

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 1 of 7

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. 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.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 2 of 7

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
Cass	Brian		OHM Holdings, Inc		
Mailing Address			City	State	ZIP Code
W229 N2494 Hwy F			Waukesha	WI	53186
Phone # (include area code)	Fax # (include area code)		Email		
(262) 521-9710			brian@ohmholdings.com		

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:
 Responsible party

Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Fassbender	Wayne	P	EnviroForensics LLC		
Mailing Address			City	State	ZIP Code
N16W23390 Stone Ridge Drive, Suite G			Waukesha	WI	53188
Phone # (include area code)	Fax # (include area code)		Email		
(262) 290-4001	(317) 972-7870		wfassbender@enviroforensics.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Same as Contact					
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

Property Owner (if different from requester)

Contact Last Name	First	MI	Organization/ Business Name		
			Exchangeright Net Leased Portfolio 28 DST		
Mailing Address			City	State	ZIP Code
P.O. Box 60308			Pasadena	CA	91106
Phone # (include area code)	Fax # (include area code)		Email		
(855) 711-4047			info@exchangeright.com		

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 3 of 7

Section 2. Property Information

Property Name OHM-Oconomowoc		FID No. (if known) 268087380	
BRRTS No. (if known) 02-68-551911		Parcel Identification Number OCLV0586994003	
Street Address 36929 Plank Rd		City Oconomowoc	State WI
County Waukesha	Municipality where the Property is located <input type="radio"/> City <input type="radio"/> Town <input checked="" type="radio"/> Village of Oconomowoc Lake	Property is composed of: <input type="radio"/> Single tax parcel <input checked="" type="radio"/> Multiple tax parcels	Property Size Acres 8

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: _____

Reason: _____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 4 of 7

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. [Numbers in brackets are for DNR Use]

"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ Include a fee of \$700.

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292.21(1)(c)2., h.-i., Wis. Stats.:
 - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
 - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

"Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ Include a fee of \$700.

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- Perceived environmental contamination - [649];
- hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

**Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request**

Form 4400-237 (R 12/18)

Page 5 of 7

Section 4. Request for Liability Clarification (cont.)

Lease liability clarification - s. 292.55, Wis. Stats. [646]

❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**

- (1) a copy of the proposed lease;
- (2) the name of the current owner of the Property and the person who will lease the Property;
- (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
- (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
- (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
- (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

No Action Required (NAR) - NR 716.05, [682]

❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/igu.html#tabx4.

Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

Technical Assistance, Environmental Liability
Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 6 of 7

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- Phase I Environmental Site Assessment Report - Date: _____
- Phase II Environmental Site Assessment Report - Date: _____
- Legal Description of Property (required for all liability requests and specialized agreements)
- Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

- Groundwater
- Soil
- Sediment
- Other medium - Describe: _____

Date of Collection: _____

- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information - Describe: _____

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

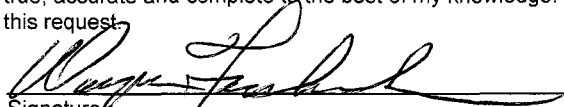
- Yes - Date (if known): _____
- No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:
dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

- I am the person submitting this request (requester)
- I prepared this request for: Brian Cass
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.



Signature

2/10/20

Date Signed

Senior Project Manager

Title

(414) 982-3988

Telephone Number (include area code)

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 7 of 7

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

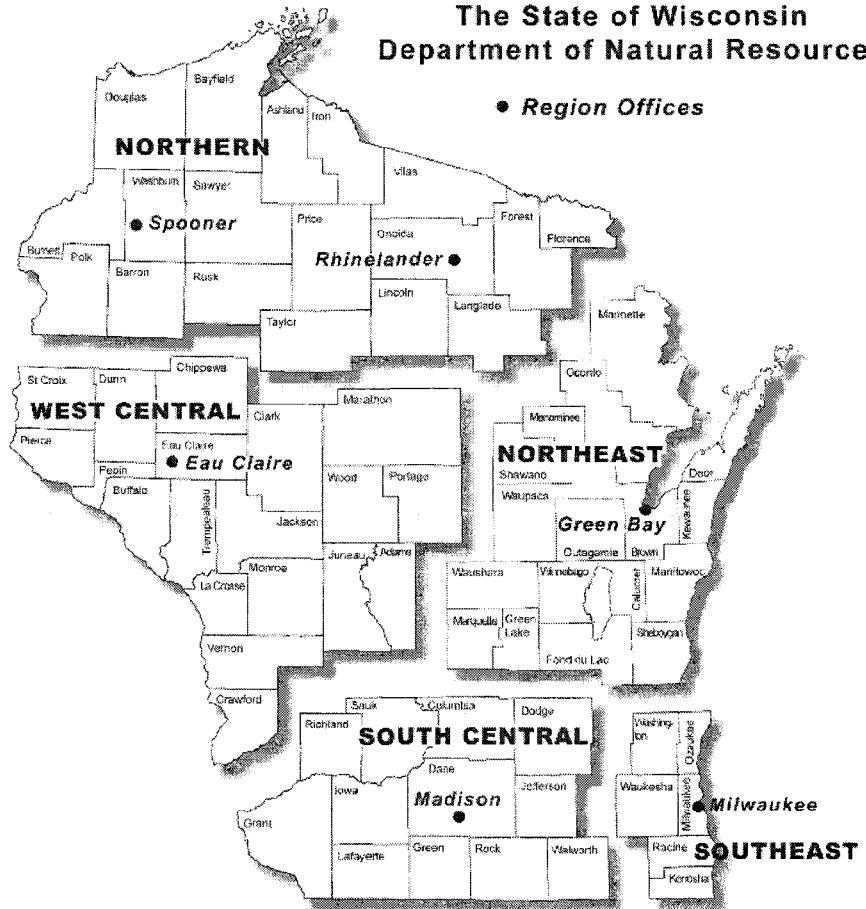
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		



February 6, 2020

Mr. Timothy Alessi, NR Region Program Manager
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

**Re: Remedial Status Update Supplemental to the Semi-Annual Remediation Site
Operation, Maintenance, Monitoring and Optimization Report
Former One Hour Martinizing Cleaner
36929 Plank Road, Oconomowoc, Wisconsin
BRRTS# 02-68-551911**

Dear Mr. Alessi:

EnviroForensics, LLC (EnviroForensics) understands that you have acquired the Wisconsin Department of Natural Resources (WDNR) oversight responsibilities for this project that were formerly those of Jim Delwiche. EnviroForensics is providing this letter report supplemental to the enclosed Remediation Site Operation, Maintenance, Monitoring and Optimization Report required by WDNR (Form 4400-194 with attachments). The purpose of this report is to present additional data regarding the effect that site remedial actions have had on the extent and magnitude of soil and groundwater impacts, and to request WDNR approval to discontinue further active remediation. The appropriate review fee is attached to this submittal. Tables and figures referenced in this document are attached to the Form 4400-194.

Background

The property is located at 36929 Plank Road in Oconomowoc (Site) and was the former location of a dry cleaning operation owned and operated by OHM Holdings, Inc. (OHM). OHM leased commercial space that was attached and adjacent to a former Pick N Save food store from the property owner, Mr. Patrick McAdams. OHM is the responsible party for the contamination. The dry cleaning operation was discontinued in 2008, when the building was demolished to make way for Site improvements and the construction of a new Pick N Save food store. Recently, Mr. McAdams has divided the property into two (2) separate parcels and has sold the eastern parcel containing the Pick N Save store, along with the source area of contamination to Exchangeright of Pasadena, California. Mr. McAdams currently owns the western parcel which is entirely undeveloped and covered with grass. The property boundary divisions can be seen on **Figure 1**, and many of the other figures referenced in this supplementary report.

EnviroForensics has operated a soil vapor extraction (SVE) system at the Site since April of 2017 (refer to Soil Vapor Extraction Remedial System Construction Report, dated June 29, 2017). The SVE system was put in place primarily to remediate vapors that posed a risk of vapor intrusion to the Pick N Save store. This was achieved by removing high concentrations of PCE vapors that had migrated within close proximity of the Pick N Save store and by removing PCE mass from the soil source area..

Site soil consists primarily of densely compacted, fine to coarse grained silty sand and gravel with few cobbles and boulders. The silty sand and gravel unit has been observed below the subgrade to depths of 36 feet bgs. Zones of decreased permeability have been observed locally within this unit due to increased compaction and percentages of silt. Areas in the southwestern portion of the site near MW-8 contained fluvial deposits of well-rounded coarse-grained gravel having much higher permeability.

The water table resides at an approximate depth of 27-28 feet within the source area, and exhibits groundwater impacts. There is a shallow groundwater divide that fluctuates slightly between wells MW-2 and MW-4 as shown on **Figure 1**. The direction of groundwater flow is consistently to the west and to the east/northeast of this divide.

The greatest concentrations of PCE in groundwater corresponded to the general area of soil impacts. A more dilute plume of groundwater impacts above WDNR groundwater enforcement standards (ESs) has approximate dimensions of 1,100 feet long by 250 feet wide and extends approximately 450 feet off site in an east to northeast direction. In June of 2018, EnviroForensics directed the injection of organic compounds, iron compound, and dehalococoides microbes to stimulate reductive dechlorination of the PCE in groundwater. These injections targeted the source area of groundwater impacts, since it was not cost effective to treat the entire plume (refer to Remedial Action Implementation Report, dated July 30, 2018).

Effectiveness of Soil Vapor Extraction Efforts

The distribution of soil impacts within the source area prior to any remedial activities can be seen on **Figure 2**. Two (2) additional soil sampling events during March of 2018, and December of 2019 can be seen on **Figures 3** and **4**, respectively. In comparing the figures, it can be seen that operation of the SVE system has shrunk the area of PCE impacts in soil by more than half. In addition, the concentrations of PCE vapor have been reduced dramatically as seen on **Figure 5** and in **Table 1**. Operation of the SVE system also appears to have had a beneficial effect on groundwater concentrations within the source area, as well. Reductions in groundwater concentrations can be seen after beginning soil venting and prior to remedial groundwater injections on **Figures 6** and **7**. The beneficial effect is likely due to a combination of liquid phase to vapor phase transformations within shallow groundwater due to the impressed negative

pressure related to SVE system operation, and direct recovery and treatment of water vapor condensate from the vadose zone.

The SVE system removed a total of 16.8 pounds of PCE over its 2.5 years of operational history. Since the beginning of 2019, the system produced an average of approximately 0.011 pounds of PCE per day. The system produces a significant amount of condensate (up to 1,000 gallons per month) and is labor intensive to maintain. In addition, electrical costs are high. Total operational costs have been averaging approximately \$50,000 per year. The system has been shut off since late October to allow sufficient time for vapor-phase partitioning prior to the vapor sampling we performed in December.

The primary objective of eliminating the vapor risk to the Pick N Save building has been achieved, along with mass removal and reduction of PCE concentrations within the source area. Although additional years of operation may further reduce the soil impacts shown on **Figure 4**, it is not deemed cost effective to operate the SVE system further. The area of soil impacts is small and the entire area is paved with asphalt to limit future vertical migration of soil contaminants that could be driven by precipitation if the overlying surface was not paved. Additionally, the magnitude of residual CVOC concentrations in soil are low (only a single detection above 1 milligram per kilogram) and concentrations within the upper four (4) feet do not pose a direct contact risk.

Effectiveness of Groundwater Remedial Injections

Due to budget constraints, groundwater remediation was focused within the source area of groundwater impacts. The injection area and layout can be seen on **Figure 8**. Concentration trends in monitoring wells within and close to the source area can be seen in **Table 2**, charts for MW-1 and MW-5 included with Form 4400-194, and on **Figures 6, 7, 9, and 10**. As can be seen from this data, the concentrations of PCE in source area wells MW-1 and MW-5 have decreased significantly over the past 18 months of monitoring, and the source area injections have been deemed successful. Daughter products of reductive dechlorination have appeared in source area wells MW-1 and MW-5 at concentrations exceeding groundwater ES. However, continued degradation of these daughter products to harmless end products are anticipated due to sustained subsurface reducing conditions, the presence of dehalococoides microbes having the correct genetic attributes to reduce vinyl chloride, and the presence of the degradation end product ethene (**Table 3**).

Outside of the source area targeted for remediation, remaining concentrations of PCE in groundwater are less than 50 micrograms per liter ($\mu\text{g/L}$) everywhere within the plume. It appears that the plume may be stable with the furthest down-gradient wells having PCE

concentrations above the groundwater preventative action limit (PAL), but below the groundwater ES.

Further down-gradient, beyond the highway 16 right-of-way, the land surface slopes abruptly downward and is wooded (see **Figure 11**). Both east and north of the wooded area the land transitions to marsh with a small one-third acre pond as the closest surface water body. The Oconomowoc River is located approximately 900-1,000 feet to the northeast. This land is undevelopable. There are no public or private drinking water supply wells within 1,200 feet of the plume. All local businesses and residents are supplied with public drinking water.

Recommendations

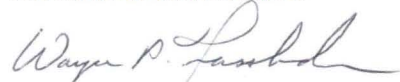
1. Because of the high cost to operate the SVE system versus further anticipated benefit, we recommend that the soil vapor extraction operations be discontinued and the SVE system be decommissioned.
2. The remaining groundwater plume appears to be stable, and does not pose a threat to human health or the environment. Subsurface conditions within the former source area are supportive of continued reductive dechlorination of daughter products. Therefore, due to the high cost of groundwater treatment versus benefit, further groundwater treatment is not recommended.
3. The stability of the groundwater plume should be confirmed with additional groundwater monitoring. EnviroForensics recommends two (2) additional quarterly monitoring events to make a total of eight (8) post-injection monitoring events in accordance with WDNR recommendations for case closure.

If the additional sampling results indicate the groundwater plume is stable and PCE daughter products are continuing to dechlorinate, then case closure will be pursued.

If you have any questions or require additional information, please contact me at 414-982-3988.

Sincerely,

EnviroForensics LLC

A handwritten signature in black ink, appearing to read "Wayne P. Fassbender".

Wayne Fassbender, P.G., P.M.P.

Senior Project Manager

Enclosure: Remediation Site Operation, Maintenance, Monitoring and Optimization Report
(Form 4400-194 with attachments)

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

1. Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) 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 that section of code.
2. Responsible parties should check with the department 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 response.
3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
4. Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting under that provision is through an internet-based form. More information can be found at: <http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>.
5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. 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 (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site Information

A. General Information

1. Site name

One Hour Martinizing - Oconomowoc

2. Reporting period from: 07/01/2019 To: 12/31/2019 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 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
Village of 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, TCE, cis-1,2-DCE, and vinyl chloride

9. Soil types (USCS or USDA)
 silty sand

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

Site name: One Hour Martinizing - Oconomowoc
Reporting period from: 07/01/2019 To: 12/31/2019
Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

Page 2 of 29

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

If yes, give location: Region _____

County _____

Municipality name City Town Village

Township

N

Range

E

W

Section

¼

¼ ¼

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:

Site name: One Hour Martinizing - Oconomowoc
Reporting period from: 07/01/2019 To: 12/31/2019
Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

Page 3 of 29

D. Economic and Cost Data to Date

- Total investigation cost: \$411,100.00
- Implementation costs (design, capital and installation costs, excluding investigation costs): \$476,800.00
- Total costs during the previous reporting period: \$38,850.00
- Total costs during this reporting period: \$46,447.00
- Total anticipated costs for the next reporting period: \$20,000.00
- 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:
One complete round of groundwater sampling was performed, along with soil and soil gas confirmation sampling.


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

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.

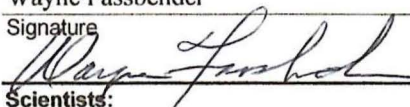
Registered Professional Engineers:

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
Robert Fedorchak	Senior Engineer
Signature 	Date 02/06/2020

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	Senior Project Manager
Signature 	Date 2/6/2020

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

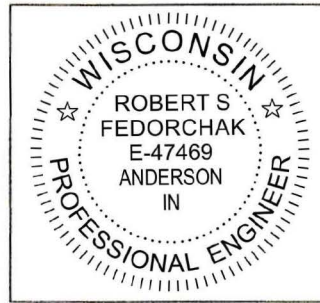
Site name: One Hour Martinizing - Oconomowoc
Reporting period from: 07/01/2019 To: 12/31/2019
Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

Page 4 of 29

Professional Seal(s), if applicable:



Site name: One Hour Martinizing - Oconomowoc
Reporting period from: 07/01/2019 To: 12/31/2019
Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

Page 9 of 29

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: 89.4 %
 - c. Maximum contaminant concentration level in any monitoring well: 47 $\mu\text{g/L}$
2. Is the size of the plume: Increasing Stabalized Decreasing ?
3. Describe the method used to remediate groundwater at the site:
An organic solution along with live dehalococcoides microbes were injected within the groundwater source area to stimulate reductive dechlorination of the PCE parent solvent in June, 2018. Groundwater monitoring has shown reduced PCE concentrations and some production of daughter products.
4. List any additional information required by the DNR for this method for this site:
Injection permit approved by the WDNR in March, 2018. Remedial Action Implementation Report submitted July, 2018.

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: 07/01/2019 To: 12/31/2019
Days in period: 184

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 07/19)

Page 10 of 29

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: 1
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
79.44 days.
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
68%--Intermittent operation started in August. System shut down in late October prior to performing soil gas sampling.
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: 0.015 pounds per day
2. Average contaminant removal rate per well or venting point: 0.015 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.

TABLE 1
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
Soil Gas Vapor Risk Screening Level- Large Commercial/Industrial ¹		18000-180000*	880-8800*	NE	NE	2800-28000*
Soil Gas Vapor Risk Screening Level- Small Commercial ²		6000-18,000*	290-880*	NE	NE	930-2800*
Soil Gas Vapor Risk Screening Level- Residential ³		1400-4200*	70-210*	NE	NE	57-170*
6143-SG-1s	6/21/2013	20,000	<170	<130	<130	<82
	1/17/2018	1,260	<10.7	<198	<396	<12.8
	12/20/2019	86.8	<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
	12/20/2019	248	<10.7	<198	<396	<12.8
6143-SG-2s	6/21/2013	3,600	120	<37	<37	<24
	12/20/2019	231	<10.7	<198	<396	<12.8
6143-SG-2d	6/21/2013	22,000	<330	<250	<250	<160
	1/17/2018	6,470	<10.7	<198	<396	<12.8
	12/20/2019	1,610	<10.7	<198	<396	<12.8
6143-SG-3s	6/21/2013	570	31	<7.9	<7.9	<5.1
	12/20/2019	<3.19	<1.07	<19.8	<39.6	<1.28
6143-SG-3d	6/21/2013	15,000	<170	<130	<130	<82
	1/17/2018	1,610	<10.7	<198	<396	<12.8
	12/20/2019	758	16.7	<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	83.8	<198	<396	<12.8
6143-MW-2	1/17/2018	14.8	<1.07	<19.8	<39.6	<1.28
6143-VP-1s	12/20/2019	28.6	<1.07	<19.8	<39.6	<1.28
6143-VP-1d	12/20/2019	<3.19	<1.07	<19.8	<39.6	<1.28
6143-VP-3s	12/20/2019	372	4.94	<19.8	<39.6	<1.28
6143-VP-3d	12/20/2019	948	13.3	<19.8	<39.6	<1.28

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/industrial

² The Vapor Risk Screening Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for small commercial indoor air with an attenuation factor of 0.03 for soil gas below small commercial buildings.

³ The Vapor Risk Screening Levels are based on U.S. E.P.A.'s Regional Screening Levels (RSL's) for residential indoor air with an attenuation factor of 0.03 for soil gas below residential buildings.

All concentrations reported in units of micrograms per cubic meter (µg/m³)

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

Bolded and Blue Shaded values exceed the Small Commercial Vapor Risk Screening Level

Bolded and Green Shaded values exceed the Residential Vapor Risk Screening Level

Bolded values are above detection limits

* Indicates VRSL for deep soil gas samples

"s" designation is for shallow soil gas samples

"d" designation is for deep soil gas samples

NE = Not Established

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-1	05/08/09	210	0.66 J	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	08/28/09	357	1.9 J	<4.2	<4.4	<0.90	<0.90	<0.43	<0.20
	12/03/09	154	<0.96	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	03/10/10	229	1.0 J	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	06/02/10	140	<0.96	<0.96	<0.96	<0.26	<0.26	<0.43	<0.20
	09/17/10	442	<2.4	<4.2	<4.4	<0.90	<0.90	<2.2	<1.4
	01/07/11	420	2.4	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	167	0.58 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	335	<1.9	<3.3	<3.6	<0.72	<0.72	<1.7	<5.2
	12/19/11	170	0.78 J	<1.0	<1.0	<0.40	<1.3	<1.0	<0.40
	02/28/12	120	0.46 J	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	05/24/12	140	0.81	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	120	0.69	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	169	<3.3	<3.8	<3.5	<1.8	<17	<5	<2.8
	1/3/2014	254	<3.3	<3.8	<3.5	<1.8	<17	<5	<2.8
	3/6/2014	267	2.2 J	<1.9	<1.75	<0.9	<8.5	<2.5	<1.4
	5/29/2014	109	<1.65	<1.9	<1.75	<0.9	<8.5	<2.5	<1.4
	10/9/2014	280	2.63	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	78	<2.35	<2.25	<2.7	<0.85	NA	NA	NA
	11/5/2015	82	0.53 J	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	237	1.50	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	205	<2.25	<2.05	<1.75	<0.95	NA	NA	NA
	9/1/2017	340	1.95	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	44	1.38	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	3.2	0.59 J	0.50 J	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	9.7	7.0	19.5	<0.34	0.76	<2.1	<1.32	<0.26
	3/18/2019	2.7	0.49 J	20.5	<0.34	7.3	<2.1	<1.32	<0.26
	6/6/2019 ^a	2.03	0.44 J	11.1	<0.34	3.9	<2.1	1.73 J	1.31
9/4/2019 ^a	1.35	0.37 J	6.6	<0.34	2.5	<2.1	5.3	<0.26	
12/12/2019	0.78 J	0.44 J	1.19	<0.34	1.41	NA	NA	NA	
MW-1D	08/28/09	7.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	12/03/09	14	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	03/10/10	3.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	06/02/10	4.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/17/10	8.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	01/07/11	2.7	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	2.9	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	3.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	2.0	2.0	<0.50	<0.50	<0.20	0.90 J	<1.0	<0.20
	02/27/12	1.8 J	<0.96	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	05/22/12	2.5	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	4.4	<0.19	8.5	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	0.91 J	0.37 J	2.08	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	0.42 J	<0.33	3.8	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	6.0	1.87	11.3	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	1.37	0.46 J	0.66 J	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	0.77 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	2.33 J	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	2.08	0.53 J	1.01 J	<0.54	<0.17	NA	NA	NA
	10/11/2016	0.57 J	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	<0.48	<0.45	0.85 J	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	0.66 J	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	<0.48	<0.3	0.61 J	<0.34	<0.2	<2.1	<1.32	<0.26
	6/6/2019	0.51 J	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/10/2019	1.1 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-2	08/28/09	14.4	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	12/03/09	31.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	03/10/10	36.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	06/02/10	24.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/17/10	47.8	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	01/07/11	41	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	44.1	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/08/11	41.7	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	51	<0.20	<0.20	<0.20	<0.20	<0.25	<1.0	<0.20
	02/27/12	45	<0.20	<0.20	<0.20	<0.20	<0.25	<1.0	<0.20
	05/23/12	37	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	29.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	37.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	27.8	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	18.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	16.9	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	23	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	1.25 J	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	1.82	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	4.7	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	3/18/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
6/6/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/4/2019	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	2.15	
12/10/2019	0.67 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-3	08/28/09	49.5	0.68 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	12/03/09	63.3	1.0	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	03/10/10	51.6	0.93 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	06/02/10	34.2	0.64 J	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	09/17/10	96.3	3.6	<0.83	<0.89	<0.18	<0.18	<0.43	<0.18
	01/07/11	83	3.3	<0.64	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	72.9	2.7	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	74.4	2.7	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	66	1.2 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/28/12	70	1.2 J	<0.20	<0.20	<0.20	<0.25	<0.68	<0.20
	05/23/12	57	1.3	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	52	2.2	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	65	3.5	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	55	1.88	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	68	2.07	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	56	2.22	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	58	1.78	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	64	1.55	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	54	2.06	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	63	1.91	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	62	1.38 J	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	51	1.28 J	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	52	1.23	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	41	0.79 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	54	0.89 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	3/18/2019	44	0.72 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
6/6/2019	47	0.54 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	33	0.40 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/10/2019	43	0.57 J	<0.37	<0.34	<0.2	NA	NA	NA	

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-4	01/07/11	46	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	69	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	29	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	23	<0.20	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/27/12	19	<0.20	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	05/23/12	35	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	30	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	53	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	19.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	32.0	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	13.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	12.7	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	14.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	11.8	<0.47	<0.54	<0.45	<0.54	NA	NA	NA
	10/13/2016	17.2	<0.47	<0.54	<0.45	<0.54	<1.6	<1.3	<0.43
	4/3/2017	27.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	31.4	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	30.1	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	35	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	52	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	33	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	11.3	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	11.4	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/10/2019	38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-5	01/07/11	140	0.86	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	133	0.77 J	<0.83	<0.89	<0.18	<0.18	<0.61	<1.3
	09/08/11	121	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	110	0.41 J	<0.50	<0.50	<0.20	<0.50	<1.0	<0.20
	02/28/12	140	0.62 J	<0.50	<0.50	<0.20	<0.50	<1.0	<0.20
	05/23/12	89	0.49 J	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/12/2013	98	0.58	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	105	0.75 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	160	1.34	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	180	1.93	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	162	0.96 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	116	1.23	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	152	0.89 J	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	158	<4.7	<4.5	<5.4	<1.7	NA	NA	NA
	10/13/2016	132	0.68	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	67	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	68	<0.45	0.43 J	<0.35	<0.19	NA	NA	NA
	5/18/2018	99	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	43	<0.3	0.47 J	<0.34	<0.2	<2.1	<1.32	<0.26
	11/28/2018	39	0.58 J	0.61 J	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	27.2	0.83 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/7/2019	19.5	1.41	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	21.6	4.9	0.54 J	<0.34	<0.2	<2.1	<1.32	<0.26	
12/12/2019	17.9	19.5	4.0	<0.34	<0.2	NA	NA	NA	

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-6	01/07/11	41	0.38	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	47.3	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	39.2	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	43	0.27 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	02/28/12	36	0.21 J	<0.50	<0.50	<0.20	<0.25	<1.0	<0.20
	05/23/12	27	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/11/2013	19	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	28.8	0.34 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	36	0.71 J	<0.38	<0.35	0.21 J	<1.7	<0.5	<0.28
	3/6/2014	33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	40	0.51 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	34	0.37 J	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	45	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	36	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	26.3	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	29.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	22.2	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	55	0.62 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	27	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	36	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
3/18/2019	35	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
6/6/2019	29.5	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/5/2019	22.8	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/12/2019	25.1	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-7	01/07/11	<0.50	<0.20	<0.50	<0.50	<0.20	<0.20	<1.0	<0.20
	04/27/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<0.20
	09/08/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<0.43	<1.3
	12/19/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<1.0	0.47 J
	02/27/12	<0.45	<0.48	<0.83	<0.89	<0.18	<0.18	<1.0	0.49 J
	05/22/12	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/2/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
3/30/2017	0.55 J	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
12/10/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-8	6/11/2013	1.3	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	1.52	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	1.11	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	1.67	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	0.33 J	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	1.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	2.12 J	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	2.5	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	3.01	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	2.02	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
8/31/2017	3.0	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
12/9/2019	3.2	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-9	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/9/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
MW-10	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/2/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/4/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/10/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
MW-11	6/11/2013	12	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	30.4	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	38	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	34	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	25	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	24	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	23.5	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	23.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	14.5	0.48 J	<0.41	<0.35	<0.19	NA	NA	NA
	5/18/2018	20.6	0.35 J	0.76 J	<0.34	<0.2	<2.1	<1.32	<0.26
	8/29/2018	26.9	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	<0.38	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	3/18/2019	1.37	<0.3	0.46 J	<0.34	<0.2	<2.1	<1.32	<0.26
6/6/2019	4.1	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
9/4/2019	8.7	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26	
12/11/2019	47	0.45 J	<0.37	<0.34	<0.2	NA	NA	NA	
MW-12	6/11/2013	<0.17	<0.19	<0.12	<0.25	<0.10	<0.16	<0.68	<0.20
	10/1/2013	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	1/3/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/6/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/28/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/8/2014	<0.33	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/22/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/10/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/10/2019	0.47 J	<0.3	<0.37	<0.34	<0.2	NA	NA	NA

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-13	1/3/2014	1.15	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	3/5/2014	1.27	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	1.73	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	1.20	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	4/15/2015	2.57	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	3.90	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	2.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	3.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	5.2	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	9.6	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
8/31/2017	2.3	<0.45	<0.41	<0.35	<0.19	NA	NA	NA	
12/11/2019	5.6	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-14	4/15/2015	10.50	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	12.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	6.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	12.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	29.9	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	45	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	26.6	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	40	0.35 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	11/27/2018	44	0.34 J	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	9/5/2019	34	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
12/11/2019	38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-15	4/15/2015	2.97	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/22/2015	10.7	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	3.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	8.2	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	9.2	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	6.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/11/2019	15.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-16	8/3/2015	2.99	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	4.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	11.1	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	28.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	5.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	20.6	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	11/27/2018	8.9	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	9/5/2019	14.9	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
12/11/2019	6.3	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
MW-17	8/3/2015	8.4	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	11.1	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/13/2016	7.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/31/2017	13.1	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	1.57	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/10/2019	6.8	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
MW-18	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	2.3	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/9/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
MW-19	8/31/2017	2.44	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	11/27/2018	2.9	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	9/4/2019	2.16	<0.3	<0.37	<0.34	<0.2	<2.1	<1.32	<0.26
	12/11/2019	2.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA

TABLE 2
MONITORING WELL SAMPLE 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	Methylene chloride	Chloroform
Preventive Action Limit		0.5	0.5	7	20	0.02	10	0.5	0.6
Enforcement Standard		5	5	70	100	0.2	100	5	6
MW-20	8/31/2017	2.32	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	5/17/2018	0.68 J	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	11/27/2018	1.53	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	9/4/2019	1.3	<0.3	<0.37	<0.32	<0.2	<2.1	<1.32	<0.26
	12/9/2019	1.7	<0.3	<0.37	<0.34	<0.2	NA	NA	NA
PZ-1	1/3/2014	8.9	<0.33	<0.38	<0.35	0.26 J	<1.7	<0.5	<0.28
	3/6/2014	8.5	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	5/29/2014	6.3	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	10/9/2014	7.1	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	4/15/2015	<0.74	<0.33	<0.38	<0.35	<0.18	<1.7	<0.5	<0.28
	6/23/2015	10.6	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/5/2015	9.8	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	11.4	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	4/3/2017	17.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	9/1/2017	10.8	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
12/12/2019	6.6	<0.3	<0.37	<0.34	<0.2	NA	NA	NA	
PZ-2	4/15/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	6/23/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	8/3/2015	<0.74	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	11/6/2015	<0.49	<0.47	<0.45	<0.54	<0.17	NA	NA	NA
	10/11/2016	<0.49	<0.47	<0.45	<0.54	<0.17	<1.6	<1.3	<0.43
	3/30/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	8/31/2017	<0.48	<0.45	<0.41	<0.35	<0.19	NA	NA	NA
	12/11/2019	<0.38	<0.3	<0.37	<0.34	<0.2	NA	NA	NA

Notes:

Samples analyzed using EPA SW-846 Method 8260

All concentrations reported in units of micrograms per liter (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 = Estimated concentration between the laboratory Method Detection Limit and Reporting Limit

NA = Not Analyzed

³ = Methylene Chloride detected at a concentration above the preventive action limit

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

Monitoring Well Identification	Sample Date	Injection Pre/Post	Dissolved Gases			Dehalococoides (DHC)				Inorganic/ Physical Parameters								Field-Measured Parameters						
			Ethane µg/L	Ethene µg/L	Methane µg/L	DHC cells/mL	tecA Reductase cells/mL	BAVI Vinyl Chloride Reductase cells/mL	Vinyl Chloride Reductase cells/mL	Dissolved Iron mg/L	Total Iron mg/L	Dissolved Manganese µg/L	Sulfate mg/L	Chloride mg/L	Nitrite plus Nitrate mg/L	Nitrate mg/L	Nitrite mg/L	Total Organic Carbon (TOC) mg/L	Alkalinity mg/L	Temperature °C	pH S.U.	Specific Conductance µS/cm	Oxidation-Reduction Potential mV	Turbidity NTU
MW-6	10/13/2016	Pre	<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		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.06	7.14	4.47	280	989	4.40
	9/1/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.24	7.45	4.73	136	800	5.76
	5/18/2018	Post	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.64	7.80	4.90	212	--	6.27
	8/29/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.00	7.33	18.9	184	877	6.90
	11/27/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.66	7.79	5.67	22	0	6.74
	3/18/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.18	7.60	5.10	-54	591	2.54
	6/6/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.64	7.55	5.57	106	860	2.49
12/12/2019	<0.5	<0.5	<1	--	--	--	--	0.49	2.67	--	140	--	0.70 J	--	--	--	--	8.71	7.32	5.73	207	572	4.54	
MW-11	10/13/2016	Pre	<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		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.73	7.09	6.1	150	59.3	4.58
	9/1/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.47	7.41	4.87	28	435	4.75
	5/18/2018	Post	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.21	7.66	5.66	31	--	5.05
	8/29/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.80	7.13	17.0	170	65.2	3.09
	11/27/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.28	7.26	2.8	60	92.1	8.23
	3/18/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.90	7.33	3.15	9	--	7.74
	6/6/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.46	7.61	7.19	-57	398.00	4.21
12/11/2019	<0.5	<0.5	12.3	--	--	--	--	0.41	1.63	--	122	--	0.96 J	--	--	--	--	11.10	7.31	5.87	3	198.00	4.75	
MW-14	10/11/2016	Pre	<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		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.97	7.46	--	205	97	4.52
	8/31/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.02	7.17	3.53	55	552	8.22
	5/17/2018	Post	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.70	7.59	3.42	210	--	6.58
	11/27/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.09	7.42	5.45	140	554	8.37
	12/11/2019		<0.5	<0.5	<1	--	--	--	--	0.03 J	1.04	--	106	--	3.11	--	--	--	--	9.25	7.28	4.48	173	171
MW-16	10/11/2016	Pre	<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		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.35	6.90	--	305	46.4	5.48
	8/31/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.73	7.41	2.88	149	742	5.98
	5/17/2018	Post	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.08	7.53	3.02	172	--	5.74
	11/27/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.47	7.45	3.26	132	268	6.59
12/11/2019	<0.5	<0.5	<1	--	--	--	--	0.87	3.0	--	76.3	--	6.07	--	--	--	--	10.37	7.24	3.98	63	449	7.55	
MW-19	8/31/2017	Pre	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.16	7.49	1.93	134	0	5.74
	11/27/2018	Post	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.67	7.68	2.42	131	0	9.11
MW-20	12/11/2019		<0.5	<0.5	<1	--	--	--	0.05 J	0.08	--	36.9	--	3.35	--	--	--	--	11.17	7.25	2.5	197	8.05	7.98
	8/31/2017	Pre	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.91	7.58	2.31	136	--	1.10
	5/17/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.15	7.79	2.54	95	--	6.99
PZ-1	11/27/2018	Post	<0.5	<0.5	<1	--	--	--	0.87	3	--	76.3	--	6.07	--	--	--	--	9.10	7.48	2.02	97	174	7.32
	10/11/2016	Pre	<0.5	<0.5	<1	--	--	--	0.04 J	--	33.4	95.2	1,934.1	14.1	--	--	1.39	339.5	--	--	--	--	--	--
	12/12/2019	Post	<0.5	<0.5	<1	--	--	--	0.05 J	0.4	--	67.3	--	3.50	--	--	--	--	11.17	7.14	4.51	187	3.76	4.12

Notes:
 J = Estimated concentration between the laboratory Method Detection Limit and Reporting 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
B-30	0-5	12/11/19	<32	<41	<32	<28	<19
	15-20	12/11/19	<32	<41	<32	<28	<19
	20-25	12/11/19	<32	<41	<32	<28	<19
B-31	0-5	12/11/19	<32	<41	<32	<28	<19
	10-15	12/11/19	370	<41	<32	<28	<19
	17.5-20	12/11/19	48 J	<41	<32	<28	<19
B-32	0-5	12/11/19	210	<41	<32	<28	<19
	10-12.5	12/11/19	450	<41	<32	<28	<19
B-33	0-5	12/11/19	102	<41	<32	<28	<19
	15-17.5	12/11/19	3,700	<41	<32	<28	<19

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-34	0-5	12/11/19	<32	<41	<32	<28	<19
	10-12.5	12/11/19	35 J	<41	<32	<28	<19
B-35	0-5	12/11/19	<32	<41	<32	<28	<19
	12.5-15	12/11/19	<32	<41	<32	<28	<19
B-36	0-5	12/11/19	<32	<41	<32	<28	<19
	10-12.5	12/11/19	<32	<41	<32	<28	<19
B-37	0-5	12/11/19	<32	<41	<32	<28	<19
	12.5-15	12/11/19	<32	<41	<32	<28	<19

Notes:

* = WDNR Residual Contaminant Level (RCL) calculated according to the procedures described in 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 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
1/16/2019	1110	SVE-1s/1d and SVE-2	13,034.4	-10.00	190	1,050	50	155	35
1/25/2019	1525	SVE-1d and SVE-2	13,173.8	-9.50	204	NS	<50	135	30
2/13/2019	1456	SVE-2	13,464.7	-10.50	154	864	70	180	50
3/20/2019	1455	SVE-2	13,747.5	-10.50	190	NS	50	135	50
4/12/2019	1352	SVE-2	14,295.6	-10.50	190	697	50	160	55
5/15/2019	940	SVE-2	15,083.1	-10.06	190	326	85	195	55
6/7/2019	1124	SVE-2	15,636.0	-9.92	200	808.6	90	200	55
7/9/2019	920	SVE-2	16,326.3	-10.14	143	555	95	200	55
8/15/2019	958	SVE-2	17,159.9	-10.13	152	870	80	175	55
8/26/2019	1630	SVE-2	17,160.6	-6.00	185	4,733	75	153	50
9/6/2019	1005	SVE-2	17,417.8	-10.01	152	489	75	175	50
9/16/2019	935	SVE-2	17,418.0	-9.83	190	3,130	75	125	50
10/2/2019	1120	SVE-2	17,804.2	-6.50	165	834	63	162	50
10/15/2019	1500	SVE-2	17,804.5	-5.00	125	2,126	60	135	50
10/25/2019	1125	SVE-2	18,040.9	-6.50	210	586	60	135	50

Notes:

-- = Reading not recorded

inHg = inches of mercury

cfm = cubic feet per minute

µg/m³ = micrograms per cubic meter

Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-1	10.0	857.4 - 867.4	892.88	08/28/09	28.07	864.81
				11/09/09	28.56	864.32
				12/03/09	28.71	864.17
				03/08/10	29.03	863.85
				06/02/10	28.48	864.40
				01/07/11	28.46	864.42
				04/27/11	27.42	865.46
				09/07/11	28.70	864.18
				12/19/11	29.10	863.78
				02/27/12	29.31	863.57
				05/22/12	28.76	864.12
				06/11/13	27.19	865.69
				10/01/13	27.66	865.22
				01/02/14	28.54	864.34
				05/28/14	28.29	864.59
				10/09/14	28.90	863.98
				04/27/15	29.39	863.49
				06/22/15	29.29	863.59
				08/03/15	29.23	863.65
				11/04/15	29.28	863.60
				10/10/16	28.13	864.75
				03/28/17	28.34	864.54
				09/07/17	27.97	864.91
05/17/18	28.35	864.53				
11/27/18	27.27	865.61				
03/18/19	27.71	865.17				
06/05/19	27.20	865.68				
09/04/19	27.11	865.77				
12/09/19	26.76	866.12				
		<i>Max</i>		29.39	866.12	
		<i>Min</i>		26.76	863.49	
		<i>Avg</i>		28.32	864.56	
MW-1D	5.0	842.6 - 847.6	892.58	08/28/09	27.67	864.91
				11/09/09	28.15	864.43
				12/03/09	28.31	864.27
				03/08/10	28.68	863.90
				06/02/10	28.08	864.50
				01/07/11	28.06	864.52
				04/27/11	27.63	864.95
				09/07/11	28.30	864.28
				12/19/11	28.73	863.85
				02/27/12	29.00	863.58
				05/22/12	28.44	864.14
				06/11/13	26.90	865.68
				10/01/13	27.29	865.29
				01/02/14	28.16	864.42
				05/28/14	28.15	864.43
				10/09/14	29.92	862.66
				04/27/15	29.05	863.53
				06/22/15	28.92	863.66
				08/03/15	28.87	863.71
				11/04/15	45.80	846.78
				10/10/16	27.77	864.81
				03/28/17	27.97	864.61
				09/07/17	26.92	865.66
05/17/18	28.09	864.49				
11/27/18	27.23	865.35				
06/05/19	27.62	864.96				
12/09/19	26.92	865.66				
		<i>Max</i>		45.80	846.68	
		<i>Min</i>		26.90	846.78	
		<i>Avg</i>		28.76	863.82	

Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-2	10.0	855.8 - 865.8	891.24	08/28/09	26.00	865.24
				11/09/09	26.58	864.66
				12/03/09	28.72	862.52
				03/08/10	27.09	864.15
				06/02/10	26.51	864.73
				01/07/11	26.40	864.84
				04/27/11	26.03	865.21
				09/07/11	26.74	864.50
				12/19/11	27.20	864.04
				02/27/12	27.46	863.78
				05/22/12	26.89	864.35
				06/11/13	25.22	866.05
				10/01/13	25.63	865.64
			01/02/14	26.57	864.70	
			05/28/14	26.35	864.92	
			10/09/14	27.06	864.21	
			04/27/15	27.53	863.74	
			06/22/15	27.44	863.83	
			08/03/15	27.38	863.89	
			11/04/15	27.42	863.85	
			10/10/16	26.13	865.14	
			03/28/17	26.37	864.90	
			09/07/17	25.93	865.34	
			05/17/18	26.41	864.86	
			11/27/18	24.95	866.32	
			03/18/19	24.60	866.67	
06/05/19	24.60	866.67				
09/04/19	25.49	865.78				
12/09/19	24.86	866.41				
<i>Max</i>					28.72	866.67
<i>Min</i>					24.60	862.52
<i>Avg</i>					26.40	864.86
MW-3	10.0	856.9 - 866.9	892.88	08/28/09	27.66	865.22
				11/09/09	28.31	864.57
				12/03/09	28.48	864.40
				03/08/10	28.80	864.08
				06/02/10	28.21	864.67
				01/07/11	28.12	864.76
				04/27/11	27.72	865.16
				09/07/11	28.40	864.48
				12/19/11	28.93	863.95
				02/27/12	29.16	863.72
				05/22/12	28.58	864.30
				06/11/13	26.90	865.98
				10/01/13	27.33	865.55
				01/02/14	28.27	864.61
				05/28/14	28.06	864.82
				10/09/14	28.73	864.15
				04/27/15	29.23	863.65
				06/22/15	29.12	863.76
				08/03/15	29.16	863.72
				11/04/15	29.06	863.82
				10/10/16	27.86	865.02
				03/28/17	28.06	864.82
				09/07/17	27.63	865.25
				05/17/18	28.11	864.77
				11/27/18	27.06	865.82
				03/18/19	27.52	865.36
06/05/19	26.88	866.00				
09/04/19	27.51	865.37				
12/09/19	26.97	865.91				
<i>Max</i>					29.23	866.00
<i>Min</i>					26.88	863.65
<i>Avg</i>					28.13	864.75

Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-4	10.0	857.0 - 867.0	891.72	01/07/11	26.55	865.17
				04/27/11	26.70	865.02
				09/07/11	26.60	865.12
				12/19/11	27.42	864.30
				02/27/12	27.68	864.04
				05/22/12	27.17	864.55
				06/11/13	25.41	866.31
				10/01/13	24.46	867.26
				01/02/14	26.8	864.92
				05/28/14	26.56	865.16
				10/09/14	27.30	864.42
				04/27/15	27.91	863.81
				06/22/15	27.74	863.98
				08/03/15	27.65	864.07
				11/04/15	27.71	864.01
				10/10/16	26.38	865.34
				03/28/17	26.64	865.08
				09/07/17	26.10	865.62
				05/17/18	26.22	865.50
				11/27/18	25.59	866.13
				03/18/19	26.05	865.67
06/05/19	25.17	866.55				
09/04/19	26.00	865.72				
12/09/19	25.47	866.25				
		<i>Max</i>		27.91	867.26	
		<i>Min</i>		24.46	863.81	
		<i>Avg</i>		26.62	865.15	
MW-5	10.0	859.2 - 869.2	893.69	01/07/11	29.47	864.22
				04/27/11	29.06	864.63
				09/07/11	29.70	863.99
				12/19/11	30.09	863.60
				02/27/12	30.29	863.40
				05/22/12	29.77	863.92
				06/11/13	28.12	865.57
				10/01/13	28.74	864.95
				01/02/14	29.57	864.12
				05/28/14	29.28	864.41
				10/09/14	28.40	865.29
				04/27/15	30.32	863.37
				06/22/15	30.22	863.47
				08/03/15	30.18	863.51
				11/04/15	30.23	863.46
				10/10/16	29.15	864.54
				03/28/17	29.33	864.36
				09/07/17	29.03	864.66
				05/17/18	29.35	864.34
				11/27/18	28.43	865.26
				03/18/19	28.90	864.79
06/05/19	28.28	865.41				
09/04/19	28.81	864.88				
12/09/19	28.36	865.33				
		<i>Max</i>		30.32	865.57	
		<i>Min</i>		28.12	863.37	
		<i>Avg</i>		29.30	864.25	
MW-6	10.0	858.7 - 868.7	NA	01/07/11	29.68	NA
				04/27/11	29.19	NA
				09/07/11	29.85	NA
				12/19/11	30.13	NA
				02/27/12	30.34	NA
				05/22/12	29.78	NA
				06/11/13	28.35	865.22
				10/01/13	28.95	864.62
				01/02/14	29.7	863.87
			893.57	05/28/14	29.36	864.21
				10/09/14	30.11	863.46
				04/27/15	30.35	863.22
				06/22/15	30.25	863.32
				08/03/15	30.24	863.33
				11/04/15	30.30	863.27
				10/10/16	29.25	864.32
				03/28/17	29.42	864.15
				09/07/17	29.20	864.37
				05/17/18	29.40	864.17
				11/27/18	28.63	864.94
			03/18/19	29.02	864.55	
06/05/19	28.49	865.08				
09/04/19	29.02	864.55				
12/09/19	28.35	865.22				
		<i>Max</i>		30.35	865.22	
		<i>Min</i>		28.35	863.22	
		<i>Avg</i>		29.47	864.22	

Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-7	10.0	856.4 - 866.4	891.51	01/07/11	26.58	864.93
				04/27/11	26.00	865.51
				09/07/11	26.88	864.63
				12/19/11	27.37	864.14
				02/27/12	27.70	863.81
				05/22/12	26.80	864.71
				06/11/13	25.02	866.49
				10/01/13	25.02	866.49
				01/02/14	26.77	864.74
				05/28/14	26.16	865.35
				10/09/14	27.28	864.23
				04/27/15	27.49	864.02
				06/22/15	27.19	864.32
				08/03/15	27.41	864.10
				11/04/15	27.55	863.96
				10/10/16	26.27	865.24
				03/28/17	26.55	864.96
09/07/17	26.05	865.46				
12/09/19	25.51	866.00				
<i>Max</i>					27.70	866.49
<i>Min</i>					25.02	863.81
<i>Avg</i>					26.61	864.90
MW-8	10.0	858.3 - 868.3	887.73	06/11/13	21.55	866.18
				10/01/13	21.96	865.77
				01/02/14	22.98	864.75
				05/28/14	22.65	865.08
				10/09/14	23.54	864.19
				04/27/15	23.96	863.77
				06/22/15	23.83	863.90
				08/03/15	23.86	863.87
				11/04/15	23.95	863.78
				10/10/16	22.80	864.93
				03/28/17	22.85	864.88
				09/07/17	22.26	865.47
				12/09/19	21.76	865.97
<i>Max</i>					23.96	866.18
<i>Min</i>					21.55	863.77
<i>Avg</i>					22.92	864.81
MW-9	10.0	860.0 - 870.0	889.32	06/11/13	23.48	865.84
				10/01/13	23.88	865.44
				01/02/14	24.88	864.44
				05/28/14	24.46	864.86
				10/09/14	25.45	863.87
				04/27/15	25.80	863.52
				06/22/15	25.61	863.71
				08/03/15	25.79	863.53
				11/04/15	25.90	863.42
				10/10/16	24.50	864.82
				03/28/17	24.72	864.60
				09/07/17	24.04	865.28
				12/09/19	23.58	865.74
<i>Max</i>					25.90	865.84
<i>Min</i>					23.48	863.42
<i>Avg</i>					24.78	864.54
MW-10	10.0	862.0 - 872.0	895.61	06/11/13	29.53	866.08
				10/01/13	29.95	865.66
				01/02/14	30.89	864.72
				05/28/14	30.72	864.89
				10/09/14	31.35	864.26
				04/27/15	31.87	863.74
				06/22/15	31.81	863.80
				08/03/15	31.70	863.91
				11/04/15	31.69	863.92
				10/10/16	30.50	865.11
				03/28/17	30.65	864.96
				09/07/17	30.29	865.32
				12/09/19	29.66	865.95
<i>Max</i>					31.87	866.08
<i>Min</i>					29.53	863.74
<i>Avg</i>					30.82	864.79

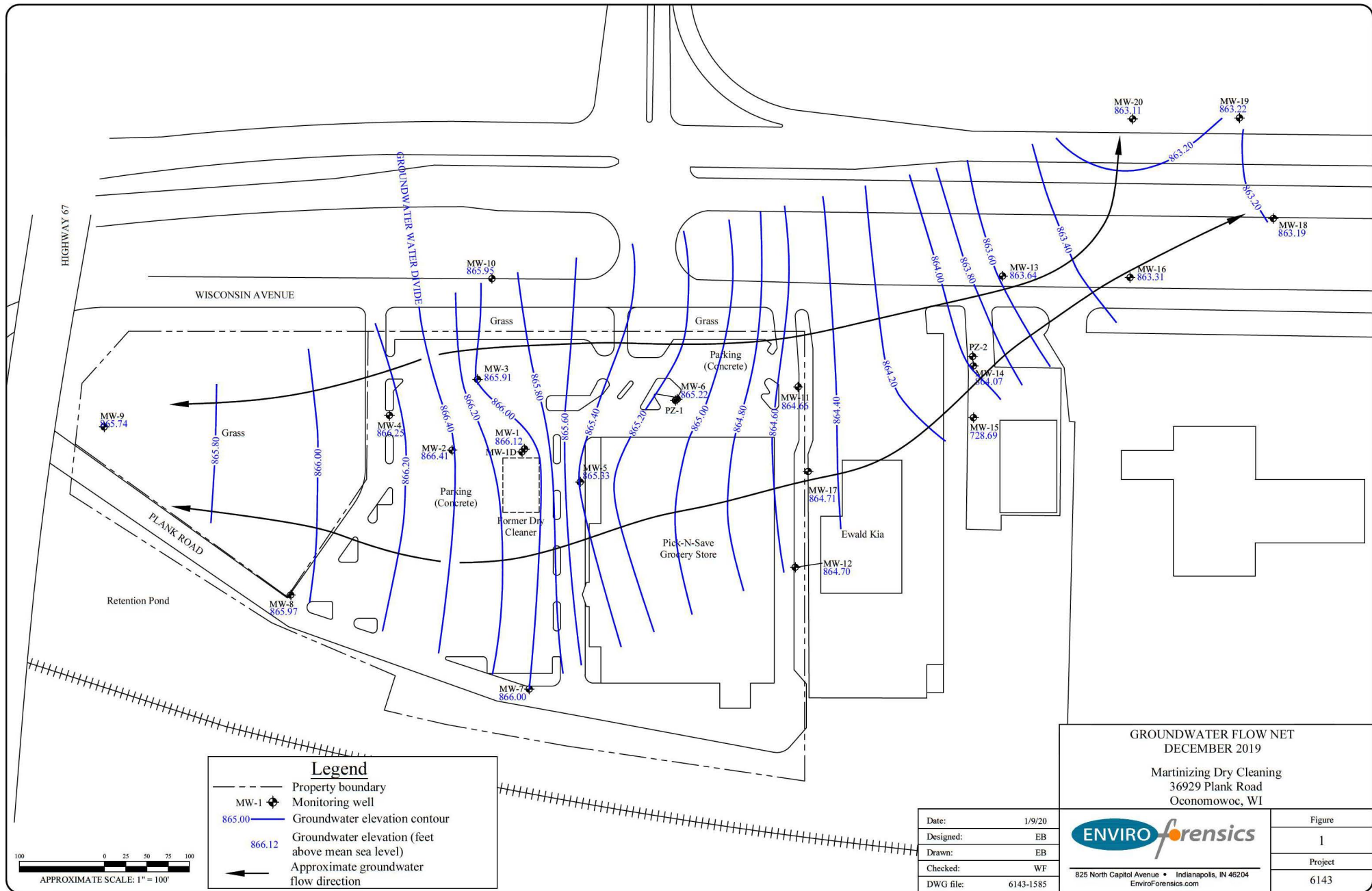
Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)				
MW-11	10.0	859.2 - 869.2	893.44	06/11/13	29.60	863.84				
				10/01/13	29.25	864.19				
				01/02/14	29.94	863.50				
				05/28/14	29.52	863.92				
				10/09/14	30.28	863.16				
				04/27/15	30.38	863.06				
				06/22/15	30.26	863.18				
				08/03/15	30.33	863.11				
				11/04/15	30.38	863.06				
				10/10/16	29.47	863.97				
				03/28/17	29.55	863.89				
				09/07/17	29.46	863.98				
				05/17/18	29.42	864.02				
				11/27/18	28.30	865.14				
				03/18/19	29.16	864.28				
				06/05/19	28.69	864.75				
09/04/19	29.19	864.25								
12/09/19	28.78	864.66								
<i>Max</i>					30.38	865.14				
<i>Min</i>					28.30	863.06				
<i>Avg</i>					29.55	863.89				
MW-12	10.0	859.6 - 869.6	893.05	06/11/13	27.95	865.10				
				10/01/13	28.69	864.36				
				01/02/14	29.41	863.64				
				05/28/14	28.92	864.13				
				10/09/14	29.78	863.27				
				04/27/15	29.87	863.18				
				06/22/15	29.25	863.80				
				08/03/15	29.81	863.24				
				11/04/15	29.86	863.19				
				10/10/16	28.90	864.15				
				03/28/17	29.04	864.01				
				09/07/17	28.92	864.13				
				12/09/19	28.35	864.70				
				<i>Max</i>					29.87	865.10
				<i>Min</i>					27.95	863.18
				<i>Avg</i>					29.13	863.92
MW-13	10.0	857.1 - 867.1	892.12	01/02/14	29.47	862.65				
				05/28/14	28.96	863.16				
				10/09/14	29.77	862.35				
				04/15/15	29.46	862.66				
				04/27/15	29.47	862.65				
				06/22/15	29.43	862.69				
				08/03/15	29.78	862.34				
				11/04/15	29.71	862.41				
				10/10/16	29.13	862.99				
				03/28/17	28.92	863.20				
				09/07/17	29.78	862.34				
				12/09/19	28.48	863.64				
				<i>Max</i>					29.78	863.64
				<i>Min</i>					28.48	862.34
				<i>Avg</i>					29.36	862.76
				MW-14	10.0	858.0 - 873.0	894.00	04/15/15	31.29	862.71
04/27/15	31.14	862.86								
06/22/15	31.08	862.92								
08/03/15	31.33	862.67								
11/04/15	31.30	862.70								
10/10/16	30.58	863.42								
03/28/17	30.51	863.49								
09/07/17	30.78	863.22								
05/17/18	30.29	863.71								
11/27/18	30.09	863.91								
09/04/19	30.45	863.55								
12/09/19	29.93	864.07								
<i>Max</i>								31.33	864.07	
<i>Min</i>								29.93	862.67	
<i>Avg</i>								30.73	863.27	
MW-15	10.0	856.4 - 871.4	893.89					04/15/15	31.18	862.71
				04/27/15	30.97	862.92				
				06/22/15	30.90	862.99				
				08/03/15	31.13	862.76				
				11/04/15	31.12	862.77				
				10/10/16	30.35	863.54				
				03/28/17	30.32	863.57				
				09/07/17	30.36	863.53				
				12/09/19	29.72	864.17				
				<i>Max</i>					31.18	864.17
				<i>Min</i>					29.72	862.71
				<i>Avg</i>					30.67	863.22

Table 6
SUMMARY OF GROUNDWATER ELEVATION DATA
Former One Hour Martinizing Cleaners
Oconomowoc, Wisconsin

Well ID	Screen Length (feet)	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)				
MW-16	10.0	854.7 - 864.7	890.67	08/03/15	28.25	862.42				
				11/04/15	28.52	862.15				
				10/10/16	28.03	862.64				
				03/28/17	27.72	862.95				
				09/07/17	27.92	862.75				
				05/11/18	27.33	863.34				
				11/27/18	27.57	863.10				
				09/04/19	27.93	862.74				
				12/09/19	27.36	863.31				
				<i>Max</i>					28.52	863.34
<i>Min</i>					27.33	862.15				
<i>Avg</i>					27.85	862.82				
MW-17	10.0	858.1 - 873.1	895.63	08/03/15	32.49	863.14				
				11/04/15	32.50	863.13				
				10/10/16	31.65	863.98				
				03/28/17	31.71	863.92				
				09/07/17	31.59	864.04				
				12/09/19	30.92	864.71				
				<i>Max</i>					32.50	864.71
				<i>Min</i>					30.92	863.13
				<i>Avg</i>					31.81	863.82
				MW-18	10.0	856.5 - 866.5	882.37	09/07/17	19.66	862.71
12/09/19	19.18	863.19								
<i>Max</i>								19.66	862.71	
<i>Min</i>								19.66	862.71	
<i>Avg</i>								19.66	862.71	
MW-19	10.0	855.8 - 865.8	883.02	09/07/17	20.40	862.62				
				05/17/18	19.82	863.20				
				11/27/18	19.97	863.05				
				09/04/19	20.35	862.67				
				12/09/19	19.80	863.22				
				<i>Max</i>					20.40	863.22
				<i>Min</i>					19.80	862.62
<i>Avg</i>					20.07	862.95				
MW-20	10.0	855.8 - 865.8	886.11	09/07/17	23.81	862.30				
				05/17/18	23.00	863.11				
				11/27/18	23.05	863.06				
				09/04/19	23.54	862.57				
				12/09/19	23.00	863.11				
				<i>Max</i>					23.81	863.11
<i>Min</i>					23.00	862.30				
<i>Avg</i>					23.28	862.83				
PZ-1	5.0	838.6 - 843.6	893.57	01/02/14	29.46	864.11				
				05/28/14	29.31	864.26				
				10/09/14	29.88	863.69				
				04/27/15	31.21	862.36				
				06/22/15	30.10	863.47				
				08/03/15	30.23	863.34				
				11/04/15	32.14	861.43				
				10/10/16	29.07	864.50				
				03/28/17	29.23	864.34				
				09/07/17	28.33	865.24				
				12/09/19	28.20	865.37				
				<i>Max</i>					32.14	865.37
				<i>Min</i>					28.20	861.43
<i>Avg</i>					29.74	863.83				
PZ-2	5.0	837.5 - 842.5	894.01	04/15/15	29.96	864.05				
				04/27/15	30.76	863.25				
				06/22/15	30.70	863.31				
				08/03/15	30.91	863.10				
				11/04/15	30.78	863.23				
				10/10/16	29.80	864.21				
				03/28/17	29.94	864.07				
				09/07/17	29.93	864.08				
				12/09/19	29.13	864.88				
				<i>Max</i>					30.91	864.88
<i>Min</i>					29.13	863.10				
<i>Avg</i>					30.21	863.80				

Notes:
All measurements recorded in feet
TOC = Top of Casing
AMSL = Above Mean Seal Level
NA = not available



Legend

- Property boundary
- MW-1 Monitoring well
- 865.00 Groundwater elevation contour
- 866.12 Groundwater elevation (feet above mean sea level)
- Approximate groundwater flow direction

GROUNDWATER FLOW NET
DECEMBER 2019

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI









Date:	1/9/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1585

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

Figure	1
Project	6143

Grass

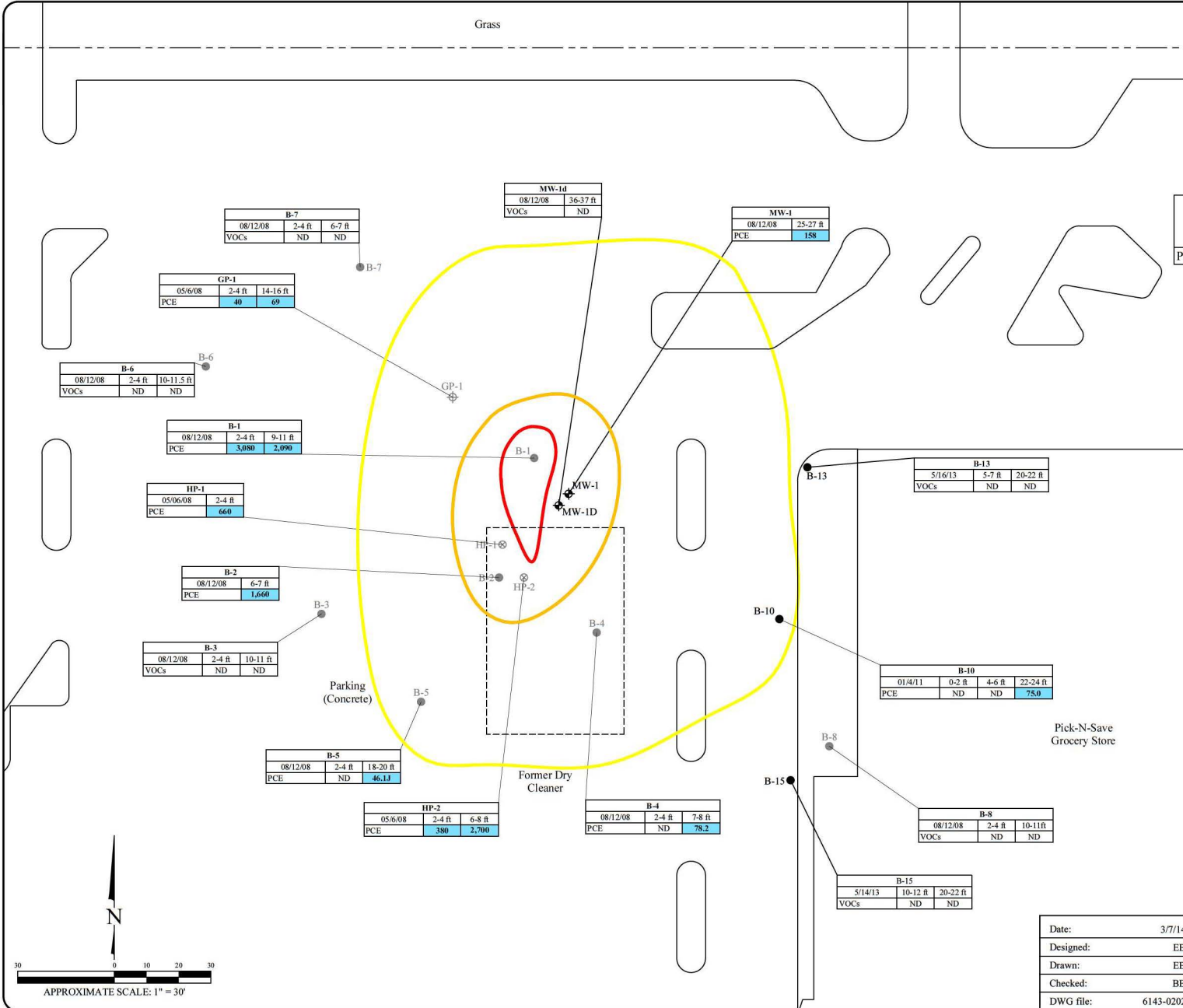
Legend

- MW-1  Property boundary
- B-9  Monitoring well sample location
- B-1  Soil boring location (EnviroForensics)
- GP-1  Soil boring location (KPRG)
- HP-1  Preliminary site assessment borings (Giles)
-  >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:

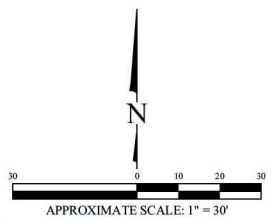
1. Bolded and blue shaded values are above WDNR generic Soil to Groundwater Residual Contaminant Levels
2. All concentrations reported in units micrograms per kilogram (ug/kg)
3. PCE = Tetrachloroethene
4. VOCs = Volatile Organic Compounds
5. ND = Not Detected



Parking (Concrete)

Former Dry Cleaner


Pick-N-Save Grocery Store



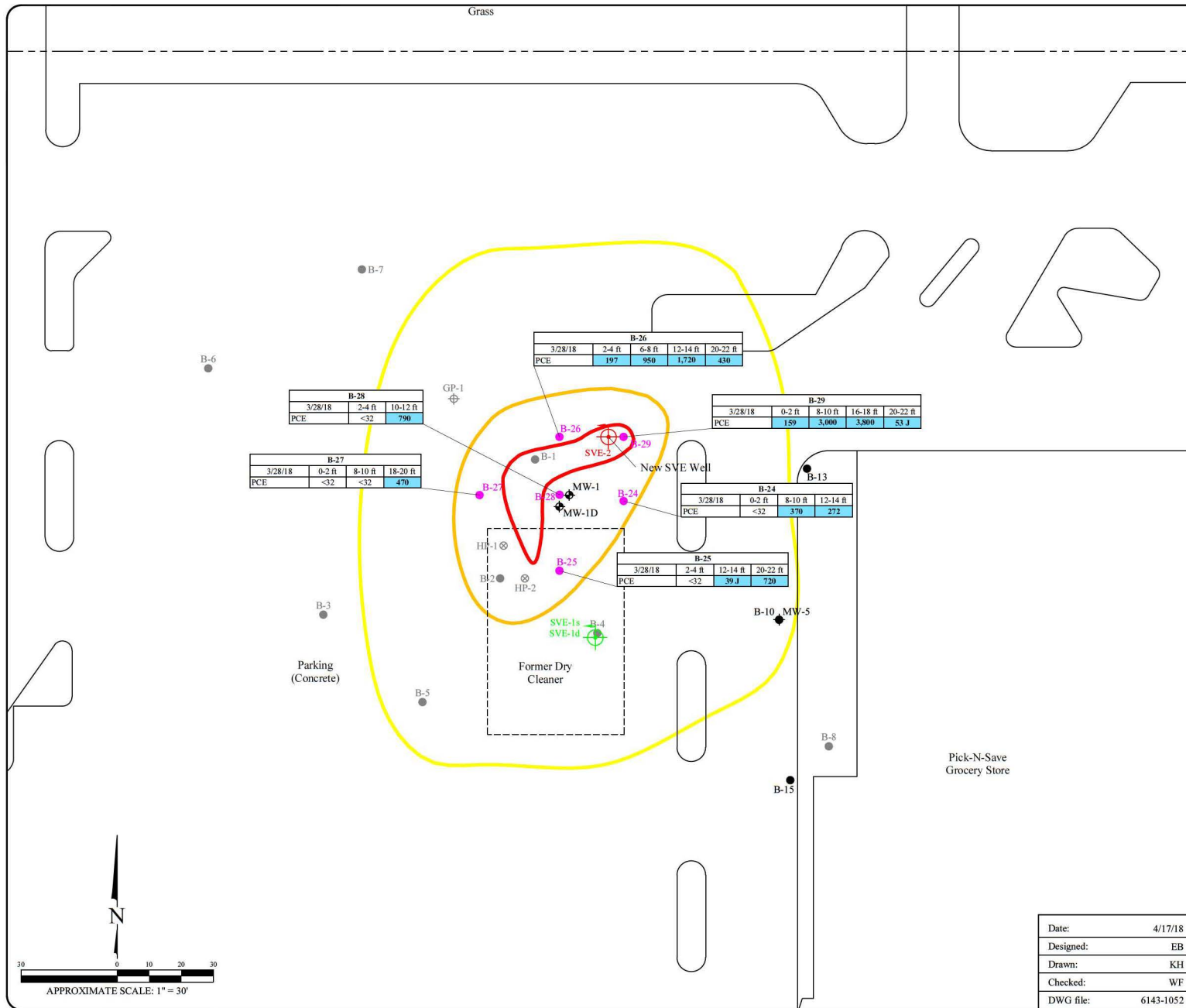
PRE-REMEDIAL SOIL ANALYTICAL RESULTS AND PCE ISOCONCENTRATION MAP

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date: 3/7/14	Figure: 2
Designed: EB	Project: 6143
Drawn: EB	
Checked: BB	
DWG file: 6143-0202	



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

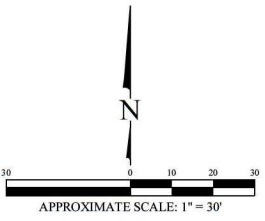


Legend

- Property boundary
- MW-1 ⊕ Monitoring well sample location
- B-9 ● Soil boring location (EnviroForensics)
- B-24 ● 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

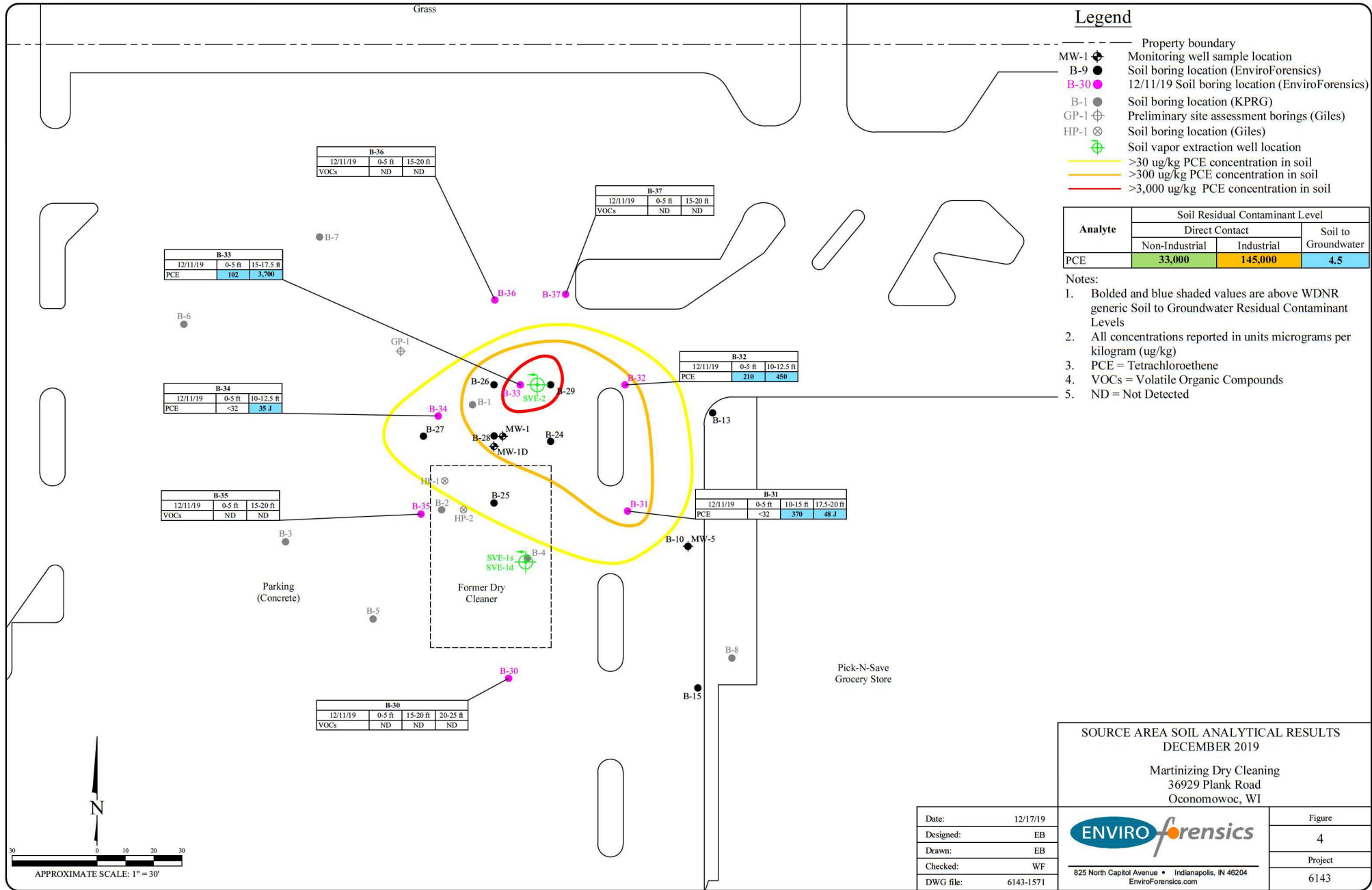


SOURCE AREA SOIL ANALYTICAL RESULTS MARCH 2018	
Martinzing Dry Cleaning 36929 Plank Road Oconomowoc, WI	
Date: 4/17/18	Figure 3
Designed: EB	Project 6143
Drawn: KH	
Checked: WF	
DWG file: 6143-1052	825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com

B-26		B-28		B-29	
3/28/18	2-4 ft	3/28/18	2-4 ft	3/28/18	0-2 ft
PCE	197	PCE	<32	PCE	159
	950		790		3,000
	1,720				3,800
	430				53.4

B-27		B-24	
3/28/18	0-2 ft	3/28/18	0-2 ft
PCE	<32	PCE	<32
	470		370

B-25		B-24	
3/28/18	2-4 ft	3/28/18	0-2 ft
PCE	<32	PCE	<32
	39.4		272
	720		



Legend

- Property boundary
- MW-1 ⊕ Monitoring well sample location
- B-9 ● Soil boring location (EnviroForensics)
- B-30 ● 12/11/19 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
- Yellow outline >30 ug/kg PCE concentration in soil
- Orange outline >300 ug/kg PCE concentration in soil
- Red outline >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:
1. Bolded and blue shaded values are above WDNR generic Soil to Groundwater Residual Contaminant Levels
 2. All concentrations reported in units micrograms per kilogram (ug/kg)
 3. PCE = Tetrachloroethene
 4. VOCs = Volatile Organic Compounds
 5. ND = Not Detected

B-36			
12/11/19	0-5 ft	15-20 ft	
VOCs	ND	ND	ND

B-37			
12/11/19	0-5 ft	15-20 ft	
VOCs	ND	ND	ND

B-33			
12/11/19	0-5 ft	15-17.5 ft	
PCE	102	3,700	

B-32			
12/11/19	0-5 ft	10-12.5 ft	
PCE	210	450	

B-34			
12/11/19	0-5 ft	10-12.5 ft	
PCE	<32	35	

B-31			
12/11/19	0-5 ft	10-15 ft	17.5-20 ft
PCE	<32	370	48.4

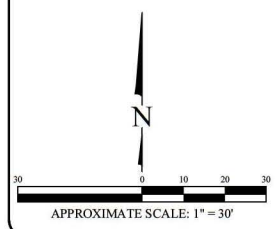
B-35			
12/11/19	0-5 ft	15-20 ft	
VOCs	ND	ND	ND

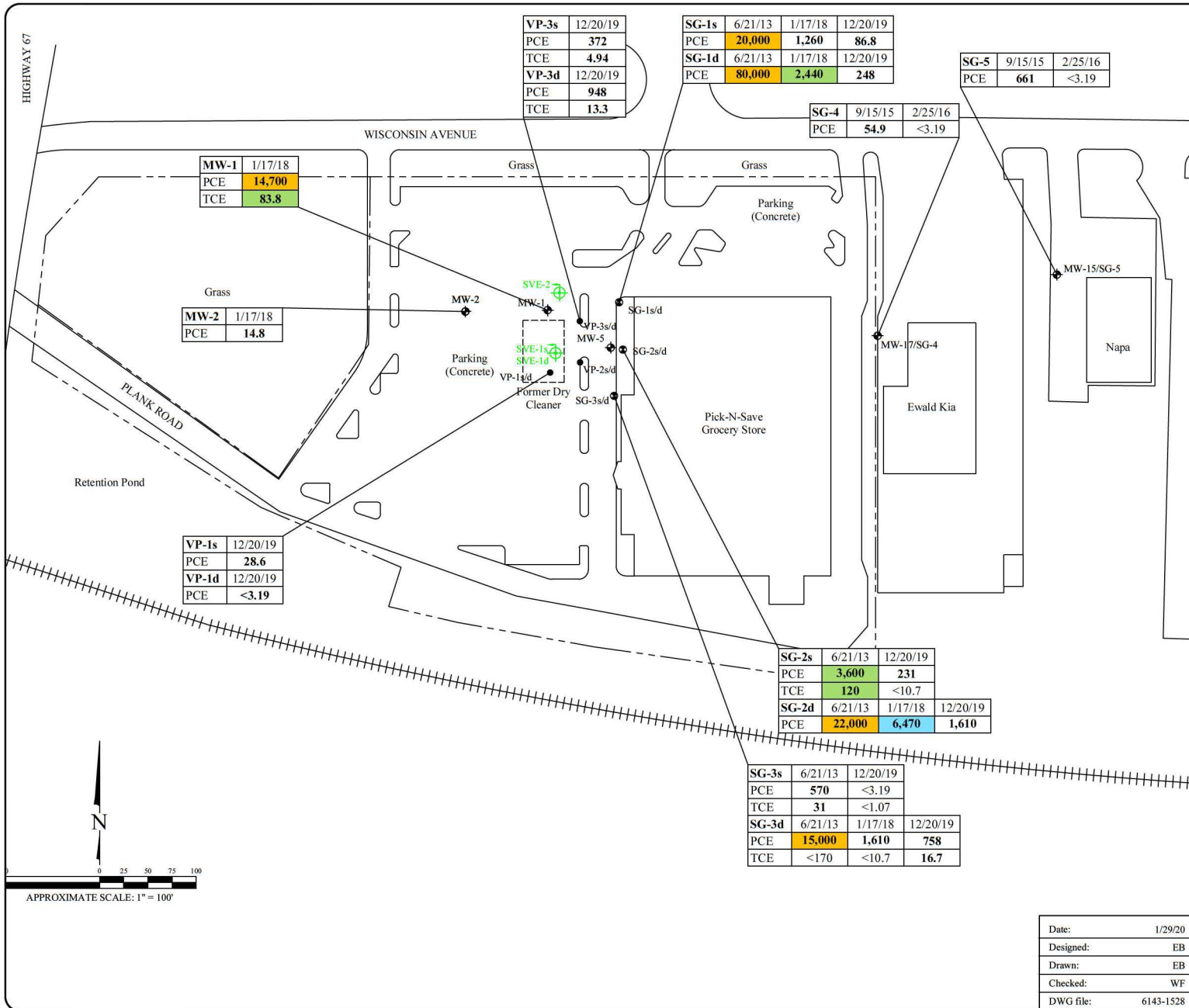
B-30				
12/11/19	0-5 ft	15-20 ft	20-25 ft	
VOCs	ND	ND	ND	ND

SOURCE AREA SOIL ANALYTICAL RESULTS
DECEMBER 2019

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date:	12/17/19		Figure
Designed:	EB		4
Drawn:	EB		Project
Checked:	WF		6143
DWG file:	6143-1571	825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	





Legend

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

Soil Vapor Risk Screening Level			
Analyte	Large Commercial/Industrial ¹	Small Commercial ²	Residential ³
PCE	18,000/180,000*	6,000/18,000*	1,400/4,200*
TCE	880/8,800*	290/880*	70/210*

- Notes:
1. Bolded and orange shaded values exceed the Large Commercial/Industrial Vapor Risk Screening Level
 2. Bolded and blue shaded values exceed the Small Commercial Vapor Risk Screening Level
 3. Bolded and green shaded values exceed the Residential Vapor Risk Screening Level
 4. Bolded values exceed laboratory reporting limits
 5. All concentrations reported in reported in micrograms per cubic meter (ug/m³)
 6. PCE = Tetrachloroethene
 7. TCE = Trichloroethene
 8. s = Shallow Soil Gas
 9. d = Deep Soil Gas
 10. * = Indicates VRSL for deep soil gas samples
 11. ¹ = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Large Commercial indoor air with an attenuation factor of 0.01 for soil gas below large commercial/industrial
 12. ² = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Small Commercial indoor air with an attenuation factor of 0.03 for soil gas below small commercial
 13. ³ = The Vapor Risk Screening Levels (VRSL's) are based on US EPA's Regional Screening Levels (RSL's) for Large Commercial indoor air with an attenuation factor of 0.03 for soil gas below residential

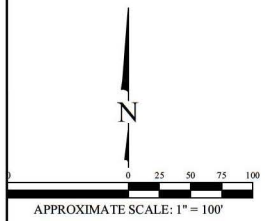
SOIL VAPOR ANALYTICAL RESULTS MAP

Martinzizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date: 1/29/20	Figure
Designed: EB	5
Drawn: EB	Project
Checked: WF	6143
DWG file: 6143-1528	

ENVIROforensics

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



MW-1	1/17/18
PCE	14,700
TCE	83.8

MW-2	1/17/18
PCE	14.8

VP-1s	12/20/19
PCE	28.6
VP-1d	12/20/19
PCE	<3.19

VP-3s	12/20/19
PCE	372
TCE	4.94
VP-3d	12/20/19
PCE	948
TCE	13.3

SG-1s	6/21/13	1/17/18	12/20/19
PCE	20,000	1,260	86.8
SG-1d	6/21/13	1/17/18	12/20/19
PCE	80,000	2,440	248

SG-4	9/15/15	2/25/16
PCE	54.9	<3.19

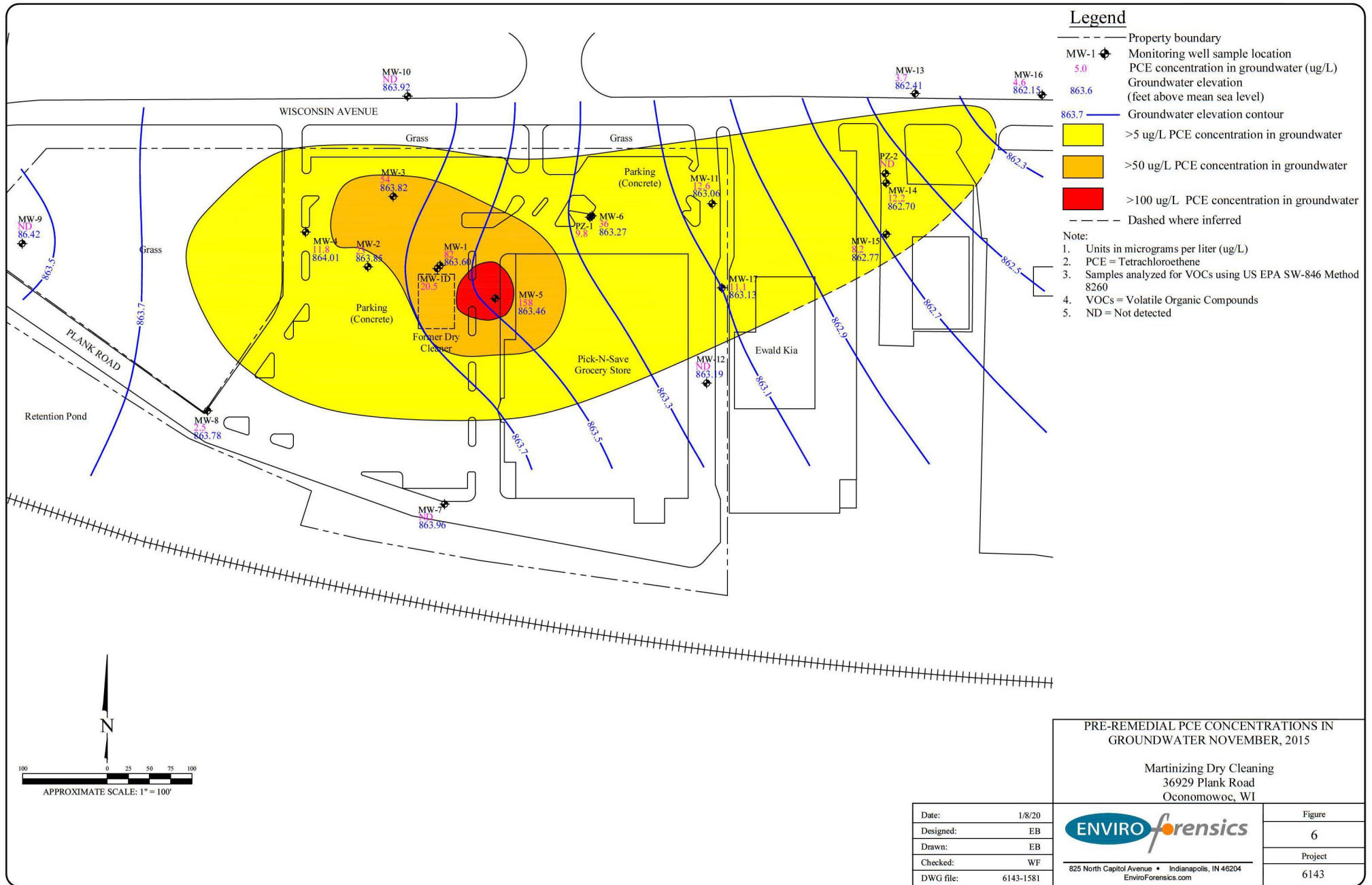
SG-5	9/15/15	2/25/16
PCE	661	<3.19

SG-2s	6/21/13	12/20/19
PCE	3,600	231
TCE	120	<10.7

SG-2d	6/21/13	1/17/18	12/20/19
PCE	22,000	6,470	1,610

SG-3s	6/21/13	12/20/19
PCE	570	<3.19
TCE	31	<1.07


SG-3d	6/21/13	1/17/18	12/20/19
PCE	15,000	1,610	758
TCE	<170	<10.7	16.7



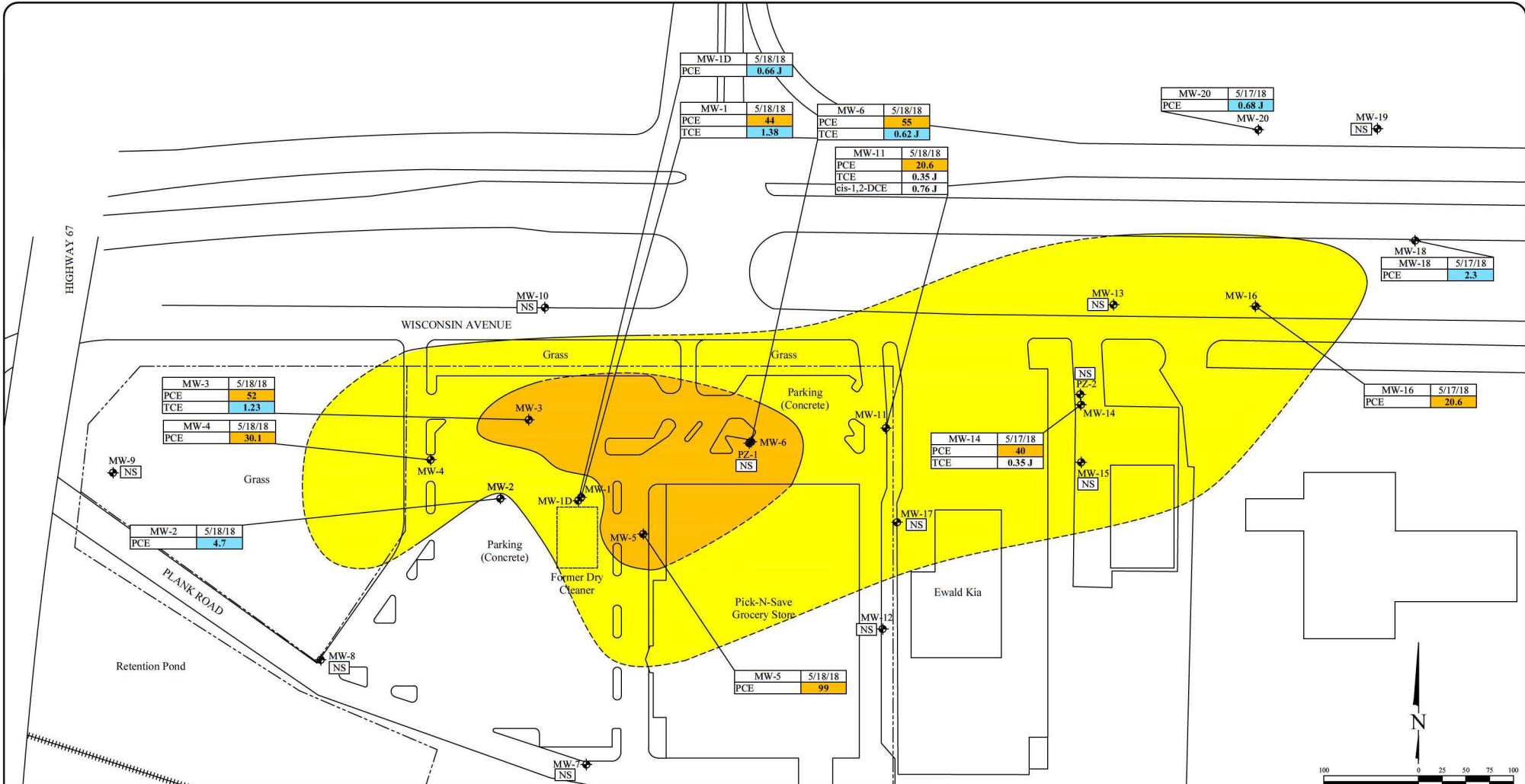
PRE-REMEDIATION PCE CONCENTRATIONS IN GROUNDWATER NOVEMBER, 2015

Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date: 1/8/20	Figure
Designed: EB	6
Drawn: EB	Project
Checked: WF	6143
DWG file: 6143-1581	



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

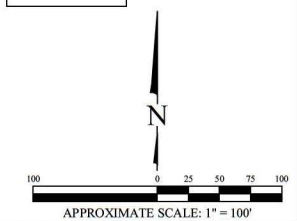


Legend

- MW-1 Monitoring well sample location
- >5 ug/L PCE concentration in groundwater
- >50 ug/L PCE concentration in groundwater
- Dashed where inferred

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70

- Note:
- Bolded and orange shaded values exceed the Public Health Enforcement Standard
 - Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (µg/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - NS = Not sampled



PRE-INJECTION PCE CONCENTRATIONS IN
GROUNDWATER MAY 18, 2018

Martinzing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

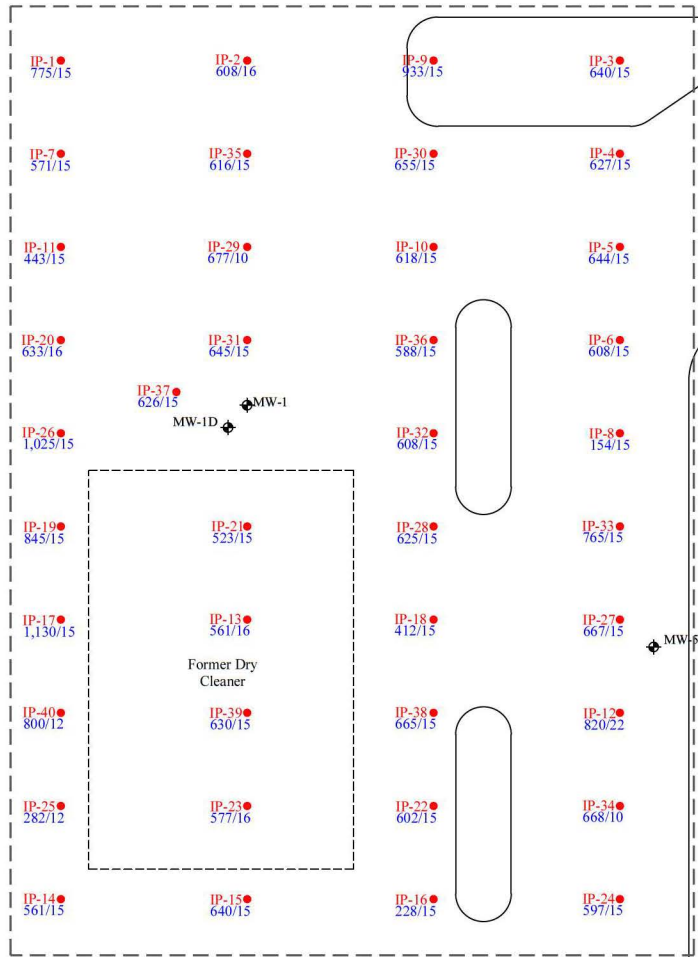
Date:	1/8/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1582

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

Figure	7
Project	6143

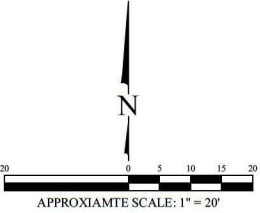
MW-3

Parking
(Concrete)



MW-2

Parking
(Concrete)



Legend

- Property boundary
- MW-1 Monitoring well sample location
- IP-1 Injection point location Gallons of 3DME
164/10 Gallons of 3DME + CRS/BDI injected
- Groundwater treatment area

Notes:

1. 3DME = 3D Microemulsion
2. CRS = Chemical Reducing Solution
3. BDI = Bio-Dechlor Enoculum Plus

Pick-N-Save
Grocery Store

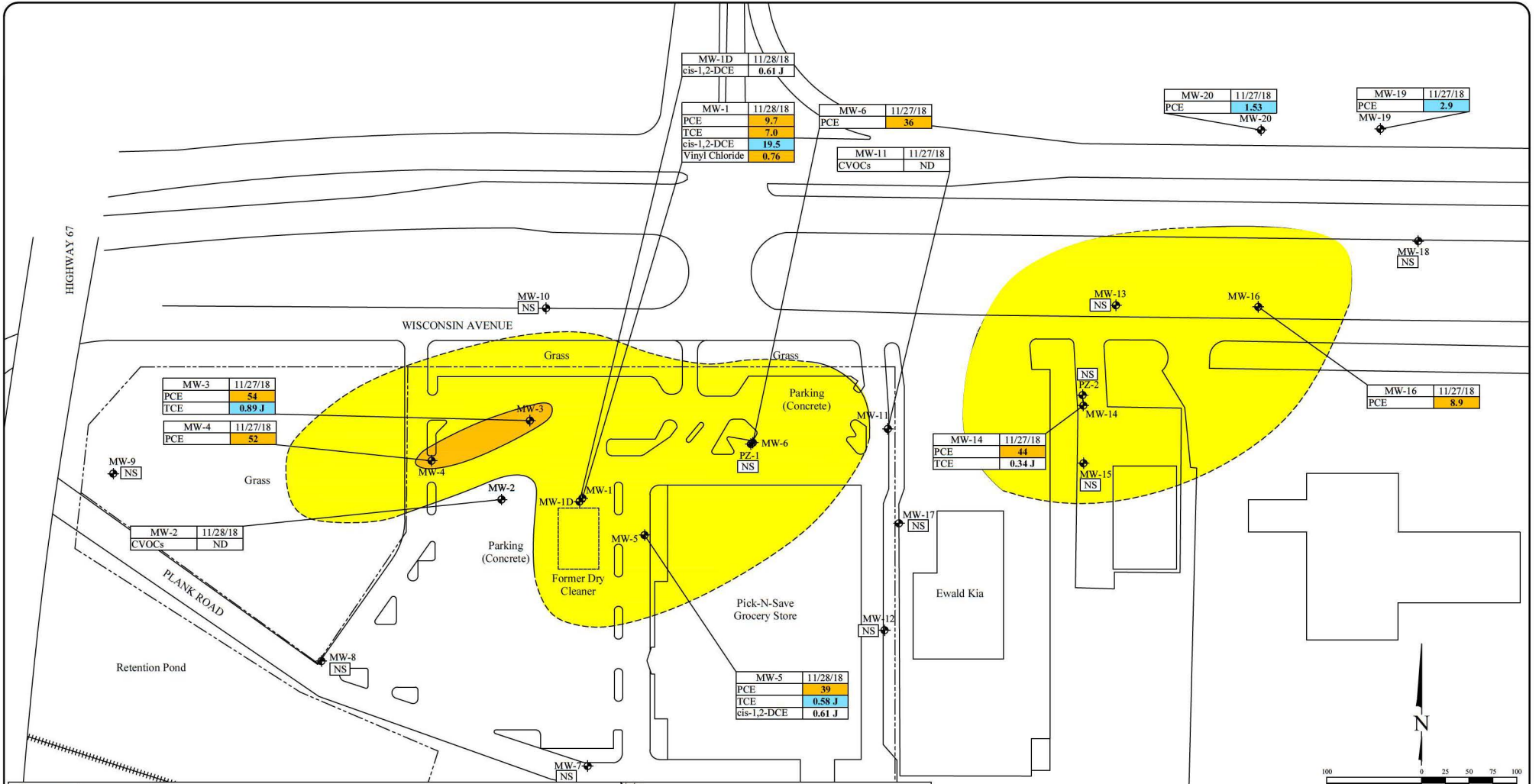
**FULL-SCALE INJECTION POINT LAYOUT SHOWING
AMOUNT OF 3DME/CRS and BDI INJECTED**

Martinzing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

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

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

Figure	8
Project	6143



MW-3	11/27/18
PCE	54
TCE	0.89 J

MW-4	11/27/18
PCE	52

MW-2	11/28/18
CVOCs	ND

MW-8	NS
------	----

MW-1D	11/28/18
cis-1,2-DCE	0.61 J

MW-1	11/28/18
PCE	9.7
TCE	7.0
cis-1,2-DCE	19.5
Vinyl Chloride	0.76

MW-6	11/27/18
PCE	36

MW-11	11/27/18
CVOCs	ND

MW-20	11/27/18
PCE	1.53

MW-19	11/27/18
PCE	2.9

MW-18	NS
-------	----

MW-16	11/27/18
PCE	8.9

MW-14	11/27/18
PCE	44
TCE	0.34 J

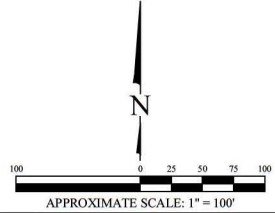
MW-5	11/28/18
PCE	39
TCE	0.58 J
cis-1,2-DCE	0.61 J

Legend

- Property boundary
- MW-1 Monitoring well sample location
- >5 ug/L PCE concentration in groundwater
- >50 ug/L PCE concentration in groundwater
- Dashed where inferred

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
Vinyl Chloride	0.02	0.2

- Note:
- Bolded and orange shaded values exceed the Public Health Enforcement Standard
 - Bolded and blue shaded values exceed the Public Health Preventive Action Limit
 - Bolded values are above detection limits
 - J = Analyte concentration less than laboratory detection limits
 - Samples analyzed using EPA SW-846 Method 8260
 - All results reported in units of micrograms per liter (µg/L)
 - PCE = Tetrachloroethene
 - TCE = Trichloroethene
 - cis-1,2-DCE = cis-1,2-Dichloroethene
 - ND = Not detected above laboratory detection limits
 - NS = Not sampled
 - CVOCs = Chlorinated Volatile Organic Compounds



POST-INJECTION PCE CONCENTRATIONS IN GROUNDWATER NOVEMBER 27, 2018

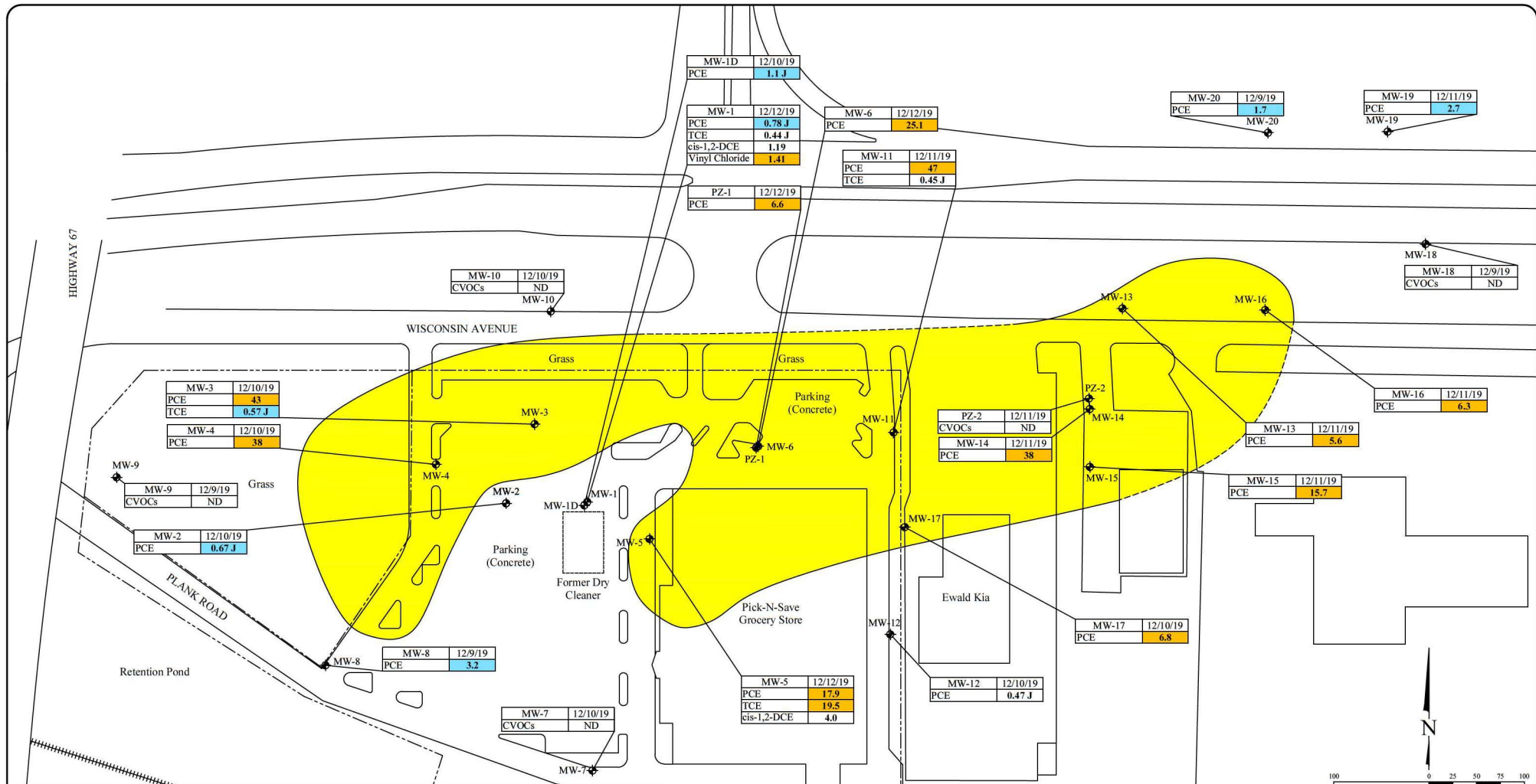
Martinizing Dry Cleaning
36929 Plank Road
Oconomowoc, WI

Date:	1/8/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1583



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

Figure	9
Project	6143



Legend

MW-1 Property boundary
 Monitoring well sample location

>5 ug/L PCE concentration in groundwater

Dashed where inferred

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	0.5	5
TCE	0.5	5
cis-1,2-DCE	7	70
Vinyl Chloride	0.02	0.2

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less than laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (µg/L)
7. PCE = Tetrachloroethene
8. TCE = Trichloroethene
9. cis-1,2-DCE = cis-1,2-Dichloroethene
7. ND = Not detected above laboratory detection limits
8. CVOCs = Chlorinated Volatile Organic Compounds

Date:	1/8/20
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6143-1584

POST-INJECTION PCE CONCENTRATIONS IN GROUNDWATER DECEMBER 12, 2019

Martinizing Dry Cleaning
 36929 Plank Road
 Oconomowoc, WI

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

Figure	10
Project	6143

MW-1D	12/10/19
PCE	1.1 J

MW-1	12/12/19
PCE	0.78 J
TCE	0.44 J
cis-1,2-DCE	1.19
Vinyl Chloride	1.41

MW-6	12/12/19
PCE	25.1

MW-11	12/11/19
PCE	47
TCE	0.45 J

PZ-1	12/12/19
PCE	6.6

MW-20	12/9/19
PCE	1.7

MW-19	12/11/19
PCE	2.7

MW-10	12/10/19
CVOCs	ND

MW-3	12/10/19
PCE	43
TCE	0.57 J

MW-4	12/10/19
PCE	38

MW-9	12/9/19
CVOCs	ND

MW-2	12/10/19
PCE	0.67 J

MW-8	12/9/19
PCE	3.2

MW-7	12/10/19
CVOCs	ND

MW-5	12/12/19
PCE	17.9
TCE	19.5
cis-1,2-DCE	4.0

MW-12	12/10/19
PCE	0.47 J

MW-17	12/10/19
PCE	6.8

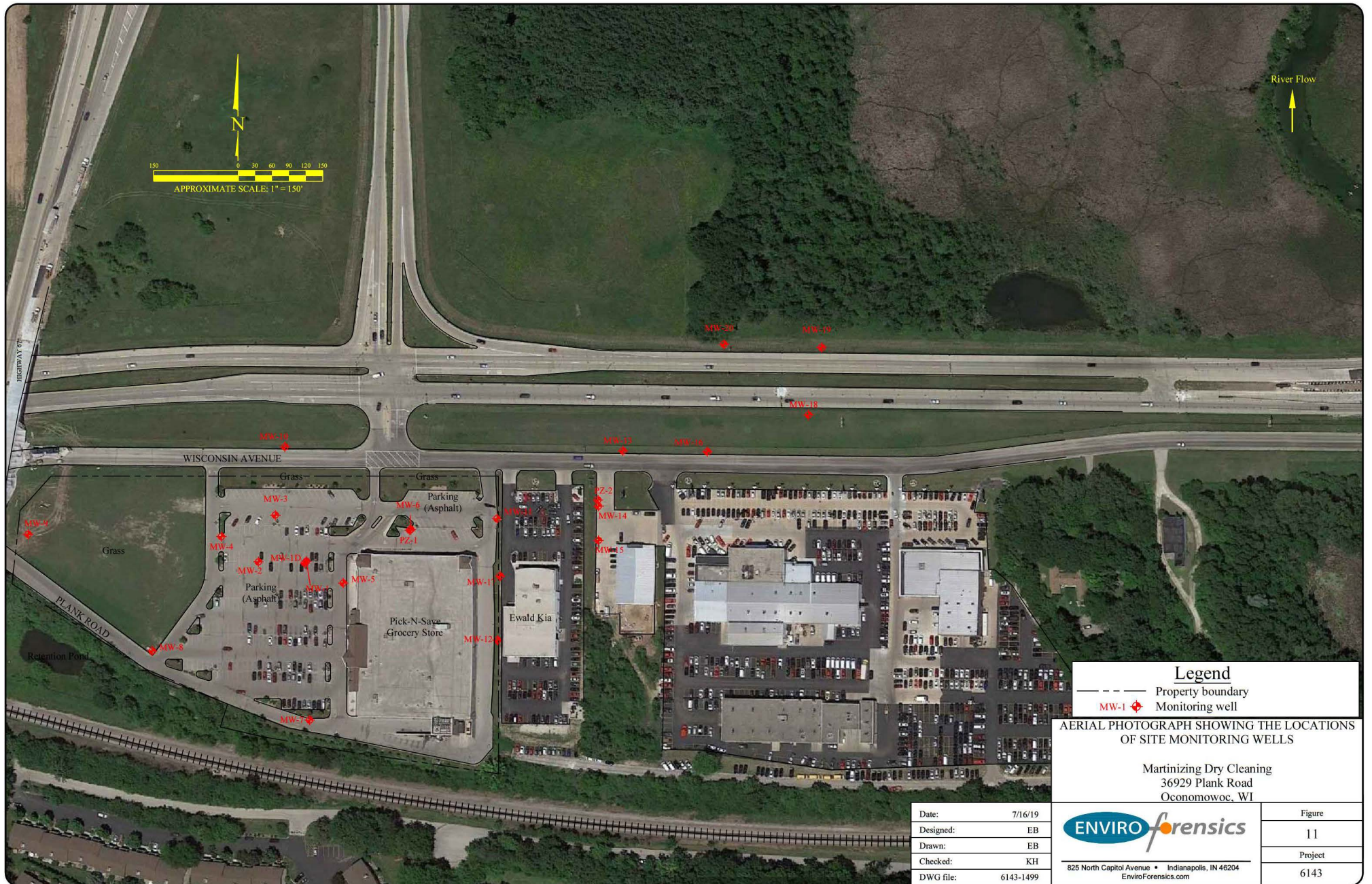
MW-14	12/11/19
CVOCs	ND
PCE	38

MW-15	12/11/19
PCE	15.7

MW-13	12/11/19
PCE	5.6

MW-16	12/11/19
PCE	6.3

MW-18	12/9/19
CVOCs	ND



Legend	
---	Property boundary
MW-1	Monitoring well

AERIAL PHOTOGRAPH SHOWING THE LOCATIONS OF SITE MONITORING WELLS

Martinizing Dry Cleaning
 36929 Plank Road
 Oconomowoc, WI

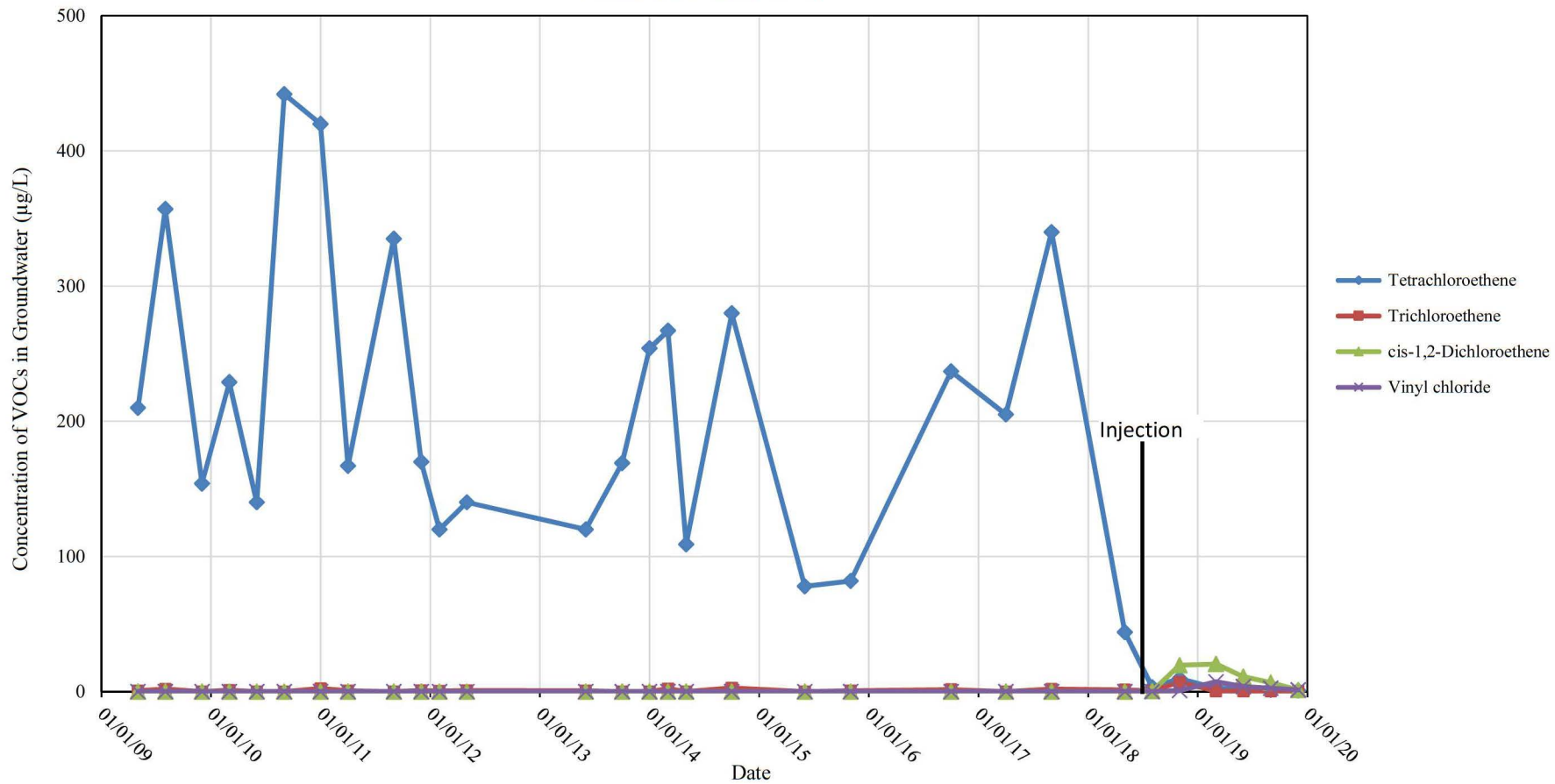
Date:	7/16/19
Designed:	EB
Drawn:	EB
Checked:	KH
DWG file:	6143-1499

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

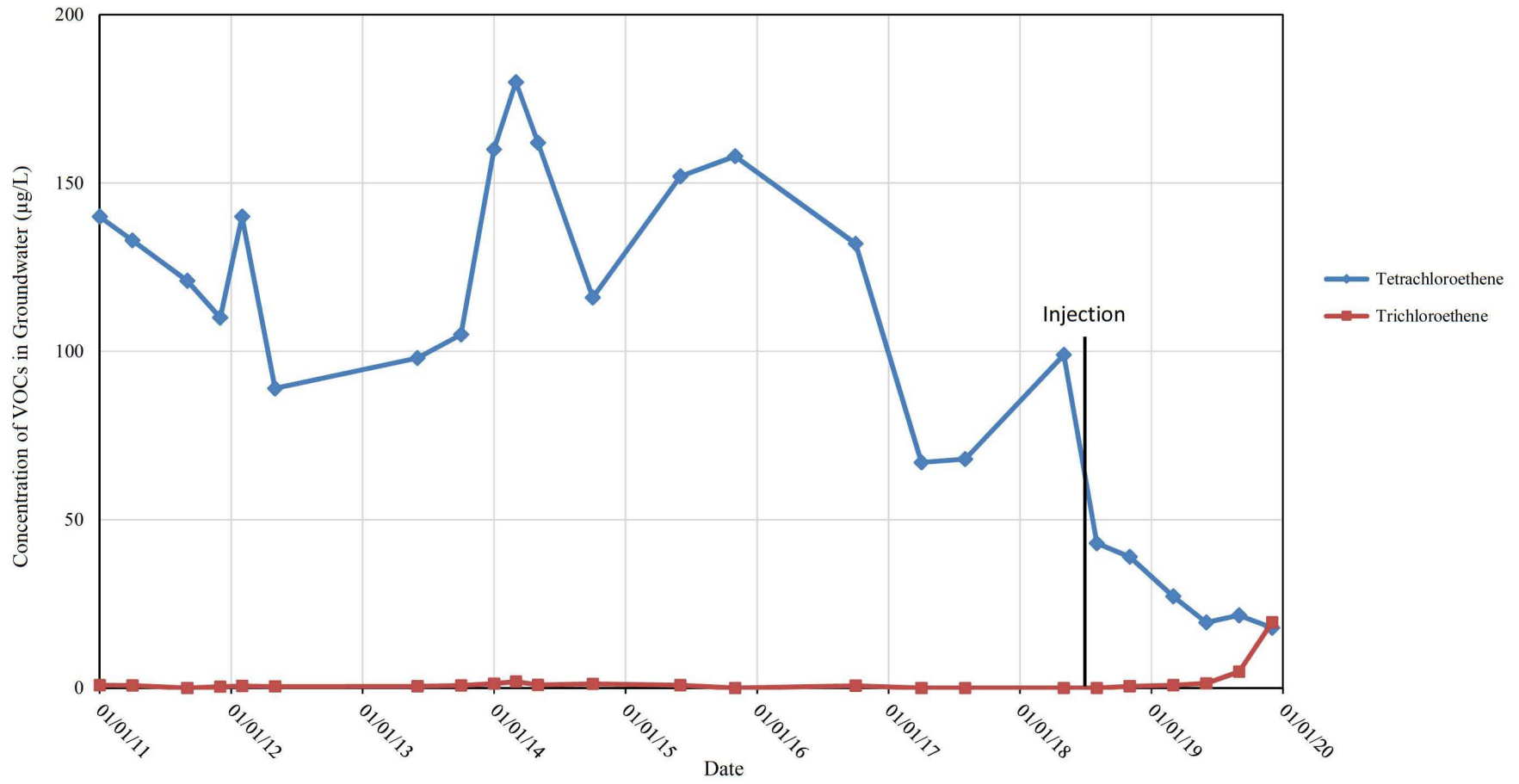
Figure	11
Project	6143

Groundwater VOC Concentration Trends in MW-1

Former OHM-Oconomowoc

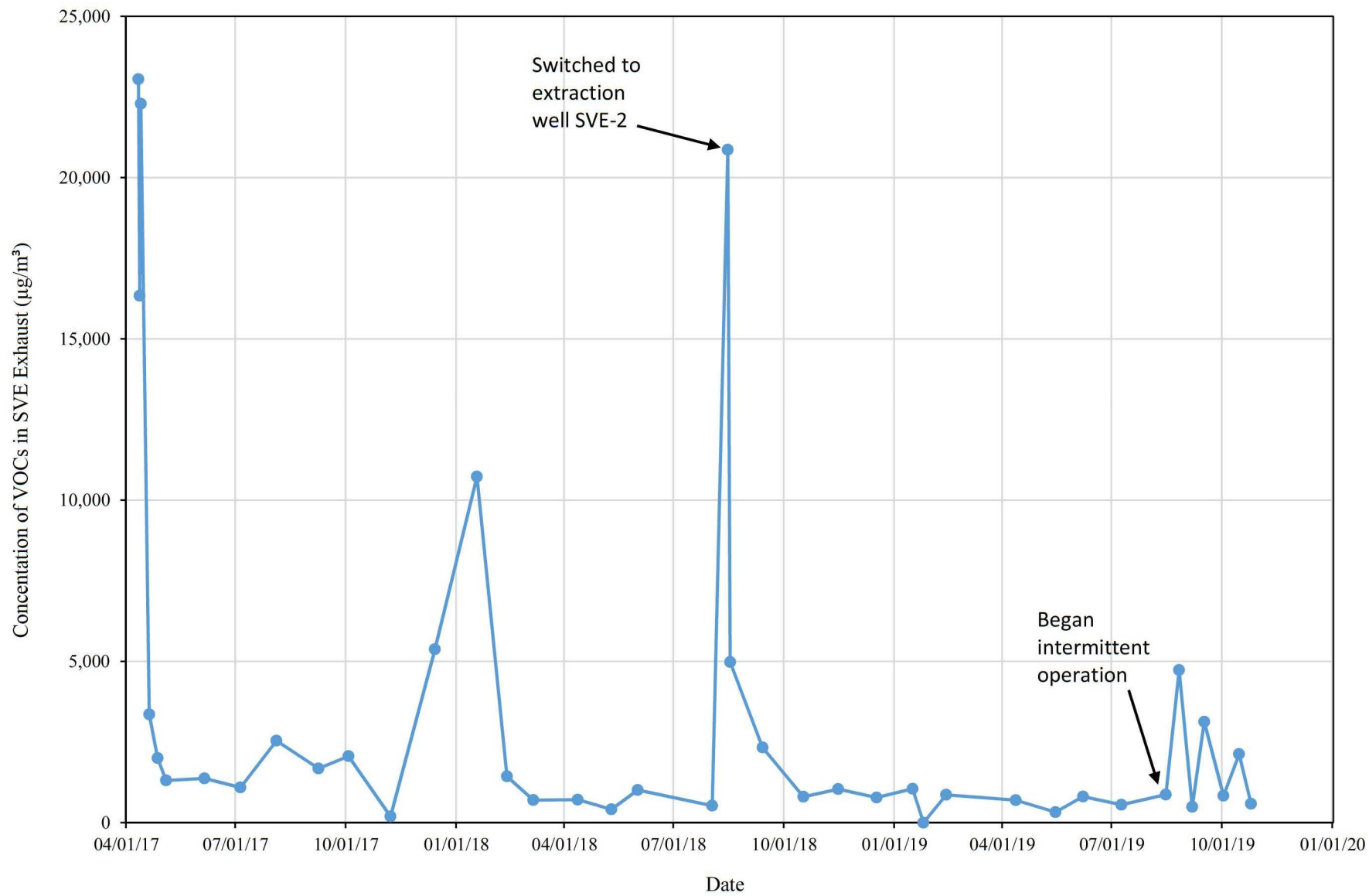


Groundwater VOC Concentration Trends in MW-5 Former OHM-Oconomowoc



Vapor Phase VOC Concentration Trend

Former OHM-Oconomowoc



Cumulative VOC Mass Removed

Former OHM-Oconomowoc

