>		23.48	863.42
	<i>Avg</i>		24.88	864.44	
MW-10	06/11/13	895.61	29.53	866.08	
	10/01/13	895.61	29.95	865.66	
	01/02/14	895.61	30.89	864.72	
	05/28/14	895.61	30.72	864.89	
	10/09/14	895.61	31.35	864.26	
	04/27/15	895.61	31.87	863.74	
	06/22/15	895.61	31.81	863.80	
	08/03/15	895.61	31.70	863.91	
	11/04/15	895.61	31.69	863.92	
	10/10/16	895.61	30.50	865.11	
	03/28/17	895.61	30.65	864.96	
	09/07/17	895.61	30.29	865.32	
		<i>Max</i>		31.87	866.08
		<i>Min</i>		29.53	863.74
	<i>Avg</i>		30.91	864.70	

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)	
MW-11	06/11/13	893.44	29.60	863.84	
	10/01/13	893.44	29.25	864.19	
	01/02/14	893.44	29.94	863.50	
	05/28/14	893.44	29.52	863.92	
	10/09/14	893.44	30.28	863.16	
	04/27/15	893.44	30.38	863.06	
	06/22/15	893.44	30.26	863.18	
	08/03/15	893.44	30.33	863.11	
	11/04/15	893.44	30.38	863.06	
	10/10/16	893.44	29.47	863.97	
	03/28/17	893.44	29.55	863.89	
	09/07/17	893.44	29.46	863.98	
	05/17/18	893.44	29.42	864.02	
	11/27/18	893.44	28.30	865.14	
		<i>Max</i>		30.38	865.14
	<i>Min</i>		28.30	863.06	
	<i>Avg</i>		29.72	863.72	
MW-12	06/11/13	893.05	27.95	865.10	
	10/01/13	893.05	28.69	864.36	
	01/02/14	893.05	29.41	863.64	
	05/28/14	893.05	28.92	864.13	
	10/09/14	893.05	29.78	863.27	
	04/27/15	893.05	29.87	863.18	
	06/22/15	893.05	29.25	863.80	
	08/03/15	893.05	29.81	863.24	
	11/04/15	893.05	29.86	863.19	
	10/10/16	893.05	28.90	864.15	
	03/28/17	893.05	29.04	864.01	
	09/07/17	893.05	28.92	864.13	
		<i>Max</i>		29.87	865.10
		<i>Min</i>		27.95	863.18
	<i>Avg</i>		29.20	863.85	
MW-13	01/02/14	892.12	29.47	862.65	
	05/28/14	892.12	28.96	863.16	
	10/09/14	892.12	29.77	862.35	
	04/15/15	892.12	29.46	862.66	
	04/27/15	892.12	29.47	862.65	
	06/22/15	892.12	29.43	862.69	
	08/03/15	892.12	29.78	862.34	
	11/04/15	892.12	29.71	862.41	
	10/10/16	892.12	29.13	862.99	
	03/28/17	892.12	28.92	863.20	
	09/07/17	892.12	29.78	862.34	
		<i>Max</i>		29.78	863.20
		<i>Min</i>		28.92	862.34
	<i>Avg</i>		29.44	862.68	
MW-14	04/15/15	894.00	31.29	862.71	
	04/27/15	894.00	31.14	862.86	
	06/22/15	894.00	31.08	862.92	
	08/03/15	894.00	31.33	862.67	
	11/04/15	894.00	31.30	862.70	
	10/10/16	894.00	30.58	863.42	
	03/28/17	894.00	30.51	863.49	
	09/07/17	894.00	30.78	863.22	
	05/17/18	894.00	30.29	863.71	
	11/27/17	894.00	30.09	863.91	
		<i>Max</i>		31.33	863.91
		<i>Min</i>		30.09	862.67
	<i>Avg</i>		30.84	863.16	
MW-15	04/15/15	893.89	31.18	862.71	
	04/27/15	893.89	30.97	862.92	
	06/22/15	893.89	30.90	862.99	
	08/03/15	893.89	31.13	862.76	
	11/04/15	893.89	31.12	862.77	
	10/10/16	893.89	30.35	863.54	
	03/28/17	893.89	30.32	863.57	
	09/07/17	893.89	30.36	863.53	
		<i>Max</i>		31.18	863.57
		<i>Min</i>		30.32	862.71
	<i>Avg</i>		30.79	863.10	

Table 1
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Date	TOC Elevation (feet AMSL)	Depth to Water	Groundwater Elevation (feet AMSL)
MW-16	08/03/15	890.67	28.25	862.42
	11/04/15	890.67	28.52	862.15
	10/10/16	890.67	28.03	862.64
	03/28/17	890.67	27.72	862.95
	09/07/17	890.67	27.92	862.75
	05/11/18	890.67	27.33	863.34
	11/27/18	890.67	27.57	863.10
	<i>Max</i>		28.52	863.34
	<i>Min</i>		27.33	862.15
<i>Avg</i>		27.91	862.76	
MW-17	08/03/15	895.63	32.49	863.14
	11/04/15	895.63	32.50	863.13
	10/10/16	895.63	31.65	863.98
	03/28/17	895.63	31.71	863.92
	09/07/17	895.63	31.59	864.04
	<i>Max</i>		32.50	864.04
	<i>Min</i>		31.59	863.13
	<i>Avg</i>		31.99	863.64
MW-18	09/07/17	882.37	19.66	862.71
MW-19	09/07/17	883.02	20.40	862.62
	05/17/18	883.02	19.82	863.20
	11/27/18	883.02	19.97	863.05
	<i>Max</i>		20.40	863.20
	<i>Min</i>		19.82	862.62
<i>Avg</i>		20.06	862.96	
MW-20	09/07/17	886.11	23.81	862.30
	05/17/18	886.11	23.00	863.11
	11/27/18	886.11	23.05	863.06
	<i>Max</i>		23.81	863.11
	<i>Min</i>		23.00	862.30
<i>Avg</i>		23.29	862.82	
PZ-1	01/02/14	893.57	29.46	864.11
	05/28/14	893.57	29.31	864.26
	10/09/14	893.57	29.88	863.69
	04/27/15	893.57	31.21	862.36
	06/22/15	893.57	30.10	863.47
	08/03/15	893.57	30.23	863.34
	11/04/15	893.57	32.14	861.43
	10/10/16	893.57	29.07	864.50
	03/28/17	893.57	29.23	864.34
	09/07/17	893.57	28.33	865.24
	<i>Max</i>		32.14	865.24
	<i>Min</i>		28.33	861.43
	<i>Avg</i>		29.90	863.67
PZ-2	04/15/15	894.01	29.96	864.05
	04/27/15	894.01	30.76	863.25
	06/22/15	894.01	30.70	863.31
	08/03/15	894.01	30.91	863.10
	11/04/15	894.01	30.78	863.23
	10/10/16	894.01	29.80	864.21
	03/28/17	894.01	29.94	864.07
	09/07/17	894.01	29.93	864.08
	<i>Max</i>		30.91	864.21
	<i>Min</i>		29.80	863.10
	<i>Avg</i>		30.35	863.66

Notes:

All measurements recorded in feet
TOC = Top of Casing
MSL = Mean Seal Level
NA = not available

TABLE 2
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-1	05/08/09	210	0.66 J	<0.96	<0.96	<0.26	<0.26	<0.20
	08/28/09	357	1.9 J	<4.2	<4.4	<0.90	<0.90	<0.20
	12/03/09	154	<0.96	<0.96	<0.96	<0.26	<0.26	<0.20
	03/10/10	229	1.0 J	<0.96	<0.96	<0.26	<0.26	<0.20
	06/02/10	140	<0.96	<0.96	<0.96	<0.26	<0.26	<0.20
	09/17/10	442	<2.4	<4.2	<4.4	<0.90	<0.90	<0.20
	01/07/11	420	2.4	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	167	0.58 J	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	335	<1.9	<3.3	<3.6	<0.72	<0.72	<5.2
	12/19/11	170	0.78 J	<1.0	<1.0	<0.40	<1.3	<0.40
	02/28/12	120	0.46 J	<0.50	<0.50	<0.20	<0.20	<0.20
	05/24/12	140	0.81	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	120	0.69	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	169	<3.3	<3.8	<3.5	<1.8	<17	<2.8
	1/3/2014	254	<3.3	<3.8	<3.5	<1.8	<17	<2.8
	3/6/2014	267	2.2 J	<1.9	<1.75	<0.9	<8.5	<1.4
	5/29/2014	109	<1.65	<1.9	<1.75	<0.9	<8.5	<1.4
	10/9/2014	280	2.63	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	78	<2.35	<2.25	<2.7	<0.85	NA	NA
	11/5/2015	82	0.53 J	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	237	1.50	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	205	<2.25	<2.05	<1.75	<0.95	NA	NA
9/1/2017	340	1.95	<0.41	<0.35	<0.19	NA	NA	
5/18/2018	44	1.38	<0.37	<0.34	<0.2	<2.1	<0.26	
8/30/2018	3.2	0.59 J	0.50 J	<0.34	<0.2	<2.1	<0.26	
11/28/2018*^	9.7	7.0	19.5	<0.34	0.76	<2.1	<0.26	
MW-1D	08/28/09	7.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	12/03/09	14	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	03/10/10	3.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	06/02/10	4.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/17/10	8.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	01/07/11	2.7	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	2.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	3.4	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	2.0	2.0	<0.50	<0.50	<0.20	0.90 J	<0.20
	02/27/12	1.8 J	<0.96	<0.50	<0.50	<0.20	<0.20	<0.20
	05/22/12	2.5	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	4.4	<0.19	8.5	<0.25	<0.10	<0.16	<0.20
	10/2/2013	0.91 J	0.37 J	2.08	<0.35	<0.18	<1.7	<0.28
	1/3/2014	0.42 J	<0.33	3.8	<0.35	<0.18	<1.7	<0.28
	3/6/2014	6.0	1.87	11.3	<0.35	<0.18	<1.7	<0.28
	5/29/2014	1.37	0.46 J	0.66 J	<0.35	<0.18	<1.7	<0.28
	10/9/2014	0.77 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	2.33 J	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	2.08	0.53 J	1.01 J	<0.54	<0.17	NA	NA
	10/11/2016	0.57 J	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	<0.48	<0.45	0.85 J	<0.35	<0.19	NA	NA
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
5/18/2018	0.66 J	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
11/28/2018	<0.48	<0.3	0.61 J	<0.34	<0.2	<2.1	<0.26	

TABLE 2
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-2	08/28/09	14.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	12/03/09	31.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	03/10/10	36.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	06/02/10	24.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/17/10	47.8	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	01/07/11	41	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	44.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.18
	09/08/11	41.7	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	51	<0.20	<0.20	<0.20	<0.20	<0.25	<0.20
	02/27/12	45	<0.20	<0.20	<0.20	<0.20	<0.25	<0.20
	05/23/12	37	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	29.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	37.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	27.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	18.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	16.9	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	23	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	1.25 J	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	1.82	<0.45	<0.41	<0.35	<0.19	NA	NA
5/18/2018	4.70	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
8/30/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
11/28/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
MW-3	08/28/09	49.5	0.68 J	<0.83	<0.89	<0.18	<0.18	<0.18
	12/03/09	63.3	1.0	<0.83	<0.89	<0.18	<0.18	<0.18
	03/10/10	51.6	0.93 J	<0.83	<0.89	<0.18	<0.18	<0.18
	06/02/10	34.2	0.64 J	<0.83	<0.89	<0.18	<0.18	<0.18
	09/17/10	96.3	3.6	<0.83	<0.89	<0.18	<0.18	<0.18
	01/07/11	83	3.3	<0.64	<0.50	<0.20	<0.20	<0.20
	04/27/11	72.9	2.7	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	74.4	2.7	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	66	1.2 J	<0.50	<0.50	<0.20	<0.25	<0.20
	02/28/12	70	1.2 J	<0.20	<0.20	<0.20	<0.25	<0.20
	05/23/12	57	1.3	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	52	2.2	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	65	3.5	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	55	1.88	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	68	2.07	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	56	2.22	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	58	1.78	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	64	1.55	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	54	2.06	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	63	1.91	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	62	1.38 J	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	51	1.28 J	<0.41	<0.35	<0.19	NA	NA
5/18/2018	52	1.23	<0.37	<0.34	<0.2	<2.1	<0.26	
8/30/2018	41	0.79 J	<0.37	<0.34	<0.2	<2.1	<0.26	
11/27/2018	54	0.89 J	<0.37	<0.34	<0.2	<2.1	<0.26	

TABLE 2
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-4	01/07/11	46	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	69	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	29	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	23	<0.20	<0.50	<0.50	<0.20	<0.25	<0.20
	02/27/12	19	<0.20	<0.50	<0.50	<0.20	<0.25	<0.20
	05/23/12	35	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	30	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	53	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/2/2014	19.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	32.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	13.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	12.7	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	14.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/4/2015	11.8	<0.47	<0.54	<0.45	<0.54	NA	NA
	10/13/2016	17.2	<0.47	<0.54	<0.45	<0.54	<1.6	<0.43
	4/3/2017	27.1	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	31.4	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/18/2018	30.1	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26
8/30/2018	35	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
11/27/2018	52	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
MW-5	01/07/11	140	0.86	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	133	0.77 J	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	121	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	110	0.41 J	<0.50	<0.50	<0.20	<0.50	<0.20
	02/28/12	140	0.62 J	<0.50	<0.50	<0.20	<0.50	<0.20
	05/23/12	89	0.49 J	<0.12	<0.25	<0.10	<0.16	<0.20
	6/12/2013	98	0.58	<0.12	<0.25	<0.10	<0.16	<0.20
	10/2/2013	105	0.75 J	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	160	1.34	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	180	1.93	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	162	0.96 J	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	116	1.23	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	152	0.89 J	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	158	<4.7	<4.5	<5.4	<1.7	NA	NA
	10/13/2016	132	0.68	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	67	<0.45	<0.41	<0.35	<0.19	NA	NA
	8/31/2017	68	<0.45	0.43 J	<0.35	<0.19	NA	NA
	5/18/2018	99	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26
8/30/2018	43	<0.3	0.47 J	<0.34	<0.2	<2.1	<0.26	
11/28/2018	39	0.58 J	0.61 J	<0.34	<0.2	<2.1	<0.26	
MW-6	01/07/11	41	0.38	<0.50	<0.50	<0.20	<0.20	<0.20
	04/27/11	47.3	<0.48	<0.83	<0.89	<0.18	<0.18	<0.20
	09/08/11	39.2	<0.48	<0.83	<0.89	<0.18	<0.18	<1.3
	12/19/11	43	0.27 J	<0.50	<0.50	<0.20	<0.25	<0.20
	02/28/12	36	0.21 J	<0.50	<0.50	<0.20	<0.25	<0.20
	05/23/12	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	6/11/2013	19	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	28.8	0.34 J	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	36	0.71 J	<0.38	<0.35	0.21 J	<1.7	<0.28
	3/6/2014	33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	40	0.51 J	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	34	0.37 J	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	45	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	36	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	26.3	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	29.8	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	22.2	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/18/2018	55	0.62 J	<0.37	<0.34	<0.2	<2.1	<0.26
8/30/2018	27	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
11/27/2018	36	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	

TABLE 2
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-11	6/11/2013	12	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	30.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	38	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	25	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/22/2015	24	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	23.5	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	23.8	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	14.5	0.48 J	<0.41	<0.35	<0.19	NA	NA
	5/18/2018	20.6	0.35 J	0.76 J	<0.34	<0.2	<2.1	<0.26
	8/30/2018	26.9	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26
11/27/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26	
MW-12	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/6/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-13	1/3/2014	1.15	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	3/5/2014	1.27	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	1.73	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	1.20	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	4/15/2015	2.57	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	3.90	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	2.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	3.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	5.2	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	9.6	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	2.3	<0.45	<0.41	<0.35	<0.19	NA	NA	
MW-14	4/15/2015	10.50	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	6.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	12.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	29.9	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	45	<0.45	<0.41	<0.35	<0.19	NA	NA
	8/31/2017	26.6	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/17/2018	40.0	0.35 J	<0.37	<0.34	<0.2	<2.1	<0.26
11/27/2018	44	0.34 J	<0.37	<0.34	<0.2	<2.1	<0.26	
MW-15	4/15/2015	2.97	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/22/2015	10.7	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	3.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	8.2	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	9.2	<0.45	<0.41	<0.35	<0.19	NA	NA
8/31/2017	6.1	<0.45	<0.41	<0.35	<0.19	NA	NA	

TABLE 2
MONITORING WELL ANALYTICAL RESULTS
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well ID	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Naphthalene	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.6
Enforcement Standard		5	5	70	100	0.2	100	6
MW-16	8/3/2015	2.99	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	4.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	11.1	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	28.1	<0.45	<0.41	<0.35	<0.19	NA	NA
	8/31/2017	5.8	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/17/2018	20.6	<0.3	<0.37	<0.32	<0.2	<2.1	<0.26
	11/27/2018	8.9	<0.3	<0.37	<0.32	<0.2	<2.1	<0.26
MW-17	8/3/2015	8.4	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	11.1	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/13/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/31/2017	13.1	<0.45	<0.41	<0.35	<0.19	NA	NA
	9/1/2017	1.57	<0.45	<0.41	<0.35	<0.19	NA	NA
MW-18	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/17/2018	2.3	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26
MW-19	8/31/2017	2.44	<0.45	<0.41	<0.35	<0.19	NA	NA
	11/27/2018	2.9	<0.3	<0.37	<0.34	<0.2	<2.1	<0.26
MW-20	8/31/2017	2.32	<0.45	<0.41	<0.35	<0.19	NA	NA
	5/17/2018	0.68 J	<0.3	<0.37	<0.32	<0.2	<2.1	<0.26
	11/27/2018	1.53	<0.3	<0.37	<0.32	<0.2	<2.1	<0.26
PZ-1	1/3/2014	8.9	<0.33	<0.38	<0.35	0.26 J	<1.7	<0.28
	3/6/2014	8.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	5/29/2014	6.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	10/9/2014	7.1	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	4/15/2015	<0.74	<0.33	<0.38	<0.35	<0.18	<1.7	<0.28
	6/23/2015	10.6	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/5/2015	9.8	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	11.4	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	4/3/2017	17.8	<0.45	<0.41	<0.35	<0.19	NA	NA
9/1/2017	10.8	<0.45	<0.41	<0.35	<0.19	NA	NA	
PZ-2	4/15/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	8/3/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA
	11/6/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA
	10/11/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA
	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA

Notes:

Samples analyzed using EPA SW-846 Method 8260

All concentrations reported in µg/L

Bolded and orange shaded values are above Public Health Enforcement Standards

Bolded and blue shaded values are above Public Health Preventive Action Limits

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

NA = Not Analyzed

* = Toluene detected below applicable standards

^ = 1,1-Dichloroethene detected below applicable standards

DISSOLVED PCE IN MW-1 TREND
Former OHM-Oconomowoc

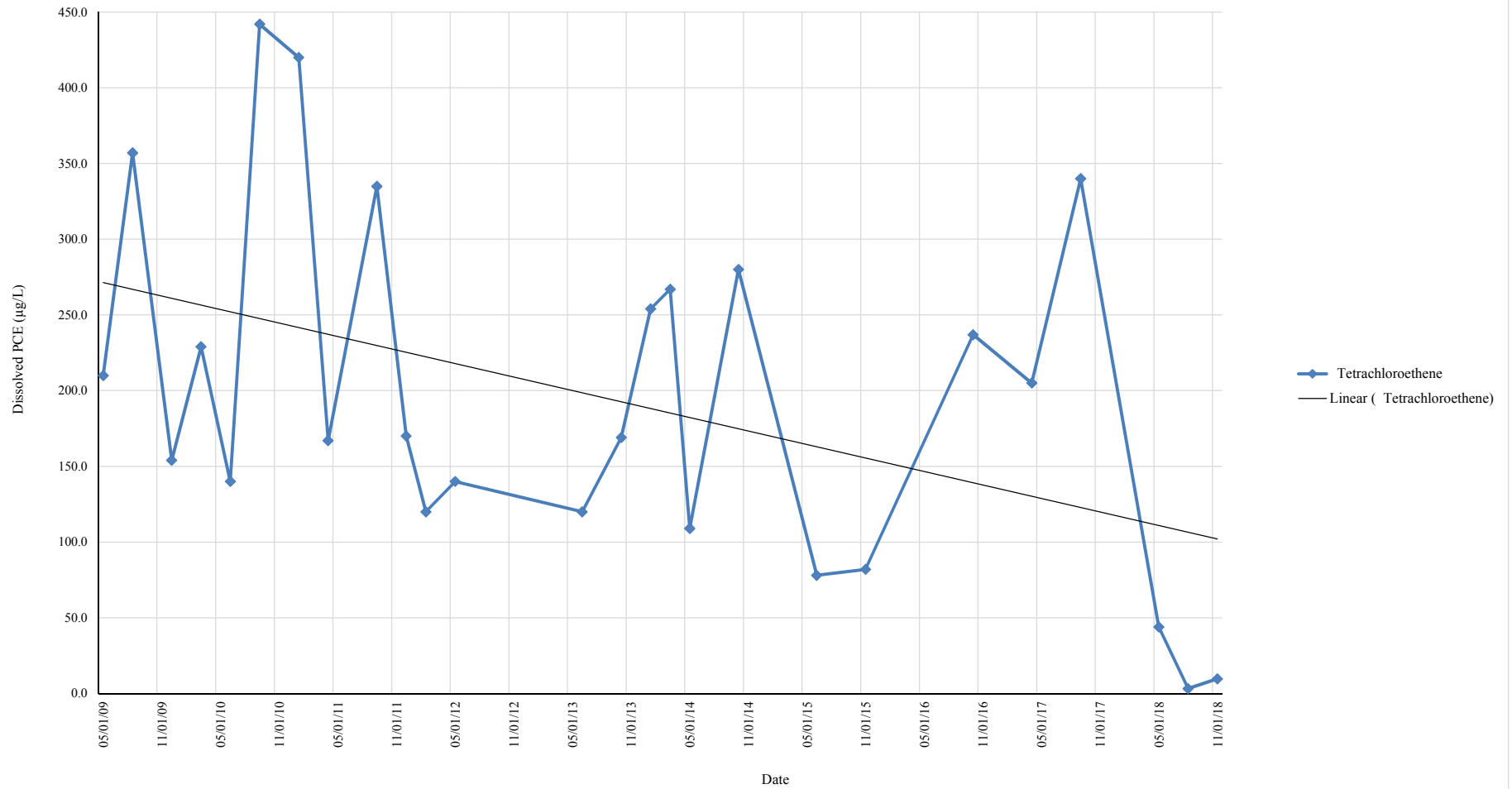


TABLE 3
GROUNDWATER GEOCHEMICAL DATA SUMMARY
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well Identification	Sample Date	Injection Pre/Post	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Dissolved Gases			Inorganic/ Physical Parameters									Field-measured Parameters						
								Ethane	Ethene	Methane	Dissolved Iron	Total Iron	Dissolved Manganese	Sulfate	Chloride	Nitrite plus Nitrate	Nitrate	Nitrite	Total Organic Carbon (TOC)	Alkalinity	Temperature	pH	Specific Conductance	Oxidation-Reduction Potential	Turbidity	Dissolved Oxygen
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	S.U.	µmSi/cm	mV	NTU	mg/L
MW-1	10/13/2016	Pre	237	1.50	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.02 J	--	2.03 J	84.1	1,610	3.00	--	--	3.27	373.2	14.92	7.36	--	224	8.9	5.93
	4/3/2017		205	<2.25	<2.05	<1.75	<0.95	--	--	--	4.57	--	--	97.7	--	2.71	--	--	--	--	11.89	7.10	5.68	260	0	4.69
	9/1/2017		340	1.95	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	15.99	7.38	9.97	108	203	6.22
	*5/18/2018		44	1.38	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.51	8.03	4.56	62	--	5.08
	8/29/2018	Post	3.2	0.59 J	0.50 J	<0.34	<0.2	1.15 J	6.44	47.6	92.2	120	--	24.3	--	<0.36	--	--	--	--	16.67	5.48	20.2	-58	0	0.00
	11/28/2018		9.7	7.0	19.5	<0.34	0.8	<2.5	3.67	3,420	39.1	41.1	--	13.2	--	--	0.21 J	0.017 J	--	--	8.43	6.30	9.1	-109	413	0.00
MW-1d	10/11/2016	Pre	0.57 J	<0.47	<0.45	<0.54	<0.17	<0.5	<0.5	<1	1.33	--	183	38.1	524.4	0.76 J	--	--	1.02	375.5	21.19	7.40	--	-66	39.8	0.09
	3/31/2017		<0.48	<0.45	0.85 J	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	9.19	7.13	--	99	65.7	5.26
	9/1/2017		<0.48	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	14.86	7.32	0.96	-30	218	2.56
	5/18/2018		0.66 J	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	13.54	7.64	0.851	-1	0	3.81
	11/28/2018	Post	<0.38	<0.3	0.61 J	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	10.88	7.47	1.17	-20	66.6	0.64
MW-2	10/13/2016	Pre	1.25 J	<0.47	<0.45	<0.54	<0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	15.69	7.28	--	213	78.4	2.74
	3/31/2017		<0.48	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	9.91	6.52	--	293	74.9	3.22
	9/1/2017		1.82	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	18.63	7.13	9.03	8	230	4.52
	5/18/2018		4.7	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.51	8.03	4.56	62	--	5.06
	8/29/2018	Post	<0.38	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.66	6.64	22.6	-120	43.5	0.00
11/28/2018	<0.38		<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	11.75	7.40	12.6	-148	223	0.00	
MW-3	10/13/2016	Pre	132	0.68	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.37	--	17.9	222	2,090	7.84 J	--	--	31.2	603	17.85	7.43	7.55	279	112	4.72
	3/30/2017		67	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	11.38	7.57	--	279	79	5.09
	8/31/2017		68	<0.45	0.43 J	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	18.04	7.64	4.04	99	128	6.49
	5/18/2018		99	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	14.96	7.90	5.34	232	--	8.21
	8/30/2018	Post	43	<0.3	0.47 J	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	17.50	7.32	14.6	12	450	5.07
	11/27/2018		54	0.89 J	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	12.04	7.89	3.77	-14	0	7.35
MW-4	10/13/2016	Pre	17.2	<0.47	<0.54	<0.45	<0.54	<0.5	<0.5	<1	0.16	--	4.38 J	38.4	731	3.33	--	--	1.56	411	14.67	7.63	--	223	43.6	7.72
	4/3/2017		27.1	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	12.45	7.31	3.96	270	190	7.00
	9/1/2017		31.4	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	16.27	7.77	3.02	84	300	6.54
	5/18/2018		30.1	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	13.36	8.01	3.07	47	--	7.93
	8/29/2018	Post	35	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.25	7.39	15.1	173	1.8	5.50
	11/27/2018		52	<0.3	<0.37	<0.38	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	11.81	7.92	4.87	20	172	6.99
MW-5	10/13/2016	Pre	132	0.68	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.03	--	<1.8	87.2	1,630	5.15	--	--	1.43	346	16.57	7.32	5.94	256	28.8	5.84
	4/3/2017		67	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	12.20	6.97	5.38	258	158	5.39
	8/31/2017		68	<0.45	0.43 J	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	16.61	7.08	5.10	73	279	7.20
	5/18/2018		99	<0.3	<0.37	<0.34	<0.2	--	--	--	0.04 J	--	--	114	--	4.42	--	--	--	--	18.02	7.66	4.97	46	--	6.30
	8/29/2018	Post	43	<0.3	0.47 J	<0.34	<0.2	<0.5	<0.5	1.91	0.55	1.7	--	146 J	--	<0.36	--	--	--	--	16.67	6.96	17.3	35	168	0.00
	11/28/2018		39	0.58 J	0.61 J	<0.34	<0.2	<0.5	<0.5	42.3	4.5	6.45	--	134 J	--	--	0.19 J	<0.014	--	--	8.50	7.57	5.91	-123	52.3	0.00

TABLE 3
GROUNDWATER GEOCHEMICAL DATA SUMMARY
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Monitoring Well Identification	Sample Date	Injection Pre/Post	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Dissolved Gases			Inorganic/ Physical Parameters								Field-measured Parameters							
								Ethane	Ethene	Methane	Dissolved Iron	Total Iron	Dissolved Manganese	Sulfate	Chloride	Nitrite plus Nitrate	Nitrate	Nitrite	Total Organic Carbon (TOC)	Alkalinity	Temperature	pH	Specific Conductance	Oxidation-Reduction Potential	Turbidity	Dissolved Oxygen
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	S.U.	µmSi/cm	mV	NTU	mg/L	
MW-6	10/13/2016	Pre	26.3	<0.47	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.02 J	--	2.0 J	134	1,320	2.17 J	--	--	1.53	352.1	15.82	7.44	--	237	29.1	4.35
	4/3/2017		29.8	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	12.06	7.14	4.47	280	989	4.40
	9/1/2017		22.2	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	21.24	7.45	4.73	136	800	5.76
	5/18/2018		55	0.62 J	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	14.64	7.80	4.90	212	--	6.27
	8/29/2018	Post	27	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.00	7.33	18.9	184	877	6.90
	11/27/2018		36	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	11.66	7.79	5.67	22	0	6.74
MW-11	10/13/2016	Pre	23.5	<0.47	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.02	--	5.8	119	1,690	5.39 J	--	--	1.66	325	14.45	7.40	--	241	18.6	6.70
	4/3/2017		23.8	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	11.73	7.09	6.1	150	59.3	4.58
	9/1/2017		14.5	0.48 J	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	20.47	7.41	4.87	28	435	4.75
	5/18/2018		20.6	0.35 J	0.76 J	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	18.21	7.66	5.66	31	--	5.05
	8/29/2018	Post	26.9	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	17.80	7.13	17.0	170	65.2	3.09
	11/27/2018		<0.38	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	11.28	7.26	2.8	60	92.1	8.23
MW-14	10/11/2016	Pre	29.9	<0.47	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.06	--	2.5 J	73.2	1,180	12.1 J	--	--	1.2	343.4	15.50	7.35	--	158	28.1	5.31
	3/30/2017		45	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	11.97	7.46	--	205	97	4.52
	8/31/2017		26.6	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	15.02	7.17	3.53	55	552	8.22
	5/17/2018		40	0.35 J	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.70	7.59	3.42	210	--	6.58
	11/27/2018	Post	44	0.34 J	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	12.09	7.42	5.45	140	554	8.37
MW-16	10/11/2016	Pre	11.1	<0.47	<0.45	<0.54	<0.17	<0.5	<0.5	<1	0.52	--	39.9	63.4	952.5	8.74	--	--	0.895	371.5	14.75	7.29	--	269	90	5.08
	3/31/2017		28.1	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	11.35	6.90	--	305	46.4	5.48
	8/31/2017		5.8	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	17.73	7.41	2.88	149	742	5.98
	5/17/2018		20.6	<0.3	<0.37	<0.32	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	15.08	7.53	3.02	172	--	5.74
	11/27/2018	Post	8.9	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	9.47	7.45	3.26	132	268	6.59
MW-19	8/31/2017	Pre	2.44	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	17.16	7.49	1.93	134	0	5.74
	11/27/2018	Post	2.9	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	11.67	7.68	2.42	131	0	9.11
MW-20	8/31/2017	Pre	2.32	<0.45	<0.41	<0.35	<0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	18.91	7.58	2.31	136	--	1.10
	5/17/2018		0.68 J	<0.3	<0.37	<0.32	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	14.15	7.79	2.54	95	--	6.99
	11/27/2018	Post	1.53	<0.3	<0.37	<0.34	<0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	9.10	7.48	2.02	97	174	7.32

Notes:

Bolded values are above laboratory detection limits

Bolded and orange shaded values are above Public Health Enforcement Standards

Bolded and blue shaded values are above Public Health Preventive Action Limits

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

-- = Not Analyzed (or meter malfunction)

µg/L = micrograms per liter

mg/L = milligrams per liter

mV = millivolts

µS/cm = microSiemens

NTU = nephelometric turbidity unit

S.U. = standard unit

Table 4
SOIL ANALYTICAL RESULTS SUMMARY
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Soil Boring Identification	Sample Depth (feet BGS)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Direct Contact Industrial RCL*			145,000	8,410	2,340,000	1,850,000	2,080
Direct Contact Residential RCL*			33,000	1,300	156,000	1,560,000	67.0
Soil to Groundwater RCL*			4.5	3.6	41.2	62.6	0.10
HP-1	2-4	05/06/08	660	<27	<26	<26	<37
HP-2	2-4	05/06/08	380	<27	<26	<26	<37
	6-8	05/06/08	2,700	<27	<26	<26	<37
GP-1	2-4	05/06/08	40	<27	<26	<26	<37
	14-16	05/06/08	69	<27	<26	<26	<37
B-1	2-4	08/12/08	3,080	<25	<25	<25	<25
	9-11	08/12/08	2,090	<25	<25	<25	<25
B-2	6-7	08/12/08	1,660	<25	<25	<25	<25
B-3	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11	08/12/08	<25	<25	<25	<25	<25
B-4	2-4	08/12/08	<25	<25	<25	<25	<25
	7-8	08/12/08	78.2	<25	<25	<25	<25
B-5	2-4	08/12/08	<25	<25	<25	<25	<25
	18-20	08/12/08	46.1 J	<25	<25	<25	<25
B-6	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11.5	08/12/08	<25	<25	<25	<25	<25
B-7	2-4	08/12/08	<25	<25	<25	<25	<25
	6-7	08/12/08	<25	<25	<25	<25	<25
B-8	2-4	08/12/08	<25	<25	<25	<25	<25
	10-11	08/12/08	<25	<25	<25	<25	<25
MW-1	25-27	08/12/08	158	<25	<25	<25	<25
MW-1D	36-37	08/12/08	<25	<25	<25	<25	<25
B-10	0-2	01/04/11	<26	<26	<26	<26	<37
	4-6	01/04/11	<26	<26	<26	<26	<36
	22-24	01/04/11	75	<26	<26	<26	<36
B-13	5-7	05/16/13	<16	<18	<12	<24	<10
	20-22	05/16/13	<16	<17	<12	<23	<9.7
B-15	10-12	05/14/13	<12	<14	<9.0	<18	<7.6
	20-22	05/14/13	<14	<15	<10	<21	<8.6

Table 4
SOIL ANALYTICAL RESULTS SUMMARY
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Soil Boring Identification	Sample Depth (feet BGS)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Direct Contact Industrial RCL*			145,000	8,410	2,340,000	1,850,000	2,080
Direct Contact Residential RCL*			33,000	1,300	156,000	1,560,000	67.0
Soil to Groundwater RCL*			4.5	3.6	41.2	62.6	0.10
B-24	0-2	03/28/18	<32	<41	<32	<28	<19
	8-10	03/28/18	370	<41	<32	<28	<19
	12-14	03/28/18	272	<41	<32	<28	<19
B-25	2-4	03/28/18	<32	<41	<32	<28	<19
	12-14	03/28/18	39 J	<41	<32	<28	<19
	20-22	03/28/18	720	<41	<32	<28	<19
B-26	2-4	03/28/18	197	<41	<32	<28	<19
	6-8	03/28/18	950	<41	<32	<28	<19
	12-14	03/28/18	1,720	<41	<32	<28	<19
	20-22	03/28/18	430	<41	<32	<28	<19
B-27	0-2	03/28/18	<32	<41	<32	<28	<19
	8-10	03/28/18	<32	<41	<32	<28	<19
	18-20	03/28/18	470	<41	<32	<28	<19
B-28	2-4	03/28/18	<32	<41	<32	<28	<19
	10-12	03/28/18	790	<41	<32	<28	<19
B-29	0-2	03/28/18	159	<41	<32	<28	<19
	8-10	03/28/18	3,000	<41	<32	<28	<19
	16-18	03/28/18	3,800	<41	<32	<28	<19
	20-22	03/28/18	53 J	<41	<32	<28	<19

Notes:

* = WDNR Residual Contaminant Level (RCL) based on United States Environmental Protection Agency Region 3, 6, and 9 Regional Screening Levels (November 2017) according to WDNR Publication RR-890.

All concentrations reported in units of micrograms per kilogram (µg/kg)

Bolded and blue shaded values are above WDNR Soil to Groundwater Residual Contaminant Level.

BGS = below ground surface

RCL = Residual Contaminant Level

TABLE 5
SOIL GAS ANALYTICAL RESULTS SUMMARY
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
6143-SG-1s	6/21/2013	20,000	<170	<130	<130	<82
	1/17/2018	1,260	<10.7	<198	<396	<12.8
6143-SG-1d	6/21/2013	80,000	<1000	<770	<770	<500
	1/17/2018	2,440	<10.7	<198	<396	<12.8
6143-SG-2s	6/21/2013	3,600	120	<37	<37	<24
6143-SG-2d	6/21/2013	22,000	<330	<250	<250	<160
	1/17/2018	6,470	<10.7	<198	<396	<12.8
6143-SG-3s	6/21/2013	570	31	<7.9	<7.9	<5.1
6143-SG-3d	6/21/2013	15,000	<170	<130	<130	<82
	1/17/2018	1,610	<10.7	<198	<396	<12.8
6143-SG-5 (MW-15)	9/15/2015	661	<10.7	<198	<396	<12.8
	2/25/2016	<3.19	<1.07	<3.96	<3.96	<0.64
6143-SG-4 (MW-17)	9/15/2015	54.9	<10.7	<198	<396	<12.8
	2/25/2016	<3.19	<1.07	<3.96	<3.96	<0.64
6143-MW-1	1/17/2018	14,700	83.80	<198	<396	<12.8
6143-MW-2	1/17/2018	14.8	<1.07	<19.8	<39.6	<1.28
Large Commercial Soil Gas Vapor Risk Screening Level¹		18,000	880	NE	NE	2,800

Notes:

¹ The Vapor Risk Screening Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for large commercial indoor air with an attenuation factor of 0.01 for soil gas below large commercial buildings.

All concentrations reported in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

Bolded and Orange Shaded values exceed the Large Commercial Vapor Risk Screening Level

Bolded values are above detection limits

NE = Not Established

TABLE 6
SOIL VAPOR EXTRACTION SYSTEM OPERATIONAL DATA

Former OHM-Oconomowoc
36929 Plank Road, Oconomowoc, Wisconsin

Date	Time	Operating Wells	System Runtime	System Vacuum	Effluent Flow Rate	Effluent VOC Concentration	Inlet Temperature	Exhaust Temperature	Dilution
			Hours	inHg	cfm	µg/m ³	°F	°F	(%)
4/11/2017	1820	SVE-1s and 1d	4.4	-13.0	185	23,052	50	185	30
4/12/2017	1339	SVE-1s and 1d	23.0	-17.0	190	16,337	65	205	30
4/13/2017	1035	SVE-1s and 1d	45.8	-11.0	198	22,289	53	165	40
4/20/2017	1037	SVE-1s and 1d	210.6	-12.0	190	3,360	65	180	40
4/27/2017	1102	SVE-1s and 1d	378.7	-12.0	190	2,000	50	170	40
5/4/2017	0852	SVE-1s and 1d	540.5	-9.0	210	1,310	55	133	50
6/5/2017	1512	SVE-1s and 1d	1,314.3	-7.0	207	1,372	62	145	60
7/5/2017	1718	SVE-1s and 1d	2,036.5	-10.0	206	1,090	80	155	60
8/4/2017	0946	SVE-1s and 1d	2,724.4	-7.0	208	2,541	70	130	50
9/8/2017	1330	SVE-1s and 1d	3,566.1	-6.5	218	1,680	65	130	50
10/3/2017	1541	SVE-1s and 1d	3,918.7	-8.0	190	2,060	85	135	50
11/7/2017	1240	SVE-1s	4,493.8	-10.5	160	193	<50	175	30
12/14/2017	1115	SVE-1d	5,376.0	-11.5	133	5,375	<50	190	35
1/18/2018	1217	SVE-1d	5,409.2	-8.0	133	10,731	<50	165	30
2/12/2018	1332	SVE-1d	5,819.7	-9.0	190	1,436	70	163	50
3/6/2018	1535	SVE-1d	6,349.3	-9.5	190	699	75	180	50
4/12/2018	1340	SVE-1d	7,232.8	-11.0	190	712	75	180	50
5/10/2018	1147	SVE-1d	7,902.8	-9.0	190	411	65	170	50
6/1/2018	1201	SVE-1d	8,315.3	-11.0	162	1,012	75	180	50
7/6/2018	1015	SVE-1s and 1d	8,727.1	-10.0	190	--	75	120	40
8/2/2018	0900	SVE-1s and 1d	9,373.9	-10.0	190	526	80	180	45
8/15/2018	1752	SVE-2	9,386.0	-10.0	190	20,865	80	155	40
8/17/2018	1137	SVE-2	9,416.0	-10.0	190	4,980	80	175	40
9/13/2018	1334	SVE-2	10,036.7	-9.50	190	2,330	70	175	50
10/17/2018	1210	SVE-2	10,851.8	-9.70	190	803	50	142	50
11/15/2018	1255	SVE-2	11,549.0	-9.30	190	1,040	<50	140	55
12/17/2018	1030	SVE-2	12,314.0	-9.90	190	779	50	155	55

Notes:

-- = Reading not recorded

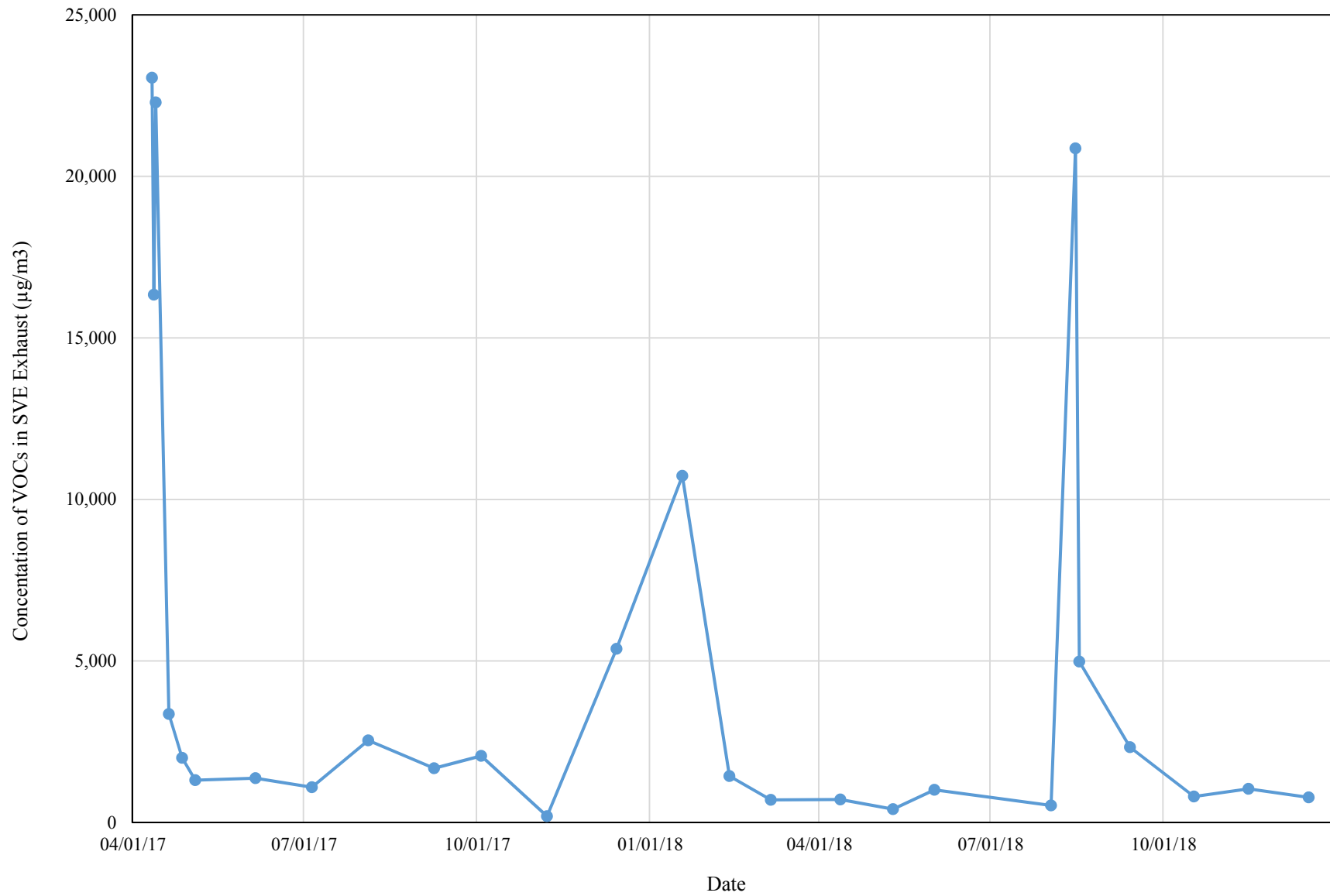
inHg = inches of mercury

cfm = cubic feet per minute

µg/m³ = micrograms per cubic meter

Vapor Phase VOC Concentration Trend

Former OHM-Oconomowoc



Cumulative VOC Mass Removed Former OHM-Oconomowoc

