

**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](http://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 9/15)

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## 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 Udovich	First Jeff	MI	Organization/ Business Name VPI Corporation
Mailing Address 3123 South 9th Street			City Sheboygan
			State WI
			ZIP Code 53082
Phone # (include area code) (920) 451-5814	Fax # (include area code)	Email jjudovich@vpicorp.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:

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

Select if same as requester

Contact Last Name Frieseke	First Rick	MI W	Organization/ Business Name Friess Environmental Consulting, Inc.
Mailing Address 6635 N. Sidney Place			City Milwaukee
			State WI
			ZIP Code 53209
Phone # (include area code) (414) 228-9815	Fax # (include area code) (414) 228-9816	Email rfrieseke@fecinc.us	

### Environmental Consultant (if applicable)

Contact Last Name Frieseke	First Rick	MI	Organization/ Business Name Friess Environmental Consulting, Inc.
Mailing Address 6635 N. Sidney Place			City Milwaukee
			State WI
			ZIP Code 53209
Phone # (include area code) (414) 228-9815	Fax # (include area code) (414) 228-9816	Email rfrieseke@fecinc.us	

### Property Owner (if different from requester)

Contact Last Name Udovich	First Jeff	MI	Organization/ Business Name MMW Properties, LLC
Mailing Address 3123 South 9th Street			City Sheboygan
			State WI
			ZIP Code 53082
Phone # (include area code) (920) 451-5814	Fax # (include area code)	Email jjudovich@vpicorp.com	

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

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## Section 2. Property Information

Property Name VPI Corporation		FID No. (if known)	
BRRTS No. (if known) 02-60-001045	Parcel Identification Number 59281312560		
Street Address 3123 South 9th Street	City Sheboygan	State WI	ZIP Code 53082
County Sheboygan	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Sheboygan	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 10

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: 10/25/2021

Reason: Would like to conduct remedial actions prior to winter.

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

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**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 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](http://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; and,
- (3) a draft 75.105 agreement based on the DNR's model ([dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf](http://dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf)).

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; and,
- (3) a draft 75.105 agreement based on the DNR's model ([dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf](http://dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf)).

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.

## Section 6. Other Information Submitted

Identify all materials that are included with this request.

**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: Vapor

Date of Collection: 08/13/2021

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: SI/RAP dated 9-16-21

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): 02/19/2020

No

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



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

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Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: VPI Corporation

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.

Walter J. Ott  
Signature

9/21/21  
Date Signed

Project Manager  
Title

(414) 228-9815  
Telephone Number (include area code)

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

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## 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

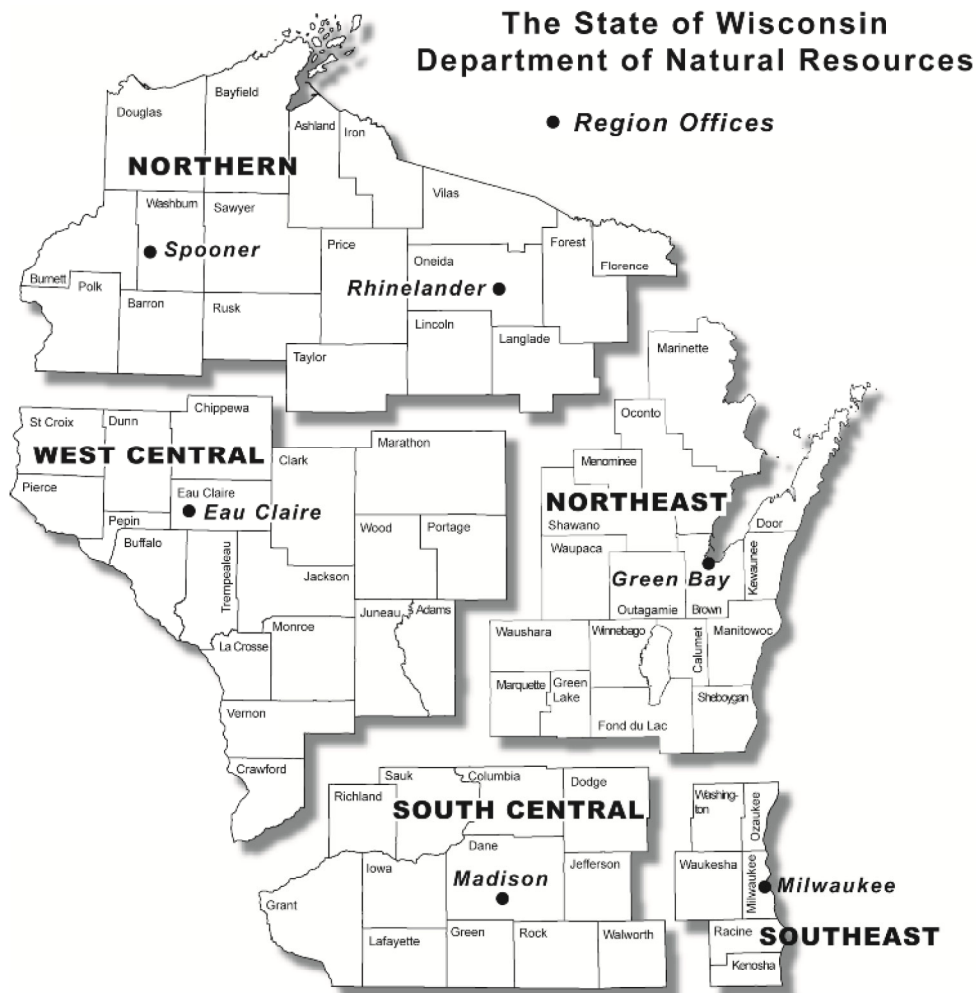
Attn: RR Program Assistant  
Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg WI 53711

### 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		

September 16, 2021



Ms. Roxanne Chronert  
Wisconsin Department of Natural Resources  
2984 Shawano Avenue  
Green Bay, WI 54313-6727

RE: Additional Site Investigation and Remedial Action Plan Report for the VPI Corporation Property Located at 3123 South 9<sup>th</sup> Street in Sheboygan, Wisconsin — FEC Project No. 200208, DNR BRRTS No. 02-60-001045

***Friess Environmental Consulting, Inc. (FEC)*** submits this letter to provide the results of the additional site investigation (SI) activities conducted at the above-referenced site (the “Site”). The Site is located at 3123 South 9<sup>th</sup> Street in Sheboygan, Wisconsin, and is shown on Figure B.1.a. The project background and results of the SIs are described below.

### **Project Background**

A Phase I environmental site assessment (ESA) was conducted by Terracon Consulting Engineers and Scientists (Terracon) in August 2019 for the Site. The Phase I indicated that the historical use of the north adjoining property for commercial printing operations and the historical use of petroleum USTs at the Site were considered RECs associated with the Site. In addition, a closed ERP case related to a 1974 release of bis(2-ethyl-hexyl) phthalate (a.k.a. di-2-ethylhexyl phthalate, diethylhexyl phthalate, DEHP, dioctyl phthalate, DOP) was noted in the Phase I ESA. Approximately 7,300-gallons of plasticizer containing DEHP was released from the VPI facility in 1974. Investigation was performed between 1994 and 1996 that included soil and groundwater sampling. It was determined that the DEHP contamination did not extend to depth and had not migrated beyond the initial release location. The ERP case was closed by the WDNR on June 24, 1997, with no further action required. Terracon also noted that the highest DEHP concentration was 360 mg/kg, which was identified at a depth of 6-8 feet below grade. The current non-industrial direct contact RCL for soil is 38.8 mg/kg. While the WDNR typically considers direct contact RCLs applicable for soil in the upper 4 feet, shallower samples were not collected at this location. As such, sampling was considered warranted to evaluate the RECs and CREC identified in the Phase I.

In January and February 2020, Terracon conducted a Limited Site Investigation (LSI) consisting of collecting soil and groundwater samples from twelve probes and temporary wells to investigate the potential for subsurface impacts related to the on- and off-site RECs and the CREC identified in the Phase I ESA, to confirm the initial findings, and to further delineate the identified residual impacts.

Terracon also conducted a vapor intrusion evaluation consisting of two sub-slab vapor points installed in the buildings to collect sub-slab vapor samples for VOCs. VOCs were detected at concentrations above the level of detection (LOD) in samples collected from both sub-slab vapor monitoring points; however, the detected concentrations were below applicable residential and commercial vapor risk screening levels (VRSLs).

Concentrations of DEHP were detected in the shallow soil samples collected from soil borings P-1, P-9, P-10, and P-12 exceeding their non-industrial and industrial direct contact and soil to groundwater pathway RCLs. Soil samples collected from soil borings P-1, P-9, P-10, and P-12 at deeper intervals (6 feet bgs) generally did not contain any concentrations of DEHP exceeding its RCLs. As such, the vertical extent of the impacts appears to have been defined.

DEHP was detected in the groundwater samples collected from MW-1 and temporary wells P-9, P-10, P-11, and P-12 at concentrations above its NR 140 enforcement standard (ES). The DEHP impacts are likely associated with residual impacts from the 1974 spill, which was closed by the DNR in 1997. Use of DEHP at the site was discontinued around 1988.

The presence of low-level VOCs was also detected in the groundwater, including concentrations of cis-1,2-dichloroethene above its NR 140 preventive action limit (PAL) and vinyl chloride above its NR 140 ES. Terracon contacted the DNR to discuss how to present the additional data from the historic spill that had been closed by the DNR and subsequently reported the low-level detections of vinyl chloride and cis-1,2-dichloroethene to the DNR. In its letter dated February 19, 2020, the DNR issued a responsible party letter and requested additional investigation and subsequent site closure.

The scope of work conducted by FEC was to define the extent of the impacts and further delineate the soil and groundwater contamination.

### **FEC Site Investigation**

In March 2020, FEC documented the procedures utilized by Giles Engineering Associates, Inc. (Giles) to advance four soil probes (P-13 to P-16) and one hand auger (HA-1) to a maximum depth of approximately 13 feet below ground surface (bgs). In addition, six groundwater monitoring wells (MW-2 to MW-6) were installed and subsequently sampled. The results were presented to the DNR in a Site Investigation report dated June 2020. The DNR reviewed the results and requested additional site investigation and groundwater monitoring.

In October 2020 and May 2021, FEC documented the procedures utilized by Giles to advance thirteen additional soil probes (P-18 to P-30) to a maximum depth of approximately 13 feet below ground surface (bgs). In addition, eight

additional groundwater monitoring wells (MW-7 to MW-14) were installed and subsequently sampled. Groundwater monitoring rounds were also conducted in October 2020 and February, May, and August 2021. The locations of the soil probes and groundwater monitoring wells are shown on Figures B.1.b. and B.1.b.2.

### *Soil Evaluation*

Subsurface soils at the property generally consist of a layer of gravel and sand fill material, a variable silty sand fill layer from 1 to 4 feet bgs, and silty-clays to 13 feet bgs. Field indications of impacted soils (odors, staining and/or PID readings) were not apparent in any of the soil samples collected. FEC submitted soil samples from 0 to 4 feet bgs to a DNR-certified laboratory for analyses of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

The results of the additional soil analytical testing did not indicate concentrations of VOCs or SVOCs detected above the DNR's soil RCLs for the protection of groundwater or direct contact, except for P-25 and P-27. The results of the soil analytical testing are shown on the attached Table 1 and illustrated on Figure B.2.a. The historic soil impacts were further evaluated downgradient through groundwater sampling.

### *Groundwater Evaluation*

Indications of groundwater were encountered at all the probe locations at depths ranging from 2 to 6 feet bgs. Groundwater is likely perched in the granular fill soils and likely flows in an easterly direction towards a drainage swale located along the eastern property border.

FEC measured the depth to groundwater at select monitoring well locations during each quarterly round of groundwater sampling. In general, the depths to groundwater ranged from 1.70 to 6.43 feet bgs. The depth to groundwater measurements were measured from the north rim of the PVC casings, which were surveyed to a benchmark assigned an elevation of 100 feet. In general, the results of the groundwater elevation survey indicate groundwater flows in a southeasterly direction. The depth to groundwater and groundwater elevations for each round of groundwater sampling are presented on Table A.6. and groundwater flow is illustrated on Figure B.3.c.

The groundwater samples collected from the monitoring wells were analyzed by the laboratory for VOCs and SVOCs. The results of the groundwater analytical testing indicate concentrations of cis-1,2-dichloroethene above its NR 140 preventive action limit (PAL) and vinyl chloride above its NR 140 ES at MW-1. Concentration of DEHP above its ES were detected at MW-5, MW-11, MW-12, and MW-13 during the most recent sampling event. These detections are defined

by the groundwater sampling conducted at the perimeter wells. Consequently, the results of the testing indicate that the groundwater impacts are defined on site to the extent practical. The results of the groundwater analytical testing are shown on the attached Table 2 and illustrated on Figure B.3.b.

### *Vapor Evaluation*

FEC also conducted additional vapor intrusion evaluation consisting of sampling two sub-slab vapor points installed in the buildings to collect sub-slab vapor samples for VOCs and DEHP. VOCs were detected at concentrations above the level of detection (LOD) in samples collected from both sub-slab vapor monitoring points; however, the detected concentrations were below applicable residential and commercial vapor risk screening levels (VRSLs). In addition, DEHP was not detected at concentrations above the level of detection (LOD) in samples collected from both sub-slab vapor monitoring points. The results of the vapor analytical testing are shown on the attached Table 3.

### **SI Conclusions**

Based on the laboratory data, soil impacts were detected above their non-industrial and industrial direct contact and soil to groundwater pathway RCLs; however, appear to be adequately defined at the Site.

Therefore, capping the area of residual soil impacts is the most feasible method to achieve closure for the Site. Installation of an impermeable asphalt cap will eliminate precipitation infiltration through the residual impacts and mitigate residual direct contact issues at the Site. Closure will be obtained through registration of the Site on the soil Geographic Information System (GIS) database and implementation of a cap maintenance plan (CMP). The following section identifies the proposed remedial action for the Site and closure strategy.

### **Remedial Action Plan**

Based on the age of the release (1974), the site conditions, and the results of the soil and groundwater analytical testing and monitoring, FEC is recommending an asphalt cap over the area of residual impacts to address potential direct contact issues and eliminate precipitation from partitioning the contaminants to the groundwater. There has not been measurable free product in the wells during last three rounds of groundwater monitoring. As such, removal of impacted soils and limited free product does not appear to be technically warranted. At this time, we believe the installation of an asphalt cap, in the area shown on Figure D.2., will mitigate future water infiltration through the residual soil impacts and groundwater impacts. The RAP will be implemented under the Soils Management Plan (SMP) and Contingency Plan described in this section.

As part of this RAP, the upper 6 to 9-inches of the existing gravel drives/parking area will be disturbed/regraded to complete the proposed installation of an asphalt cap in the same area.

### *Soils Management Plan (SMP)/Capping*

Based on the site characteristics, excavation/regrading is required at the Site for cap installation purposes to maintain the existing grade around the buildings currently present at the Site. In addition, excavation/regrading is required at the Site for cap installation purposes. As part of the RAP, the upper 6 to 9-inches of the existing gravel may be excavated/regraded in areas to complete the proposed installation of the asphalt drives and parking areas. This material will be regraded for use under the areas to be paved and will then receive the placement of asphalt. Off-site disposal will be minimized; however, may include landfill disposal.

### *Contingency Plan*

The Site has been well characterized through the SI activities conducted within the area where excavation/regrading is planned. In the unlikely event that conditions are encountered that may be uncharacteristic of those which have been previously documented at the Site, this SMP identifies a contingency protocol for additional evaluation outside the typical soils management procedures. The contingency procedures are designed to remain consistent with the RAP and closure approach, identify interim actions to be conducted to minimize delays in site work, and properly handle non-exempt solid wastes. The contingency procedures are designed to track the elements of an “interim action” under Wis. Adm. Code Ch. NR 708.11.

The following procedures will be followed if the Contingency Plan is implemented:

#### Additional Impacted Soils (Uncharacteristic of the SI)

- Characterize impacted soils based on field indications such as free product, obvious odors, etc.
- Collect a sample of the impacted soils for characterization analyses, if necessary, based on the field indications.
- Apply any additional laboratory results to this RAP to evaluate whether excavation is warranted or if the area can be incorporated into the closure strategy as is.
- If excavation is conducted, collect confirmation samples after completion of excavation.
- Incorporate excavated soils into development plan and closure strategy, if possible.
- Update the landfill profile with new analytical results.



- Coordinate and document landfill disposal, if warranted.

FEC will inform the DNR if it becomes necessary to implement the contingency plan. The contingency plan includes characterizing the soils in place for additional parameters deemed necessary based on the field observations made at that time. The characterization may include field screening and additional laboratory analyses. If the soils require excavation based on the construction schedule, they may be stockpiled on site in accordance with Ch. NR 718 until additional characterization has been conducted and the proper disposal option been identified. If warranted, excavation may be conducted under this Contingency Plan and confirmation samples will be collected; however, contamination may remain within the area following the excavation. The purpose of the confirmation samples will be to document the soil conditions at the time and obtain current information for the closure request. The impacts remaining on site will be capped and documented as part of the closure approach for the Site.

### *Case Closure*

FEC will prepare the results of the capping and soil management activities in a RAP implementation report and subsequent closure request for DNR review and approval. The report and closure request will include a description of the capping process, any updated analytical results, and appropriate information for closing the site with the proposed institutional controls (soil and groundwater GIS and CMP).

### **Emerging Contaminant Evaluation**

Per the requirements of the Wisconsin DNR, VPI Corporation provides the attached statement regarding the potential production, use, handling, storage, management, or disposal of perfluoroalkyl and polyfluoroalkyl substances (PFAS) at or from the property.

### **Conclusions and Recommendations**

The results of the additional soil analytical testing indicate concentrations of DEHP above the DNR's soil RCLs for the protection of groundwater or direct contact. The results of the groundwater analytical testing indicate low concentrations of VOCs above their respective standards at MW-1. DEHP above its ES has been detected but appears to be adequately defined on the site. As previously documented, the results of the vapor analytical testing indicated that the detected concentrations were below applicable residential and commercial Vapor Risk Screening Levels (VRSLs). As such, no vapor intrusion risk is present at the Site.

The capping of the area of residual impacts would sufficiently mitigate the risks to groundwater and from direct contact at the site. As such, we request approval from the DNR to proceed with installation of an asphalt cap to mitigate water infiltration and direct contact risks. Following remedial activities, a closure request should be submitted, with implementation of a cap maintenance plan (CMP) and placement of the Site on the DNR's soil and groundwater geographic information system (GIS), for DNR review and concurrence.

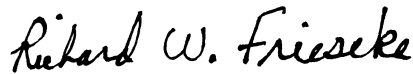
We hope that this letter has provided sufficient documentation of the SI activities conducted to date. We request that you review this report and provide your written approval of the RAP. Thank you for your timely assistance with this project. The technical review fee of \$700 has been paid to the DNR. If you have any questions or comments regarding this letter, please call us at (414) 228-9815.

Respectfully,

**FRIESS ENVIRONMENTAL CONSULTING, INC.**



Trenton J. Ott  
Project Manager

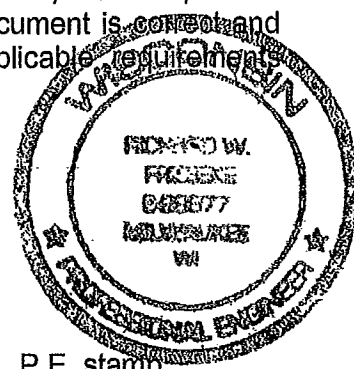


Richard W. Frieseke, P.E.  
President

200208 SI Addendum

**Certifications**

"I, Richard Frieseke, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch., 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."



Richard W. Frieseke  
Signature, title and P.E. number

9/21/21

048877-006 Date

P.E. stamp

"I, Greg Konicek, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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."

Greg Konicek  
Hydrogeologist  
Signature and title

9/21/21

Date

"I, Trenton Ott, 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 of the 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."

Trenton L. Ott  
Project Manager  
Signature and title

9/21/21

Date

APPENDIX A  
GENERAL INFORMATION

**Contact Information (as of September 2021):**

Site Owner/Operator: VPI Corporation  
Mr. Jeff Udovich  
Sr. Vice President: Finance and Administration  
3123 South 9<sup>th</sup> Street  
Sheboygan, Wisconsin  
(920) 451-5814

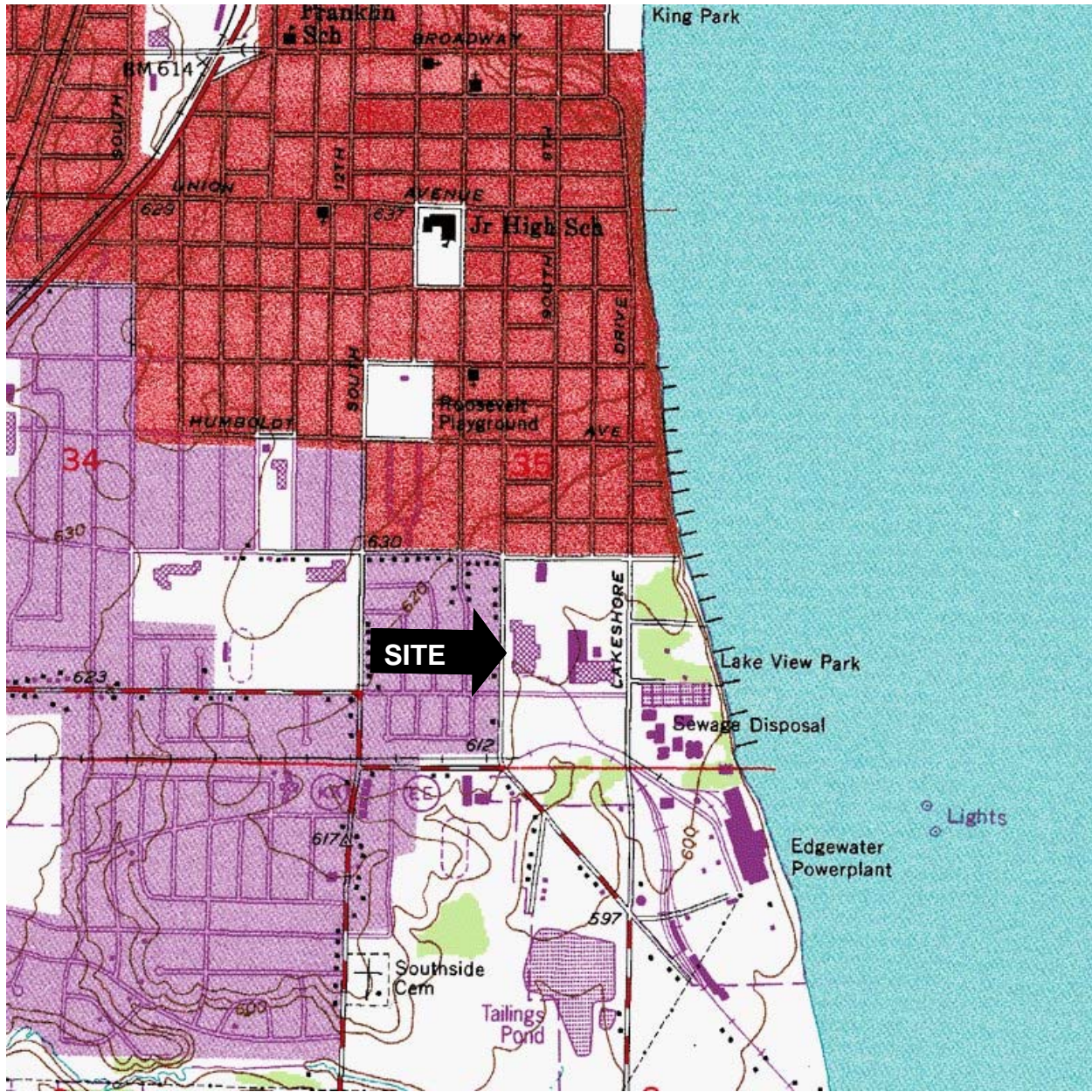
Consultant: Friess Environmental Consulting, Inc.  
Attn: Richard W. Frieseke, P.E.  
6635 North Sidney Place  
Milwaukee, WI 53209  
(414) 228-9815

Drilling Contractors: Giles Engineering Associates, Inc.  
Mr. Dave Cornale  
N8 W22350 Johnson Drive  
Waukesha, WI 53186  
(262) 544-0118

Laboratory Contractor: Synergy Environmental Lab, Inc.  
Mr. Michael Ricker  
1990 Prospect Court  
Appleton, WI 54914  
(920) 830-2455

DNR: Ms. Roxanne Chronert  
Wisconsin Department of Natural Resources  
2984 Shawano Avenue  
Green Bay WI 54313-6727  
(920) 362-3981

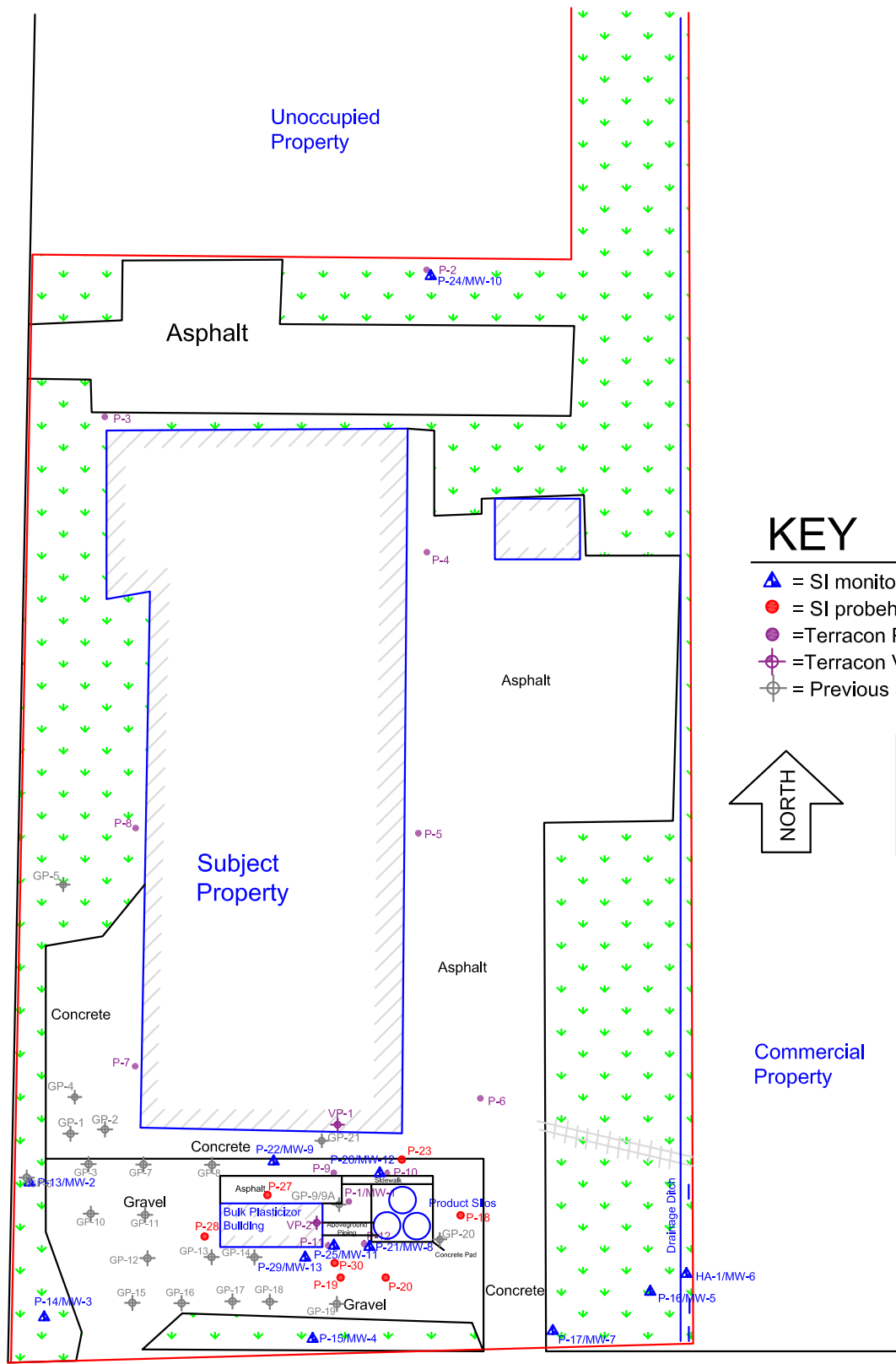
APPENDIX B  
MAPS & FIGURES



<p>Approximate Scale</p> <p>1" = 2,100'</p>	<p>United States Geological Survey Topographic Map Sheboygan Quadrangle</p> <p>SE 1/4 of the SW 1/4 of Section 35, Township 15 North, Range 23 East</p>	
	<p><b>Vicinity Diagram</b> 3123 South 9th Street Sheboygan, Wisconsin</p>	<p>Figure B.1.a.</p>



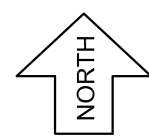
South 9th Street



Washington Ave

### KEY

- ▲ = SI monitoring well
- = SI probehole location
- = Terracon Probe
- ⊕ = Terracon Vapor Point
- ⊕ = Previous Sampling Location



**Scale**

0 ————— 100

1 inch = 100 feet

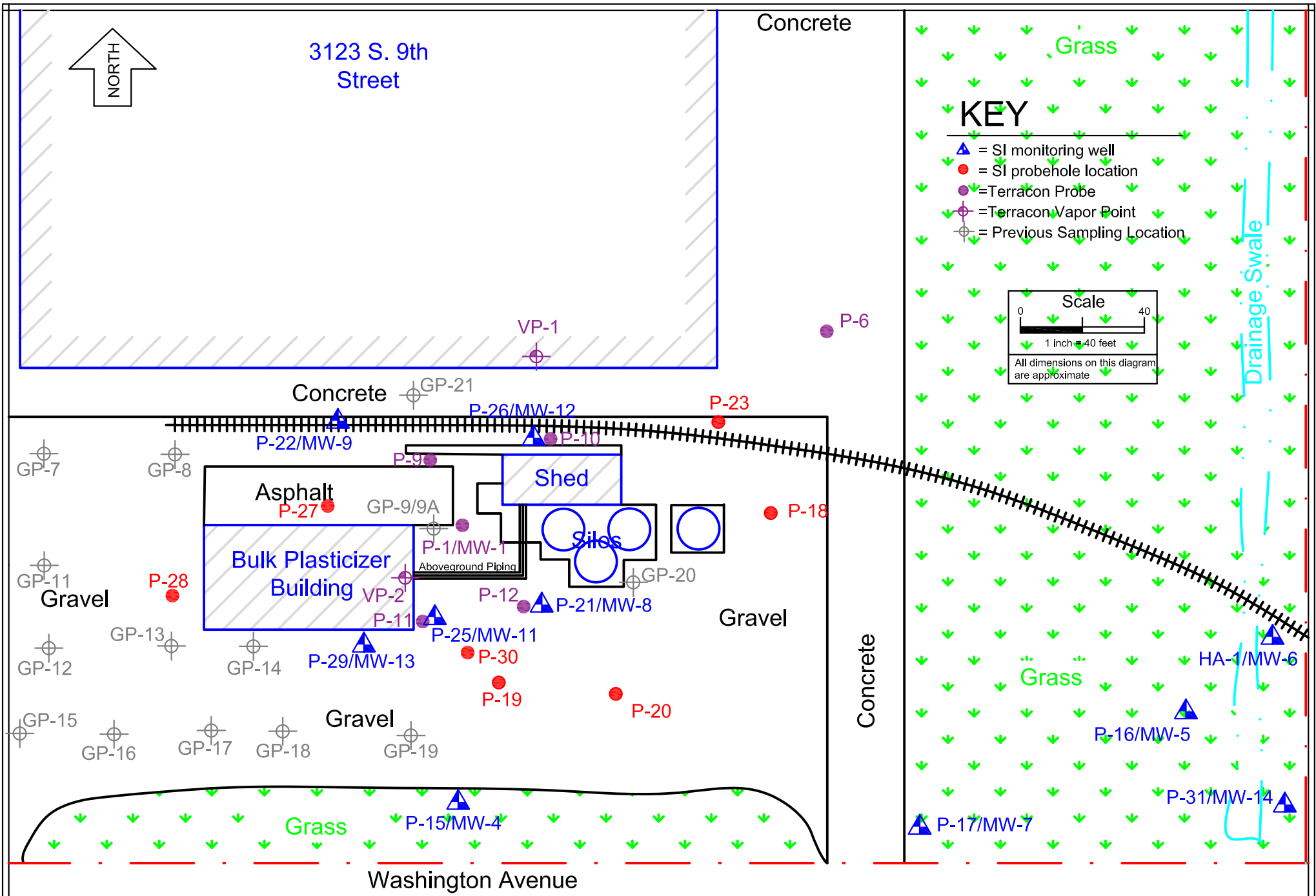
All dimensions on this diagram are approximate

**FRIESS**  
ENVIRONMENTAL  
CONSULTING, INC.

File No.: 200207a  
 DWG Date: 3-25-20  
 Rev Date: 6-8-20  
 Drawn By: BRF  
 Checked By (PM): TJO

**B.1.b Detailed Site Diagram**  
 VPI Property  
 3123 S. 9th Street  
 Sheboygan, Wisconsin

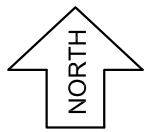
Figure  
 B.1.b



File No.: 200208 B.1.a2  
 DWG Date: 6-9-20  
 Rev Date: 11-10-20  
 Drawn By: BRF  
 Checked By (PM): TJO

**B.1.b.2 Detailed Site Diagram**  
 3123 South 9th Street  
 Sheboygan, Wisconsin

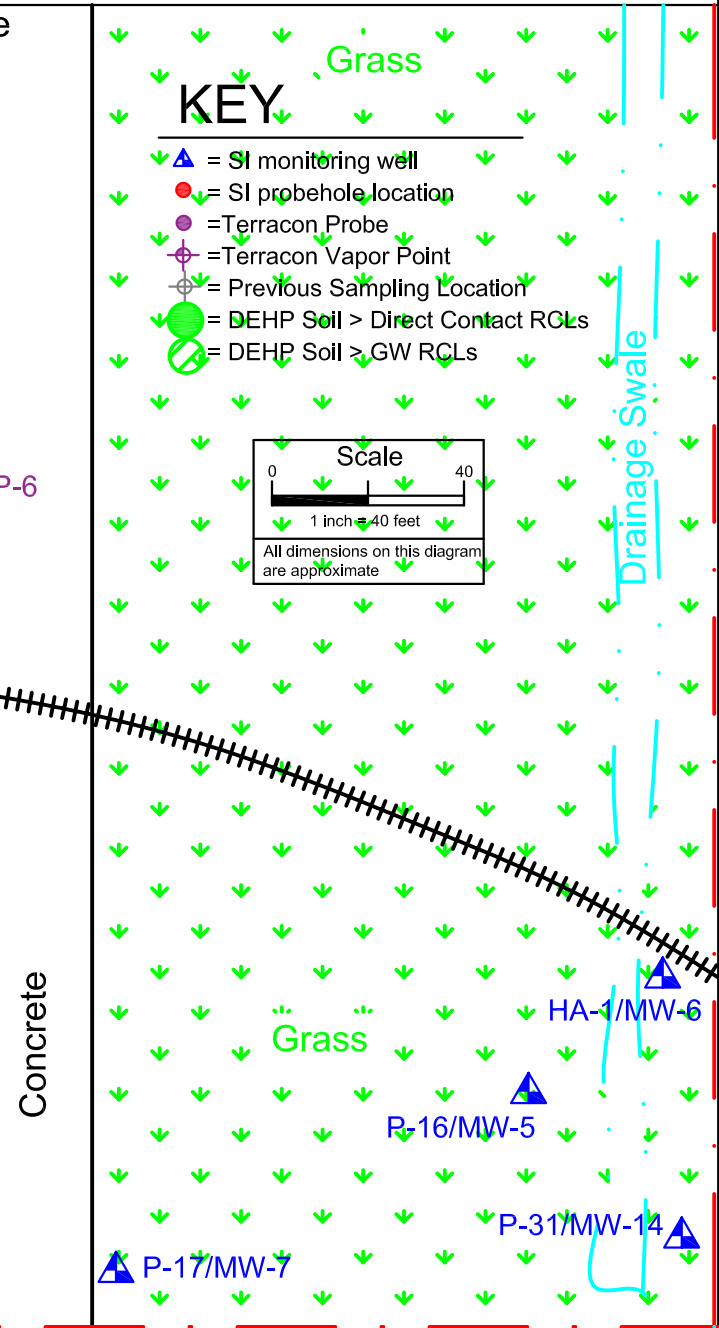
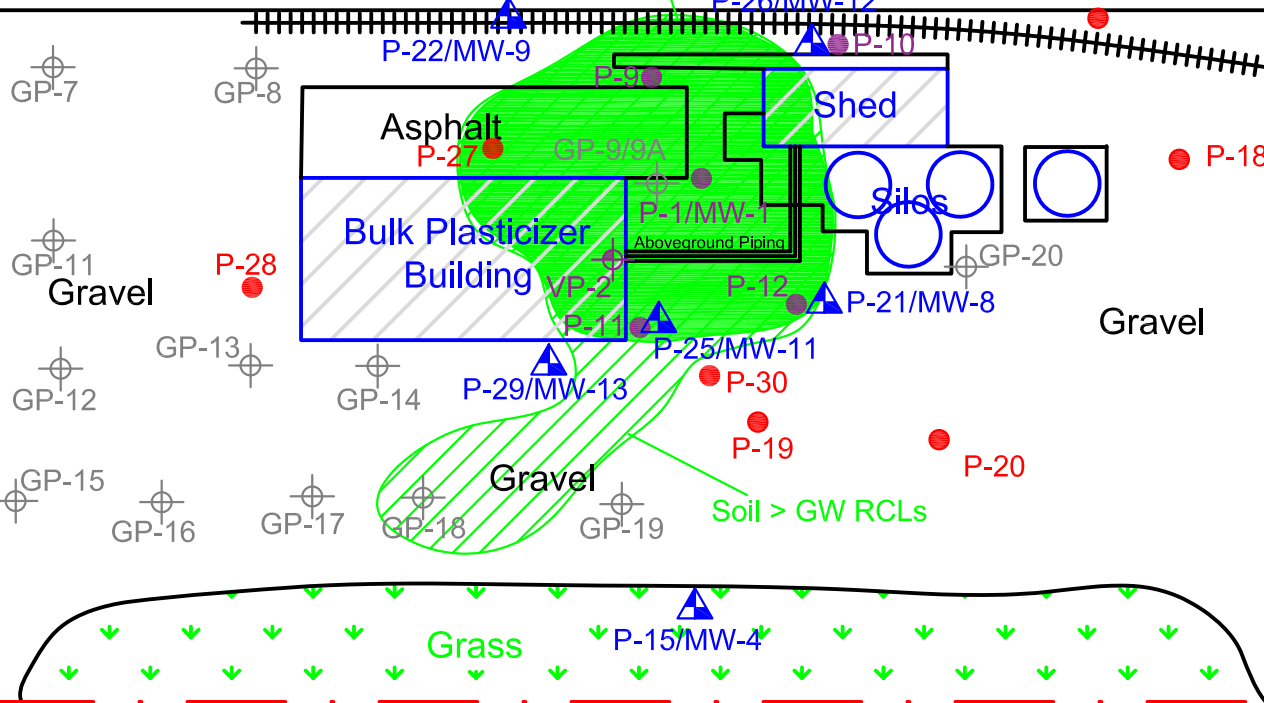
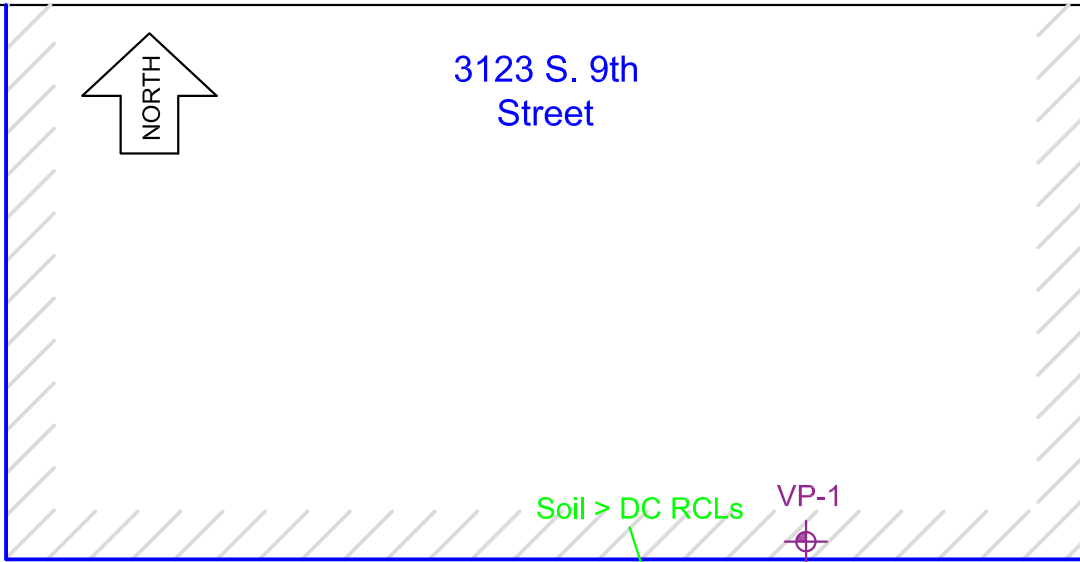
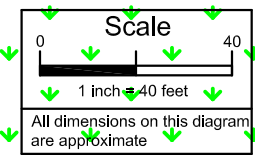
Figure  
 B.1.b.2.



3123 S. 9th Street

Concrete

- KEY**
- = SI monitoring well
  - = SI probehole location
  - = Terracon Probe
  - = Terracon Vapor Point
  - = Previous Sampling Location
  - = DEHP Soil > Direct Contact RCLs
  - = DEHP Soil > GW RCLs



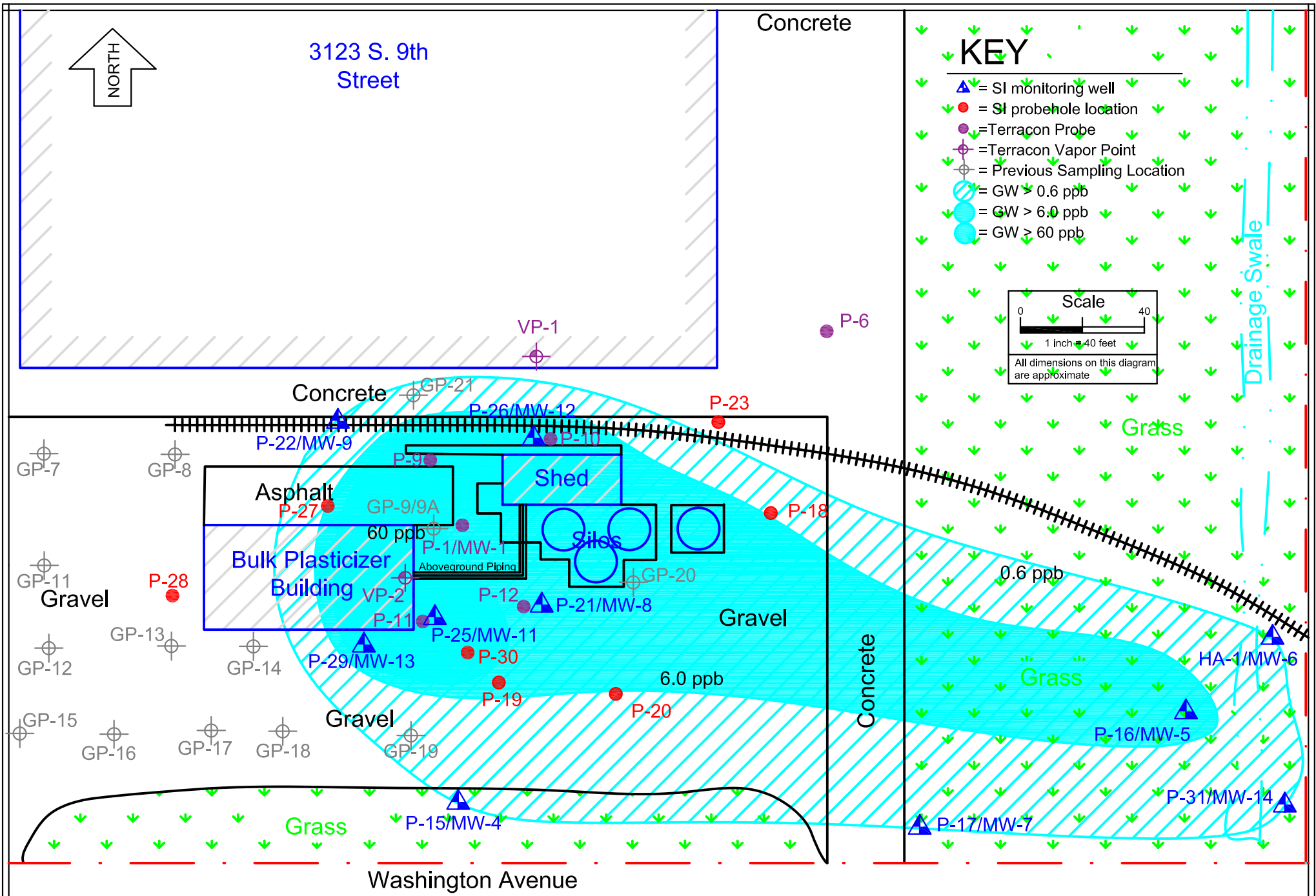
Washington Avenue



File No.: 200208 B.1.a.2
DWG Date: 6-9-20
Rev Date: 11-10-20
Drawn By: BRF
Checked By (PM): TJO

**B.2.a. Soil Contamination Diagram**  
 3123 South 9th Street  
 Sheboygan, Wisconsin

Figure  
 B.2.a.

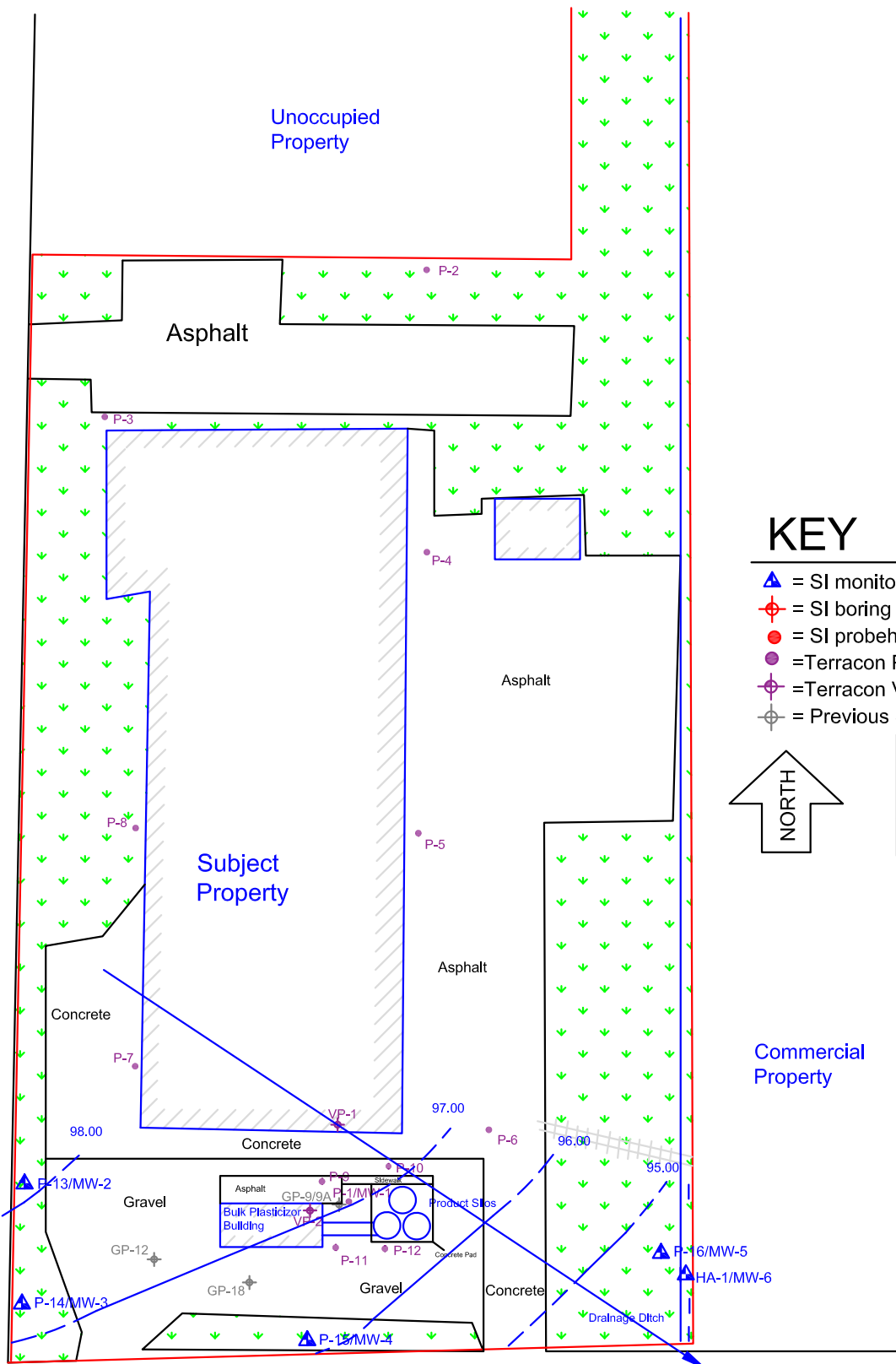


File No.: 200208 B.1.a2  
 DWG Date: 6-9-20  
 Rev Date: 11-10-20  
 Drawn By: BRF  
 Checked By (PM): TJO

**B.3.b. Groundwater Isoconcentration Diagram**  
 3123 South 9th Street  
 Sheboygan, Wisconsin

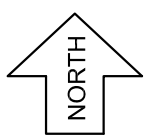
Figure  
 B.3.b.

South 9th Street



### KEY

- = SI monitoring well
- = SI boring location
- = SI probehole location
- = Terracon Probe
- = Terracon Vapor Point
- = Previous Sampling Location



**Scale**

0 60

1 inch = 60 feet

All dimensions on this diagram are approximate

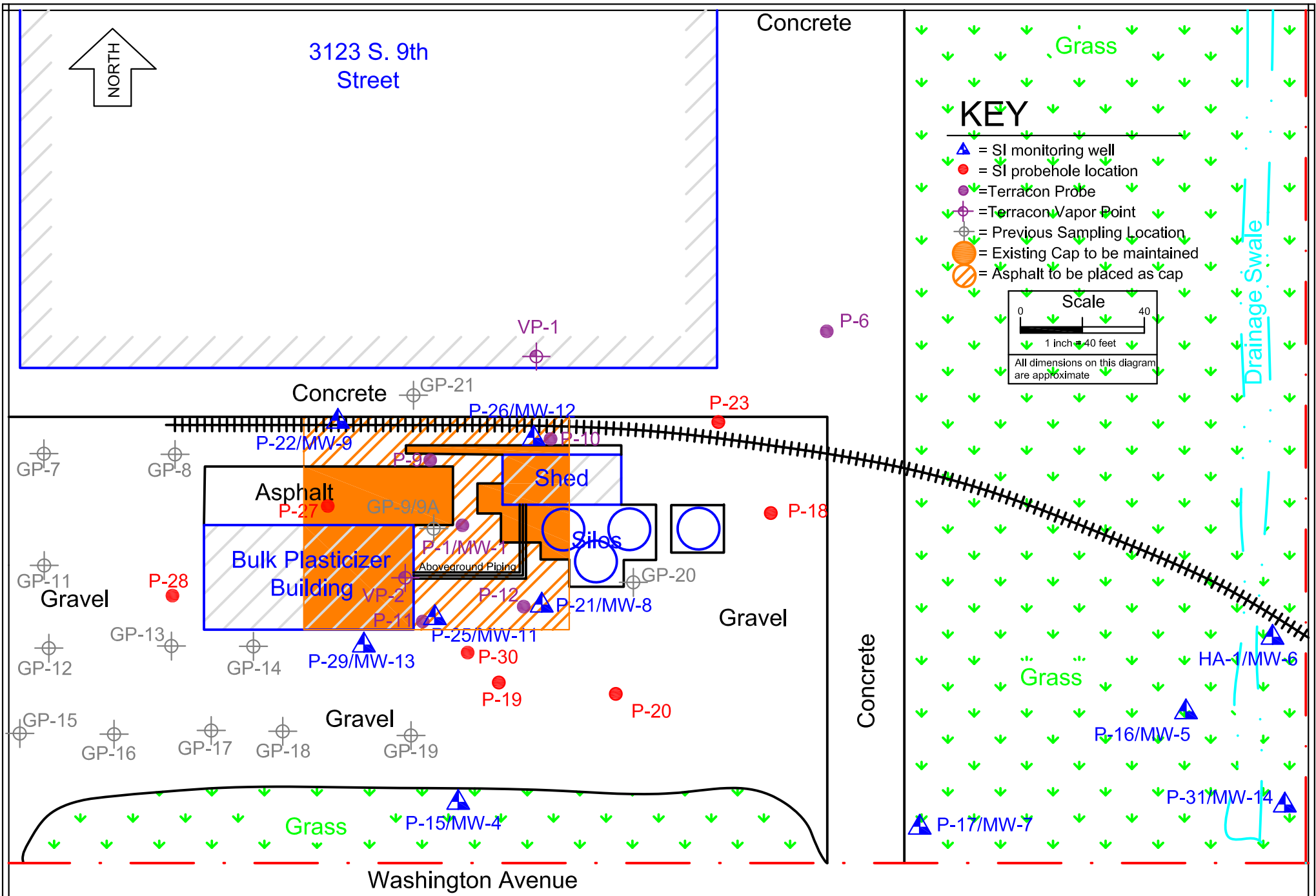
Washington Ave

**FRIESS**  
ENVIRONMENTAL  
CONSULTING, INC.

File No.: 200207a  
 DWG Date: 3-25-20  
 Rev Date: 6-8-20  
 Drawn By: BRF  
 Checked By (PM): TJO

**B.3.c Groundwater Flow Direction**  
 VPI Property  
 3123 S. 9th Street  
 Sheboygan, Wisconsin

Figure  
 B.3.c



File No.: 200208 B.1.a2  
 DWG Date: 6-9-20  
 Rev Date: 11-10-20  
 Drawn By: BRF  
 Checked By (PM): TJO

**D.2. Cap Maintenance Diagram**  
 3123 South 9th Street  
 Sheboygan, Wisconsin

**Figure**  
 D.2.

APPENDIX C  
DATA TABLES



**Table 1 (Page 1 of 3)**  
**Soil Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	Fill or Native	PID (iu)	S/US	VOCS											SVOCS				
					Benzene (ppb)	cis-1,2-Dichloro-ethene (ppb)	Ethyl-benzene (ppb)	Methyl tert-butyl ether (ppb)	Naphthalene (ppb)	Tetra-chloro-ethene (ppb)	Toluene (ppb)	1,1,1-Trichloro-ethane (ppb)	Trichloro-ethene (ppb)	Combined Trimethyl-benzenes (ppb)	Total Xylenes (ppb)	Bis-2-ethylhexyl phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Dinooctyl Phthalate (ppb)	Phenol (ppb)	Diisononyl Phthalate (ppb)
GP-1: 2-4 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
GP-1: 4-6 FT	1995	Native	NR	S	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	<400	NR	NR	NR	NR
GP-2: 2-4 FT	1995	Fill	NR	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-2: 4-6 FT	1995	Fill	NR	US	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	<390	NR	NR	NR	NR
GP-2: 6-8 FT	1995	Native	NR	S	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	NA	NA	NA	NA	NA
GP-3: 2-4 FT	1995	Fill	NR	US	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	<410	NR	NR	NR	NR
GP-3: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-3: 8-10 FT	1995	Native	NR	S	<62.0	<62.0	<62.0	NA	<310	<120	<62.0	<62.0	<62.0	<124	<180	NA	NA	NA	NA	NA
GP-4: 0-2 FT	1995	Fill	NR	US	<62.0	<62.0	<62.0	NA	<310	<120	<62.0	<62.0	<62.0	<124	<180	<410	NR	NR	NR	NR
GP-4: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<410	NR	NR	NR	NR
GP-4: 8-10 FT	1995	Native	NR	S	<57.0	<57.0	<57.0	NA	<280	<110	<57.0	<57.0	<57.0	<114	<170	NA	NA	NA	NA	NA
GP-5: 0-2 FT	1995	Fill	NR	US	<52.0	<52.0	<52.0	NA	<260	<100	<52.0	<52.0	<52.0	<104	<160	NA	NA	NA	NA	NA
GP-5: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<410	NR	NR	NR	NR
GP-5: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-5: 6-8 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-6: 2-4 FT	1995	Fill	NR	US	<56.0	<56.0	<56.0	NA	<280	<110	<56.0	<56.0	<56.0	<112	<170	NA	NA	NA	NA	NA
GP-6: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<380	NR	NR	NR	NR
GP-6: 6-8 FT	1995	Native	NR	S	<56.0	<56.0	<56.0	NA	<280	<110	<56.0	<56.0	<56.0	<112	<170	<370	NR	NR	NR	NR
GP-7: 0-2 FT	1995	Fill	NR	US	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	<390	NR	NR	NR	NR
GP-7: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-7: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-8: 2-4 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
GP-8: 8-10 FT	1995	Native	NR	S	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	<390	NR	NR	NR	NR
GP-9: 2-4 FT	1995	Fill	NR	US	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	NA	NA	NA	NA	NA
GP-9: 6-8 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<i>[360,000]</i>	NR	NR	NR	NR
GP-9: 8-10 FT	1995	Native	NR	S	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	<i>11,000</i>	NR	NR	NR	NR
GP-9A: 10-12 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NR	NR	NR	NR
GP-9A: 12-14 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	NR	NR	NR	NR
GP-10: 2-4 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
GP-10: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-10: 8-10 FT	1995	Native	NR	S	<61.0	<61.0	<61.0	NA	<300	<120	<61.0	<61.0	<61.0	<122	<180	NA	NA	NA	NA	NA
GP-11: 0-2 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-11: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<410	NR	NR	NR	NR
GP-11: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-11: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
NR 720 Groundwater RCL					5.1	41.2	1,570	27	658	4.5	1,107	140	3.6	1,379	3,960	2,880	NS	NS	2,000	NS
NR 720 Residential DC RCL					1,600	156,000	8,020	63,800	5,520	33,000	818,000	640,000	1,300	219K/182K	260,000	38,800	286,000	NS	19,000	NS
NR 720 Industrial DC RCL					7,070	2,340,000	35,400	282,000	24,100	145,000	818,000	640,000	8,410	219K/182K	260,000	164,000	1,210,000	NS	100,000	NS

Note: Only the detected compounds are presented.  
Note: NR 720 values are calculated utilizing the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890 (updated December 2017).  
Note: Concentrations that exceed their respective RCLs for the protection of groundwater are in *blue italics*.  
Note: Concentrations that exceed their respective non-industrial RCLs for direct contact are underlined.  
Note: Concentrations that exceed their respective industrial RCLs for direct contact are in [brackets].  
Note "J" indicates estimated concentration above the level of detection but less than the level of quantification.

**Table 1 (Page 2 of 3)**  
**Soil Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	Fill or Native	PID (iu)	S/US	VOCS											SVOCS				
					Benzene (ppb)	cis-1,2-Dichloro-ethene (ppb)	Ethyl-benzene (ppb)	Methyl tert-butyl ether (ppb)	Naphthalene (ppb)	Tetra-chloro-ethene (ppb)	Toluene (ppb)	1,1,1-Trichloro-ethane (ppb)	Trichloro-ethene (ppb)	Combined Trimethyl-benzenes (ppb)	Total Xylenes (ppb)	Bis-2-ethylhexyl phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Dinooctyl Phthalate (ppb)	Phenol (ppb)	Diisononyl Phthalate (ppb)
GP-12: 0-2 FT	1995	Fill	NR	US	<57.0	<57.0	<57.0	NA	<280	<110	<57.0	<57.0	<57.0	<114	<170	93.0	NR	NR	NR	NR
GP-12: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-12: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-13: 2-4 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
GP-13: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-13: 8-10 FT	1995	Native	NR	S	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	NA	NA	NA	NA	NA
GP-14: 0-2 FT	1995	Fill	NR	US	<67.0	<67.0	<67.0	NA	<330	<130	<67.0	<67.0	<67.0	<134	<200	NA	NA	NA	NA	NA
GP-14: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-14: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-14: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-15: 2-4 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
GP-15: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<390	NR	NR	NR	NR
GP-15: 8-10 FT	1995	Native	NR	S	<59.0	<59.0	<59.0	NA	<290	<120	<59.0	<59.0	<59.0	<118	<180	NA	NA	NA	NA	NA
GP-16: 2-4 FT	1995	Fill	NR	US	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	<390	NR	NR	NR	NR
GP-16: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-16: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-17: 0-2 FT	1995	Fill	NR	US	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-17: 2-4 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<420	NR	NR	NR	NR
GP-17: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-17: 6-8 FT	1995	Native	NR	S	<58.0	<58.0	<58.0	NA	<290	<120	<58.0	<58.0	<58.0	<116	<170	NA	NA	NA	NA	NA
GP-18: 2-4 FT	1995	Fill	NR	US	<62.0	<62.0	<62.0	NA	<310	<120	<62.0	<62.0	<62.0	<124	<180	790	NR	NR	NR	NR
GP-18: 4-6 FT	1995	Native	NR	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<i>16,000</i>	NR	NR	NR	NR
GP-18: 8-10 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	NA	NA	NA	NA	NA
GP-19: 4-6 FT	1995	Fill	NR	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<430	NR	NR	NR	NR
GP-19: 6-8 FT	1995	Native	NR	S	<64.0	<64.0	<64.0	NA	<320	<130	<64.0	<64.0	<64.0	<128	<190	<430	NR	NR	NR	NR
GP-20: 4-6 FT	1995	Fill	NR	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NR	NR	NR	NR
GP-20: 6-8 FT	1995	Native	NR	S	<59.0	<59.0	<59.0	NA	<290	<120	<59.0	<59.0	<59.0	<118	<180	<390	NR	NR	NR	NR
GP-21: 4-6 FT	1995	Fill	NR	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<420	NR	NR	NR	NR
GP-21: 6-8 FT	1995	Native	NR	S	<60.0	<60.0	<60.0	NA	<300	<120	<60.0	<60.0	<60.0	<120	<180	<400	NR	NR	NR	NR
P-1: 3 FT	12/10/2019	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<i>[16,400,000]</i>	NA	NA	NA	NA
P-9: 2 FT	1/8/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<i>[843,000]</i>	47.0	13,900	NA	26,000
P-9: 4 FT	1/8/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<i>7,750</i>	NA	NA	NA	NA
P-9: 6 FT	1/8/2020	Native	<1.0	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.0	NA	NA	NA	NA
NR 720 Groundwater RCL					5.1	41.2	1,570	27	658	4.5	1,107	140	3.6	1,379	3,960	2,880	NS	NS	2,000	NS
NR 720 Residential DC RCL					1,600	156,000	8,020	63,800	5,520	33,000	818,000	640,000	1,300	219K/182K	260,000	38,800	286,000	NS	19,000	NS
NR 720 Industrial DC RCL					7,070	2,340,000	35,400	282,000	24,100	145,000	818,000	640,000	8,410	219K/182K	260,000	164,000	1,210,000	NS	100,000	NS

Note: Only the detected compounds are presented.  
Note: NR 720 values are calculated utilizing the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890 (updated December 2017) .  
Note: Concentrations that exceed their respective RCLs for the protection of groundwater are in *blue italics* .  
Note: Concentrations that exceed their respective non-industrial RCLs for direct contact are underlined.  
Note: Concentrations that exceed their respective industrial RCLs for direct contact are in [brackets].  
Note "J" indicates estimated concentration above the level of detection but less than the level of quantification.

**Table 1 (Page 3 of 3)**  
**Soil Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	Fill or Native	PID (iu)	S/US	VOCS											SVOCS					
					Benzene (ppb)	cis-1,2-Dichloro-ethene (ppb)	Ethyl-benzene (ppb)	Methyl tert-butyl ether (ppb)	Naphthalene (ppb)	Tetra-chloro-ethene (ppb)	Toluene (ppb)	1,1,1-Trichloro-ethane (ppb)	Trichloro-ethene (ppb)	Combined Trimethyl-benzenes (ppb)	Total Xylenes (ppb)	Bis-2-ethylhexyl phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Dinocetyl Phthalate (ppb)	Phenol (ppb)	Diisononyl Phthalate (ppb)	
P-10: 2 FT	1/8/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>[1,680,000]</u>	3,450	<50	NA	41,200,000	
P-10: 4 FT	1/8/2020	Native	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>[22,400,000]</u>	NA	NA	NA	NA	
P-10: 6 FT	1/8/2020	Native	<1.0	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	611	NA	NA	NA	NA	
P-11: 2 FT	1/8/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	NA	NA	
P-11: 6 FT	1/8/2020	Native	<1.0	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,620	NA	NA	NA	NA	
P-12: 2 FT	1/8/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>[532,000]</u>	153	<50	NA	256,000	
P-12: 4 FT	1/8/2020	Native	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	238	NA	NA	NA	NA	
P-12: 6 FT	1/8/2020	Native	<1.0	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>6,020</u>	NA	NA	NA	NA	
P-12: 8 FT	1/8/2020	Native	<1.0	S	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	261	NA	NA	NA	NA	
P-13: 0-2 FT	3/30/2020	Fill	<1.0	US	<0.03	<0.032	<0.035	<0.05	<0.094	<0.032	<0.032	<0.03	<0.041	<0.057	<0.116	<89.8	<26.5	<24.4	<17.4	NA	
P-15: 0-2 FT	3/30/2020	Fill	<1.0	US	<0.03	<0.032	<0.035	<0.05	<0.094	<0.032	<0.032	<0.03	<0.041	<0.057	<0.116	<89.8	<26.5	<24.4	17.5 J	NA	
P-16: 0-2FT	3/30/2020	Fill	<1.0	US	<0.03	<0.032	<0.035	<0.05	<0.094	<0.032	<0.032	<0.03	<0.041	<0.057	<0.116	125 J	<26.5	<24.4	18.5 J	NA	
P-17:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<89.8	<26.5	<24.4	29 J	NA	
P-18:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<89.8	<26.5	<24.4	22.4 J	NA	
P-19:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<89.8	<26.5	<24.4	29.3 J	NA	
P-20:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<89.8	<26.5	<24.4	28.1 J	NA	
P-21:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<89.8	<26.5	<24.4	38 J	NA	
P-22:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,490	<26.5	<24.4	60 J	NA	
P-23:2-4 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,620	<26.5	<24.4	41 J	NA	
P-24:0-2 FT	10/27/2020	Fill	<1.0	US	<0.015	<0.021	<0.019	<0.041	<0.12	<0.04	<0.032	<0.053	<0.048	<0.071	<0.111	NA	NA	NA	NA	NA	
P-25:1 FT	10/27/2020	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>[167,000]</u>	<26.5	<24.4	25.9 J	NA	
P-26: 2-4 FT	5/6/2021	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96.0 J	<35.0	<45.0	<16.0	NA	
P-27: 2-4 FT	5/6/2021	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<u>[196,000]</u>	<35.0	<45.0	<16.0	NA	
P-28: 2-4 FT	5/6/2021	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410	<35.0	<45.0	<16.0	NA	
P-29: 2-4 FT	5/6/2021	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101 J	<35.0	<45.0	<16.0	NA	
P-30: 2-4 FT	5/6/2021	Fill	<1.0	US	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	282	<35.0	<45.0	<16.0	NA	
NR 720 Groundwater RCL					5.1	41.2	1,570	27	658	4.5	1,107	140	3.6	1,379	3,960	2,880	NS	NS	2,000	NS	
NR 720 Residential DC RCL					1,600	156,000	8,020	63,800	5,520	33,000	818,000	640,000	1,300	219K/182K	260,000	38,800	286,000	NS	NS	19,000	NS
NR 720 Industrial DC RCL					7,070	2,340,000	35,400	282,000	24,100	145,000	818,000	640,000	8,410	219K/182K	260,000	164,000	1,210,000	NS	NS	100,000	NS

Note: Only the detected compounds are presented.  
 Note: NR 720 values are calculated utilizing the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890 (updated December 2017) .  
 Note: Concentrations that exceed their respective RCLs for the protection of groundwater are in blue italics .  
 Note: Concentrations that exceed their respective non-industrial RCLs for direct contact are underlined.  
 Note: Concentrations that exceed their respective industrial RCLs for direct contact are in [brackets].  
 Note "J" indicates estimated concentration above the level of detection but less than the level of quantification.

**Table 2 (Page 1 of 3)**  
**Groundwater Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	VOCs								SVOCS					
		Benzene (ppb)	Chloro-methane (ppb)	1,1-Dichloro-ethane (ppb)	cis-1,2-Dichloro-ethene (ppb)	trans-1,2-Dichloro-ethene (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Total Xylenes (ppb)	Bis(2Ethyl-hexyl)-phthalate (ppb)	Diethyl-phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Diocetyl Phthalate (ppb)	Phenol (ppb)	Di-isononyl Phthalate (ppb)
P-3	12/13/2019	<0.25	<2.2	<0.27	<0.27	<1.10	0.48	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-4	12/13/2019	<0.25	<2.2	<0.27	<0.27	<1.10	<0.17	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-5	12/13/2019	0.25	2.40	<0.27	<0.27	<1.10	0.42	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-6	12/13/2019	<0.25	2.70	<0.27	<0.27	<1.10	<0.17	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-7	12/13/2019	<0.25	<2.2	<0.27	<0.27	<1.10	<0.17	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-8	12/13/2019	<0.25	<2.2	<0.27	<0.27	<1.10	0.36	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-9	1/17/2020	<0.25	<2.2	<0.27	<b>37.1</b>	2.40	0.27	<b>1.90</b>	<0.73	<b>149</b>	<1.7	<2.9	NA	NA	NA
P-1	12/13/2019	0.25	<2.2	<0.27	5.40	<1.10	0.30 J	<b>0.78 J</b>	<0.73	NA	NA	NA	NA	NA	NA
MW-1	1/17/2020	<0.25	<2.2	<0.27	<0.27	<1.10	<0.17	<b>0.67</b>	<0.73	<b>14.7</b>	<0.79	59.6	NA	NA	NA
	10/27/2020	<0.25	<2.2	<0.27	<b>10.20</b>	0.73	<0.17	<b>0.60 J</b>	<0.73	<b>7.60</b>	1.13 J	<0.96	<0.76	1.13 J	NA
	2/2/2021	<0.25	<2.2	<0.27	<b>9.30</b>	0.47 J	<0.17	<b>0.93</b>	<0.73	<b>8.70</b>	1.26 J	<0.96	<0.76	1.01 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>16.6</b>	1.13 J	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.30	<0.76	<1.33	<1.24	<0.69	NA
P-13/MW-2	4/2/2020	<0.33	<0.8	<0.46	<0.39	<0.37	0.57 J	<0.20	<1.48	<1.61	1.16 J	<0.96	<0.76	<0.68	NA
P-14/MW-3	4/2/2020	<0.33	<0.8	<0.46	<0.39	<0.37	0.35 J	<0.20	<1.48	<1.61	1.12 J	<0.96	<0.76	<0.68	NA
	10/27/2020	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	3.50 J	<0.96	3.50 J	2.06 J	NA
P-15/MW-4	4/2/2020	<0.33	<0.8	<0.46	<0.39	<0.37	0.37 J	<0.20	<1.48	<1.61	3.50 J	<0.96	<0.76	<0.68	NA
	10/27/2020	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	2.28 J	<0.96	<0.76	1.54 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	1.75 J	<0.96	<0.76	1.21 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.44 J</b>	1.11 J	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>4.70 J</b>	<0.76	<1.33	<1.24	<0.69	NA
NR 140 Groundwater ES		5.0	30.0	850	70	100	800	0.2	2,000	6	NS	NS	NS	NS	NS
NR 140 Groundwater PAL		0.5	3	85	7.0	20	160	0.02	400	0.6	NS	NS	NS	NS	NS

Note: Only the detected compounds are presented.

Note: "J" indicates slight detection above the level of detection but less than the level of quantification.

Note: Concentrations in **blue italics** exceed their respective NR 140 preventive action limits (PALs).

Note: Concentrations in **red bold** exceed their respective NR 140 enforcement standards (ESs).

Note: NA means not analyzed during that sampling period

**Table 2 (Page 2 of 3)**  
**Groundwater Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	VOCs								SVOCS					
		Benzene (ppb)	Chloro-methane (ppb)	1,1-Dichloro-ethane (ppb)	cis-1,2-Dichloro-ethene (ppb)	trans-1,2-Dichloro-ethene (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Total Xylenes (ppb)	Bis(2Ethyl-hexyl)-phthalate (ppb)	Diethyl-phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Di-octyl Phthalate (ppb)	Phenol (ppb)	Di-isononyl Phthalate (ppb)
P-16/MW-5	4/2/2020	<0.33	<0.8	<0.46	<0.39	<0.37	0.41 J	<0.20	<1.48	<b>34.0</b>	1.19 J	<0.96	<0.76	<0.68	NA
	10/27/2020	NA	NA	NA	NA	NA	NA	NA	NA	<b>5.10 J</b>	4.00	<0.96	<0.76	2.15 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>12.8</b>	2.44 J	<0.96	<0.76	1.01 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>13.2</b>	<0.76	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>10.0</b>	<0.76	<1.33	<1.24	<0.69	NA
HA-1/MW-6	4/2/2020	NR	NR	NR	NR	NR	NR	NR	NR	<b>8.40 J</b>	<3.36	<2.88	<2.28	<2.04	NA
	5/4/2020	NR	NR	NR	NR	NR	NR	NR	NR	<1.61	1.26 J	<2.88	<2.28	<2.04	NA
	10/27/2020	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	2.87 J	<0.96	<0.76	2.12 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	1.70 J	<0.96	<0.76	1.42 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.30	1.07 J	<1.33	<1.24	<0.69	NA
8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.88 J</b>	<0.76	<1.33	<1.24	<0.69	NA	
P-17/MW-7	10/28/2020	<0.33	<0.8	<0.46	<0.39	<0.37	<0.36	<0.20	<1.48	<1.61	3.13 J	<0.96	<0.76	1.99 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.82 J</b>	0.79 J	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.68 J</b>	<0.76	<1.33	<1.24	<0.69	NA
P-12	1/17/2020	<0.25	<2.2	<0.27	3.40	<10.9	<0.17	<b>0.18</b>	<0.73	<b>73.3</b>	1.80	<1.30	NA	NA	NA
P-21/MW-8	10/28/2020	<0.33	<0.8	<0.46	<0.39	<0.37	<0.36	<0.20	<1.48	<1.61	2.93 J	<0.96	<0.76	2.12 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.61	2.79 J	<0.96	<0.76	1.94 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>20.4</b>	1.97 J	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<1.30	<0.76	<1.33	<1.24	<0.69	NA
P-22/MW-9	10/28/2020	<0.33	<0.8	<0.46	<0.39	<0.37	<0.36	<0.20	<1.48	<b>46.0</b>	2.50 J	<0.96	<0.76	1.95 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>5.50</b>	2.24 J	<0.96	<0.76	1.72 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>12.2</b>	<0.76	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.76 J</b>	<0.76	<1.33	<1.24	<0.69	NA
NR 140 Groundwater ES		5.0	30.0	850	70	100	800	0.2	2,000	6	NS	NS	NS	NS	NS
NR 140 Groundwater PAL		0.5	3	85	7.0	20	160	0.02	400	0.6	NS	NS	NS	NS	NS

Note: Only the detected compounds are presented.

Note: "J" indicates slight detection above the level of detection but less than the level of quantification.

Note: Concentrations in **blue italics** exceed their respective NR 140 preventive action limits (PALs).

Note: Concentrations in **red bold** exceed their respective NR 140 enforcement standards (ESs).

Note: NA means not analyzed during that sampling period

**Table 2 (Page 3 of 3)**  
**Groundwater Analytical Results**  
**VPI Property - 3123 South 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	VOCs								SVOCS					
		Benzene (ppb)	Chloro-methane (ppb)	1,1-Dichloro-ethane (ppb)	cis-1,2-Dichloro-ethene (ppb)	trans-1,2-Dichloro-ethene (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Total Xylenes (ppb)	Bis(2Ethyl-hexyl)-phthalate (ppb)	Diethyl-phthalate (ppb)	Butyl Benzyl Phthalate (ppb)	Diocetyl Phthalate (ppb)	Phenol (ppb)	Di-isononyl Phthalate (ppb)
P-2	12/13/2019	<0.25	<2.2	<0.27	<i>10.6</i>	<1.10	0.26	<0.17	<0.73	NA	NA	NA	NA	NA	NA
P-24/MW-10	10/28/2020	<0.33	<0.8	<0.46	<0.39	<0.37	<0.36	<0.20	<1.48	NA	NA	NA	NA	NA	NA
	2/2/2021	<0.33	<0.8	<0.46	<0.39	<0.37	<0.36	<0.20	<1.48	NA	NA	NA	NA	NA	NA
P-11	1/17/2020	<2.5	<21.9	<2.7	<2.7	<1.10	<1.7	<1.7	<7.30	<b>2,940,000</b>	<64,000	<108,000	NA	NA	NA
P-25/MW-11	11/5/2020	NA	NA	NA	NA	NA	NA	NA	NA	<b>532,000</b>	<11.2	110.0	<7,600	5.50 J	NA
	2/2/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>30,000</b>	1.90 J	<1.30	1,070	2.11 J	NA
	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>9,200</b>	1.08 J	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>2,930</b>	<760	<1,330	<1,240	<690	NA
P-10	1/17/2020	0.26	<2.2	0.38	4.40	<1.10	<0.17	<b>0.56</b>	0.53	<b>5,350</b>	<91.2	<153	NA	NA	NA
P-26/MW-12	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>115</b>	2.42 J	<1.33	<1.24	0.74 J	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>2,470</b>	<760	<1,330	<1,240	<690	NA
P-29/MW-13	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>3,700</b>	<0.76	<1.33	<1.24	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<b>2,230</b>	<760	<1,330	<1,240	<690	NA
P-31/MW-14	5/11/2021	NA	NA	NA	NA	NA	NA	NA	NA	<i>3.80 J</i>	1.06 J	<1.33	4.30 J	<0.69	NA
	8/13/2021	NA	NA	NA	NA	NA	NA	NA	NA	<i>1.65 J</i>	<0.76	<1.33	<1.24	<0.69	NA
NR 140 Groundwater ES		5.0	30.0	850	70	100	800	0.2	2,000	6	NS	NS	NS	NS	NS
NR 140 Groundwater PAL		0.5	3	85	7.0	20	160	0.02	400	0.6	NS	NS	NS	NS	NS

Note: Only the detected compounds are presented.

Note: "J" indicates slight detection above the level of detection but less than the level of quantification.

Note: Concentrations in *blue italics* exceed their respective NR 140 preventive action limits (PALs).

Note: Concentrations in **red bold** exceed their respective NR 140 enforcement standards (ESs).

Note: NA means not analyzed during that sampling period

**Table 3**  
**Vapor Analytical Results**  
**VPI Property - 3123 S. 9th Street**  
**Sheboygan, Wisconsin**

Sample Location	Sampling Date	Acetone (ug/m <sup>3</sup> )	Benzene (ug/m <sup>3</sup> )	Carbon Disulfide (ug/m <sup>3</sup> )	Chloro-methane (ug/m <sup>3</sup> )	Cyclo-hexane (ug/m <sup>3</sup> )	DEHP (ug/m <sup>3</sup> )	Dichloro-difluoro-methane (ug/m <sup>3</sup> )	cis-1,2-DCE (ug/m <sup>3</sup> )	Ethanol (ug/m <sup>3</sup> )	Ethyl-benzene (ug/m <sup>3</sup> )	Heptane (ug/m <sup>3</sup> )	Hexane (ug/m <sup>3</sup> )	2-Hexanone (ug/m <sup>3</sup> )
VP-1	1/8/20	36.3	1.60	2.80	1.10	1.30 J	NA	2.60	0.99 J	14.4	<0.56	<0.70	1.80	<1.40
	9/11/20	140	1.69	3.80	<0.831	<0.212	<45.0	3.11	<0.197	34.0	1.69	2.04	4.20	3.20
VP-2	1/8/20	1,760	6.00	7.80	<0.27	21.9	NA	0.98 J	<0.38	47.3	1.10 J	15.8	44.8	19.1
	9/11/20	2,090	80.0	43.0	3.30	37.0	<45.0	2.92	<0.197	250	27.9	141	108	164
Residential VRSL		<i>10,666,667</i>	120	243,333	3,130	2,100,000	390	3,300	600	NS	370	140,000	243,333	1,043
Commercial VRSL		<i>46,666,667</i>	530	1,033,333	13,133	8,666,667	1,730	15,000	2,600	NS	1,600	600,000	1,033,333	4,367
Industrial VRSL		<i>140,000,000</i>	1,600	3,100,000	39,400	26,000,000	5,110	44,000	7,700	NS	4,900	1,800,000	3,100,000	13,100

Sample Location	Sampling Date	MEK (ug/m <sup>3</sup> )	MIBK (ug/m <sup>3</sup> )	Methylene Chloride (ug/m <sup>3</sup> )	Naphthalene (ug/m <sup>3</sup> )	2-Propanol (ug/m <sup>3</sup> )	PCE (ug/m <sup>3</sup> )	Tetrahydrofuran (ug/m <sup>3</sup> )	Toluene (ug/m <sup>3</sup> )	TCE (ug/m <sup>3</sup> )	Trichloro-fluoro-methane (ug/m <sup>3</sup> )	1,2,4-TMB (ug/m <sup>3</sup> )	1,3,5-TMB (ug/m <sup>3</sup> )	Xylenes (ug/m <sup>3</sup> )
VP-1	1/8/20	2.90 J	<0.95	5.10 J	<2.40	10.3	0.75 J	1.90	1.90	3.60	1.30 J	<0.83	<0.73	<1.93
	9/11/20	5.30	2.01	18.2	1.52 J	20.0	1.09	<0.131	81.0	<0.237	1.85	2.94	0.69 J	6.12
VP-2	1/8/20	234	152	3.60 J	6.80	138	<0.55	<0.46	9.90	2.00	<0.64	2.90	0.92 J	10.6
	9/11/20	610	450	<15.0	0.99 J	360	<0.278	<0.131	143	<0.237	1.40	9.70	3.30	57.6
Residential VRSL		<i>1,733,333</i>	<i>1,033,333</i>	21,000	28	6,967	1,400	69,667	170,000	70	NS	2,100	2,100	3,300
Commercial VRSL		<i>7,333,333</i>	<i>4,333,333</i>	87,000	120	29,200	6,000	292,000	730,000	290	NS	8,700	8,700	15,000
Industrial VRSL		<i>22,000,000</i>	<i>13,000,000</i>	260,000	360	87,600	18,000	876,000	2,200,000	880	NS	26,000	26,000	44,000

Note: Only the detected compounds are presented.

Note: "J" indicates slight detection above the level of detection but less than the level of quantification.

Note: Concentrations in *blue italics* exceed their respective residential sub-slab vapor risk screening levels (VRSLs).

Note: Concentrations in *red* exceed their respective commercial sub-slab VRSLs.

Note: Concentrations in *red bold* exceed their respective industrial sub-slab VRSLs.

Note: NA means not analyzed during that sampling period



**A.6. Water Level Elevations  
VPI Property  
3123 South 9th Street  
Sheboygan, Wisconsin**

<b>Well Number</b>	<b>Date</b>	<b>Well Depth</b>	<b>Surface Elevation</b>	<b>Casing Elevation</b>	<b>*GW Below Casing</b>	<b>GW Elevation</b>
<b>MW-1</b> 10' screen	5/29/2020	15.00	100.34	99.95	2.65	<b>97.30</b>
	10/27/2020				2.49	<b>97.46</b>
	2/2/2021				2.50	<b>97.45</b>
	8/13/2021				2.79	<b>97.16</b>
<b>MW-2</b> 10' screen	5/29/2020	13.00	101.69	103.89	5.79	<b>98.10</b>
<b>MW-3</b> 10' screen	5/29/2020	13.00	101.38	103.58	6.32	<b>97.26</b>
	10/27/2020				6.43	<b>97.15</b>
<b>MW-4</b> 10' screen	5/29/2020	13.00	100.61	100.00	5.30	<b>94.70</b>
	10/27/2020				5.53	<b>94.47</b>
	2/2/2021				5.57	<b>94.43</b>
	5/11/2021				3.98	<b>96.02</b>
	8/13/2021				4.94	<b>95.06</b>
<b>MW-5</b> 10' screen	5/29/2020	13.00	98.99	98.40	5.34	<b>93.06</b>
	10/27/2020				5.60	<b>92.80</b>
	2/2/2021				5.58	<b>92.82</b>
	5/11/2021				3.78	<b>94.62</b>
	8/13/2021				3.35	<b>95.05</b>
<b>MW-6</b> 5' screen	5/29/2020	8.00	98.00	97.57	3.00	<b>94.57</b>
	10/27/2020				3.00	<b>94.57</b>
	2/2/2021				3.12	<b>94.45</b>
	5/11/2021				2.13	<b>95.44</b>
	8/13/2021				1.91	<b>95.66</b>
<b>MW-7</b> 10' screen	10/27/2020	13.00	100.67	99.59	5.06	<b>94.53</b>
	2/2/2021				NM	<b>NM</b>
	5/11/2021				4.02	<b>95.57</b>
	8/13/2021				4.34	<b>95.25</b>
<b>MW-8</b> 10' screen	10/27/2020	13.00	100.93	100.16	4.33	<b>95.83</b>
	2/2/2021				4.60	<b>95.56</b>
	8/13/2021				3.26	<b>96.90</b>
<b>MW-9</b> 10' screen	10/27/2020	13.00	100.32	99.72	1.70	<b>98.02</b>
	2/2/2021				2.20	<b>97.52</b>
	8/13/2021				3.19	<b>96.53</b>
<b>MW-10</b> 10' screen	10/27/2020	13.00			NM	<b>NM</b>
<b>MW-11</b> 10' screen	10/27/2020	13.00	100.30	100.22	Product	<b>Product</b>
	2/2/2021				Product	<b>Product</b>
	5/11/2021				NM	<b>NM</b>
	8/13/2021				NM	<b>NM</b>
<b>MW-12</b> 10' screen	5/11/2021	13.00	100.18	100.02	NM	<b>NM</b>
	8/13/2021				NM	<b>NM</b>
<b>MW-13</b> 10' screen	5/11/2021	13.00	100.32	100.02	Product	<b>Product</b>
	8/13/2021				NM	<b>NM</b>
<b>MW-14</b> 10' screen	5/11/2021	13.00	99.00	98.91	3.70	<b>95.21</b>
	8/13/2021				5.27	<b>93.64</b>

\*Measured from the north rim of the top of well casing.  
All measurements are presented in feet.

APPENDIX D  
DOCUMENTATION



**VPI Corporation**  
3123 S. 9th Street  
P.O. Box 451  
Sheboygan, WI 53082-0451, U.S.A.  
920-458-4664 • Fax 920-458-1368  
www.vpiflooring.com

September 9, 2021

Ms. Roxanne Chonert  
Wisconsin DNR  
2984 Shawano Avenue  
Green Bay, WI 54313

RE: Emerging Contaminants Statement for VPI Corporation located at 3123 South 9<sup>th</sup> Street in Sheboygan, WI, DNR BRRTS No. 02-60-001045

Ms. Chonert:

Per the requirements of the Wisconsin DNR, VPI Corporation (VPI) is providing this statement regarding the potential production, use, handling, storage, management, or disposal of perfluoroalkyl and polyfluoroalkyl substances (PFAS) at or from the property.

VPI is a manufacturer in the plastics industry and has been located at the property since 1968. I have been the Vice President, Finance & Administration for VPI since 2008 and have had responsibility for general business operations for much of that time. Mr. Andrew Pazur has worked at VPI as its Technical Manager from 1997 until his retirement in 2010. He continues to consult for VPI to this day. Andrew has confirmed that PFAS containing materials are not necessary in the manufacturing of any of VPI's products. Based on our knowledge and review of the available information, including supplier statements and safety data sheets (SDS), it has been determined that no PFAS are currently being used at VPI. Furthermore, VPI has no evidence, or reason to believe, PFAS have been produced, used, handled, stored, managed, or disposed of at or from the VPI property since locating here in 1968.

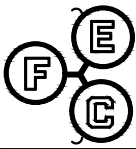
We trust that this information is sufficient to support our opinion that further evaluation for potential PFAS at the property is not warranted.

Regards,

A handwritten signature in black ink, appearing to read 'Jeff Udovich', is written over a white background.

Jeff Udovich  
Sr. Vice President, Finance & Administration  
VPI Corporation





Boring Number:  
**P-26/MW-12**

Facility/Project Name:

**VPI Property**

FEC Project Number:

**200208**

Boring Drilled By:

**Giles Engineering Associates Inc.**

Date Drilling Started:

**05-11-2021**

Date Drilling Completed:

**05-11-2021**

Drilling Method:

**soil probe**

WI Unique Well No.:

**SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E**

Location Description:

**P-10 location**

Facility ID:

County:

**Sheboygan**

County Code:

**60**

Town/City/or Village:

**Sheboygan**

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft	bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0		Concrete			0
2	24	NM	NM	2		Fill - Brown sand, gravel, brick	SW		0
3	24	NM	NM	4		Wet			0
4	24	NM	NM	6		Brown Clay	CL		0
5	24	NM	NM	8					0
6	24	NM	NM	10					0
				12					0
				14		End of probehole at 13 feet below ground surface. * - indicated sample submitted for laboratory analysis			0
				16					0
				18					0
				20					0
				22					0

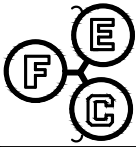
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature



Firm

**Friess Environmental Consulting Inc.**



Boring Number:

P-27

Facility/Project Name:

VPI Property

FEC Project Number:

200208

Boring Drilled By:

Giles Engineering Associates Inc.

Date Drilling Started:

05-11-2021

Date Drilling Completed:

05-11-2021

Drilling Method:

soil probe

WI Unique Well No.:

SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E

Location Description:

South of MW-9

Facility ID:

County:

Sheboygan

County Code:

60

Town/City/or Village:

Sheboygan

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0	Asphalt			0
2	24	NM	NM	2	Gray Clay  Wet	CL		0
3	24	NM	NM	4				0
4	24	NM	NM	6				0
5	24	NM	NM	8				0
				10				0
				12	End of probehole at 10 feet below ground surface.  * - indicated sample submitted for laboratory analysis			
				14				
				16				
				18				
				20				
				22				

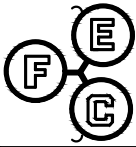
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature



Firm

Friess Environmental Consulting Inc.



Boring Number:

P-28

Facility/Project Name:

VPI Property

FEC Project Number:

200208

Boring Drilled By:

Giles Engineering Associates Inc.

Date Drilling Started:

05-11-2021

Date Drilling Completed:

05-11-2021

Drilling Method:

soil probe

WI Unique Well No.:

SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E

Location Description:

Upgradient

Facility ID:

County:

Sheboygan

County Code:

60

Town/City/or Village:

Sheboygan

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0	Asphalt			0
2	24	NM	NM	2	Gray Clay Wet	CL		0
3	24	NM	NM	4				0
4	24	NM	NM	6				0
5	24	NM	NM	8				0
				10				0
				12	End of probehole at 10 feet below ground surface.  * - indicated sample submitted for laboratory analysis			
				14				
				16				
				18				
				20				
				22				

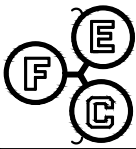
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature



Firm

Friess Environmental Consulting Inc.



Boring Number:  
**P-29/MW-13**

Facility/Project Name:

**VPI Property**

FEC Project Number:

**200208**

Boring Drilled By:

**Giles Engineering Associates Inc.**

Date Drilling Started:

**05-11-2021**

Date Drilling Completed:

**05-11-2021**

Drilling Method:

**soil probe**

WI Unique Well No.:

**SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E**

Location Description:

**Upgradient of MW-11**

Facility ID:

County:

**Sheboygan**

County Code:

**60**

Town/City/or Village:

**Sheboygan**

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0	Gravel			0
2	24	NM	NM	2	Fill - Brown sand, gravel, brick	SW		0
3	24	NM	NM	4	Wet  Brown Clay	CL		0
4	24	NM	NM	6				0
5	24	NM	NM	8				0
6	24	NM	NM	10				0
				12				0
				14				0
				16	End of probehole at 13 feet below ground surface.			
				18	* - indicated sample submitted for laboratory analysis			
				20				
				22				

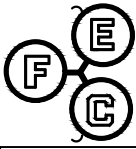
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature



Firm

**Friess Environmental Consulting Inc.**



Boring Number:

P-30

Facility/Project Name:

VPI Property

FEC Project Number:

200208

Boring Drilled By:

Giles Engineering Associates Inc.

Date Drilling Started:

05-11-2021

Date Drilling Completed:

05-11-2021

Drilling Method:

soil probe

WI Unique Well No.:

SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E

Location Description:

Downgradient of MW-11

Facility ID:

County:

Sheboygan

County Code:

60

Town/City/or Village:

Sheboygan

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0	Gravel			0
2	24	NM	NM	2	Fill - Brown sand, gravel, brick	SW		0
3	24	NM	NM	4	Wet			0
4	24	NM	NM	6	Brown Clay	CL		0
5	24	NM	NM	8				0
				10	End of probehole at 10 feet below ground surface.			
				12	* - indicated sample submitted for laboratory analysis			
				14				
				16				
				18				
				20				
				22				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

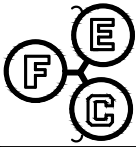
Signature



Firm

Friess Environmental Consulting Inc.





Boring Number:  
**P-31/MW-14**

Facility/Project Name:

**VPI Property**

FEC Project Number:

**200208**

Boring Drilled By:

**Giles Engineering Associates Inc.**

Date Drilling Started:

**05-11-2021**

Date Drilling Completed:

**05-11-2021**

Drilling Method:

**soil probe**

WI Unique Well No.:

**SE 1/4 of SW 1/4 of Section 35 T 15N. R 23 E**

Location Description:

**MW-14, Downgradient**

Facility ID:

County:

**Sheboygan**

County Code:

**60**

Town/City/or Village:

**Sheboygan**

Sample No.	Length Recovered	Blow Counts (N)	Compressive Strength (QP)	Depth in ft bgs	Soil/rock description	USCS Class.	Graphic log	PID Reading
1	24	NM	NM	0	Topsoil			0
2	24	NM	NM	2	Fill - Brown sand	SM		0
3	24	NM	NM	4	Brown Clay	CL		0
4	24	NM	NM	6	Very Wet Brown Clay	CL		0
5	24	NM	NM	8				0
6	24	NM	NM	10	Gray/ Brown Stiff Clay	CL		0
				12				0
				14	End of probehole at 13 feet below ground surface.			
				16	* - indicated sample submitted for laboratory analysis			
				18				
				20				
				22				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature



Firm

**Friess Environmental Consulting Inc.**

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

County <u>Sleboyan</u>		WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <u>VPI Property</u>
Latitude / Longitude (see instructions) <u>43° 72' 14" N</u> <u>-87° 21' 40" W</u>		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <u>460041560</u>
1/4 NE or Gov't Lot # <u>1/4 SW</u>	Section <u>3S</u>	Township <u>1S N</u>	Range <u>23 E</u>	License/Permit/Monitoring # <u>WR P-27</u>
Well Street Address <u>3123 S 9th St</u>				Original Well Owner <u>Jeff Udovich</u>
Well City, Village or Town <u>Sleboyan</u>				Present Well Owner <u>Jeff Udovich</u>
Subdivision Name _____				Mailing Address of Present Owner <u>3123 S 9th St</u>
Well ZIP Code <u>53001</u>				City of Present Owner <u>Sleboyan WI</u>
Lot # _____				State <u>WI</u>
Reason for Removal from Service <u>Probe</u>				ZIP Code <u>53001</u>
WI Unique Well # of Replacement Well _____				

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <u>05/11/2021</u>
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input checked="" type="checkbox"/> Borehole / Drillhole	
Construction Type:	
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input checked="" type="checkbox"/> Other (specify): <u>Probe</u>	
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Ground Surface (ft.) <u>N/A</u>	Casing Diameter (in.) <u>N/A</u>
Lower Drillhole Diameter (in.) <u>N/A</u>	Casing Depth (ft.) <u>N/A</u>
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	
If yes, to what depth (feet)? <u>X</u>	Depth to Water (feet) <u>X</u>

**4. Pump, Liner, Screen, Casing & Sealing Material**

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Required Method of Placing Sealing Material			
<input checked="" type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Concrete	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

**5. Material Used to Fill Well / Drillhole**

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite</u>	<u>Surface</u>	<u>10</u>		

**6. Comments**

**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing <u>Trenton OH</u>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>05-11-21</u>	DNR Use Only	
Street or Route <u>6635 N Sidney Pl</u>			Date Received	Noted By
City <u>Milwaukee</u>			Telephone Number <u>(414) 728-7215</u>	Comments
State <u>WI</u>	ZIP Code <u>53204</u>	Signature of Person Doing Work <u>Trenton OH</u>	Date Signed <u>09/15/21</u>	



**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:  
 Drinking Water     Watershed/Wastewater     Remediation/Redevelopment  
 Waste Management     Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

County <b>Sleboyan</b>	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <b>VPI Property</b>
Latitude / Longitude (see instructions) <b>43° 72' 14" N</b> <b>-87° 71' 40" W</b>	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) <b>460041560</b>
1/4 NE 1/4 SW or Govt Lot #	Section <b>3S</b>	Township <b>15 N</b>	Range <b>23 E</b>
Well Street Address <b>3123 S 9th St</b>			Original Well Owner <b>Jeff Udovich</b>
Well City, Village or Town <b>Sleboyan</b>			Present Well Owner <b>Jeff Udovich</b>
Subdivision Name _____			Mailing Address of Present Owner <b>3123 S 9th St</b>
Well ZIP Code <b>53001</b>			City of Present Owner <b>Sleboyan</b>
Lot # _____			State <b>WI</b>
Reason for Removal from Service <b>Probe</b>			ZIP Code <b>53001</b>
WI Unique Well # of Replacement Well _____			

**3. Filled & Sealed Well / Drillhole / Borehole Information**      **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>05/11/2021</b>	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <b>Probe</b>		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <b>N/A</b>	Casing Diameter (in.) <b>N/A</b>	Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <b>N/A</b>	Casing Depth (ft.) <b>N/A</b>	Did material settle after 24 hours? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)? <b>X</b>	Depth to Water (feet) <b>X</b>	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material		
<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped		
<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____		
Sealing Materials		
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete		
<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips		
For Monitoring Wells and Monitoring Well Boreholes Only:		
<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout		
<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry		

5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>Bentonite</b>		<b>Surface</b>	<b>10</b>		

**6. Comments**

**7. Supervision of Work**      **- DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>Trenden Ott</b>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>05-11-21</b>	Date Received	Noted By
Street or Route <b>6635 N Sidley Pl</b>	Telephone Number <b>(414) 720-7015</b>	Comments		
City <b>Milwaukee</b>	State <b>WI</b>	ZIP Code <b>53204</b>	Signature of Person Doing Work <b>Trenden J Ott</b>	Date Signed <b>09/15/21</b>



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information			2. Facility / Owner Information		
County <u>Sleboyan</u>	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <u>VPI Property</u>		
Latitude / Longitude (see instructions) <u>43° 72' 14" N</u> <u>-87° 71' 40" W</u>		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Facility ID (FID or PWS) <u>460041560</u>		
1/4 NE 1/4 SW or Govt Lot #		Section <u>35</u>	Township <u>15 N</u>	Range <u>23 E</u> <input type="checkbox"/> W	License/Permit/Monitoring # <u>WA P-28</u>
Well Street Address <u>3123 S 9th St</u>			Original Well Owner <u>Jeff Udovich</u>		
Well City, Village or Town <u>Sleboyan</u>			Present Well Owner <u>Jeff Udovich</u>		
Subdivision Name _____			Mailing Address of Present Owner <u>3123 S 9th St</u>		
Lot # _____			City of Present Owner <u>Sleboyan WI</u>		
Reason for Removal from Service <u>Probe</u>			State <u>WI</u>		
WI Unique Well # of Replacement Well _____			ZIP Code <u>53001</u>		

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <u>05/11/2021</u>	Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type:		Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <u>Probe</u>		Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Formation Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Did material settle after 24 hours?	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <u>N/A</u>	Casing Diameter (in.) <u>N/A</u>	If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <u>N/A</u>	Casing Depth (ft.) <u>N/A</u>	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was well annular space grouted?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Required Method of Placing Sealing Material			
If yes, to what depth (feet)? <u>X</u>	Depth to Water (feet) <u>X</u>	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
5. Material Used to Fill Well / Drillhole		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
<u>Bentonite</u>		Sealing Materials			
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete			
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
		For Monitoring Wells and Monitoring Well Boreholes Only:			
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
		From (ft.)	To (ft.)	No. Yards Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
		Surface	10		

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>Trendon Ott</u>	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>05-11-21</u>	Date Received	Noted By
Street or Route <u>6635 N Siskiy Pl</u>		Telephone Number <u>(414) 728-7215</u>	Comments	
City <u>Milwaukee</u>	State <u>WI</u>	ZIP Code <u>53204</u>	Signature of Person Doing Work <u>Trendon Ott</u>	Date Signed <u>09/15/21</u>



Facility/Project Name <u>VPI Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-12</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43° 22' 14"</u> Long. <u>-87° 7' 40"</u> or	Wis. Unique Well No. <u>                    </u> DNR Well ID No. <u>                    </u>
Facility ID <u>460041560</u>	St. Plane <u>                    </u> ft. N. <u>                    </u> ft. E. S/C/N	Date Well Installed <u>05/11/2001</u> m m d d y y v v v
Type of Well Well Code <u>MW</u>	Section Location of Waste/Source <u>NE1/4 of SW1/4 of Sec. 35, T. 15 N. R. 23 E</u>	Well Installed By: Name (first, last) and Firm <u>Trenton Ott</u> <u>FEC Inc</u>
Distance from Waste/Source <u>                    </u> ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number <u>X</u>

- A. Protective pipe, top elevation 100.02 ft. MSL
- B. Well casing, top elevation 100.02 ft. MSL
- C. Land surface elevation 100.18 ft. MSL
- D. Surface seal, bottom 13 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

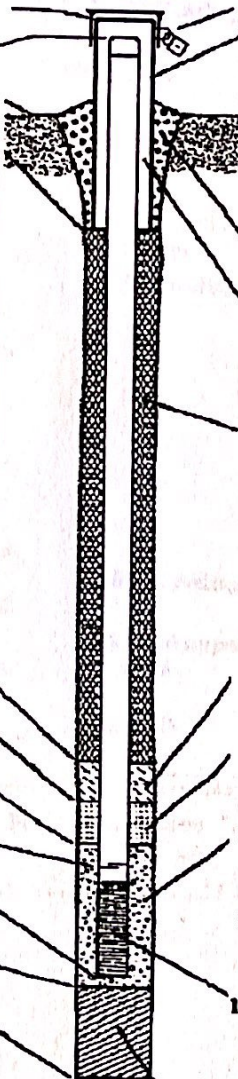
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Probe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe                     

17. Source of water (attach analysis, if required):  
                    



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 1 in.
  - b. Length: 0.5 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe:
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Bentonite  30  
Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b.                      Lbs/gal mud weight... Bentonite-sand slurry  35  
 c.                      Lbs/gal mud weight... Bentonite slurry  31  
 d.                      % Bentonite... Bentonite-cement grout  50  
 e.                      Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c.                      Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint Fine Sand  
 b. Volume added                      ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint Coarse Sand  
 b. Volume added                      ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material:
  - a. Screen type: Factory cut  11  
Continuous slot  01  
Other
  - b. Manufacturer
  - c. Slot size: 0.010 in.
  - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None  14  
Other

- E. Bentonite seal, top 0.5 ft. MSL or                      ft.
- F. Fine sand, top 1 ft. MSL or                      ft.
- G. Filter pack, top 2 ft. MSL or                      ft.
- H. Screen joint, top 3 ft. MSL or                      ft.
- I. Well bottom 13 ft. MSL or                      ft.
- J. Filter pack, bottom 13 ft. MSL or                      ft.
- K. Borehole, bottom 13 ft. MSL or                      ft.
- L. Borehole, diameter 2 in.
- M. O.D. well casing 2 in.
- N. I.D. well casing 1 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm FEC Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.



Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>VPI Property</u>	County Name <u>Sheboygan</u>	Well Name <u>MW-12</u>
Facility License, Permit or Monitoring Number	County Code <u>60</u>	Wis./Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 15 min.
4. Depth of well (from top of well casing) 13.0 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 1.2 gal.
7. Volume of water removed from well 1.2 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development   |
|--|--|---|
| 11. Depth to Water (from top of well casing) | a. <u>                    </u> ft.   | <u>                    </u> ft.   |
| Date   | b. <u>7/1/99</u>   | <u>                    </u>   |
| Time   | c. <u>8:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.  | <u>                    </u> <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.                           |
| 12. Sediment in well bottom                  | <u>0.0</u> inches  | <u>                    </u> inches  |
| 13. Water clarity                            | Clear <input checked="" type="checkbox"/> 10<br>Turbid <input type="checkbox"/> 15<br>(Describe) <u>                    </u> | Clear <input type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) <u>                    </u> |

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0.0 mg/l                      mg/l
15. COD 0.0 mg/l                      mg/l

16. Well developed by: Name (first, last) and Firm

First Name: B Trent Last Name: OTH

Firm: FEC Inc

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jeff Last Name: Udovich

Facility/Firm: VPI Corp

Street: 323 S 9th St

City/State/Zip: Sheboygan, WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Bryan Frisette

Firm: FEC Inc

NOTE: See instructions for more information including a list of county codes and well type codes.



Facility/Project Name <b>UPI Property</b>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <b>MW-13</b>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No.   DNR Well ID No.	
Facility ID <b>460041560</b>		Lat. <b>43° 22' 14"</b> Long. <b>87° 71' 40"</b> or		Date Well Installed <b>05/11/2002</b>	
Type of Well Well Code <b>MW</b>		Section Location of Waste/Source <b>NE1/4 of SW1/4 of Sec. 35, T. 15 N, R. 23 E</b>		Well Installed By: Name (first, last) and Firm <b>Trenton Ott FEC Inc</b>	
Distance from Waste/Source ft. <input type="checkbox"/> Apply <input checked="" type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number <b>X</b>	

- A. Protective pipe, top elevation --- **100.02** ft. MSL
- B. Well casing, top elevation --- **100.02** ft. MSL
- C. Land surface elevation --- **100.31** ft. MSL
- D. Surface seal, bottom --- **13** ft. MSL or **0.5** ft.

12. USCS classification of soil near screen:

GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No

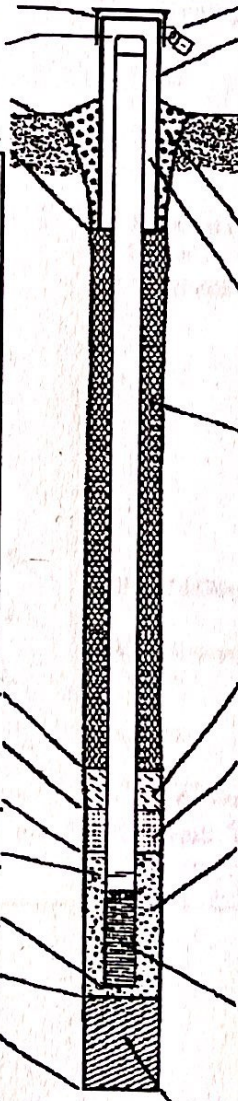
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Probe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

17. Source of water (attach analysis, if required): \_\_\_\_\_



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **2** in.
  - b. Length: **0.5** ft.
  - c. Material:  Steel  04  Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal:  Bentonite 30  Concrete 01  Other
- 4. Material between well casing and protective pipe:  Bentonite 30  Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. Lbs/gal mud weight... Bentonite-sand slurry  35
  - c. Lbs/gal mud weight... Bentonite slurry  31
  - d. % Bentonite... Bentonite-cement grout  50
  - e. Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01 Tremie pumped  02 Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint Fine Sand  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint Coarse Sand  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing:  Flush threaded PVC schedule 40 23  Flush threaded PVC schedule 80 24  Other
- 10. Screen material:
  - a. Screen type:  Factory cut 11  Continuous slot 01  Other
  - b. Manufacturer \_\_\_\_\_
  - c. Slot size: **0.010** in.
  - d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack):  None 14  Other

- E. Bentonite seal, top --- ft. MSL or **0.5** ft.
- F. Fine sand, top --- ft. MSL or **1** ft.
- G. Filter pack, top --- ft. MSL or **2** ft.
- H. Screen joint, top --- ft. MSL or **3** ft.
- I. Well bottom --- ft. MSL or **13** ft.
- J. Filter pack, bottom --- ft. MSL or **13** ft.
- K. Borehole, bottom --- ft. MSL or **13** ft.
- L. Borehole, diameter **2** in.
- M. O.D. well casing **2** in.
- N. I.D. well casing **2** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: \_\_\_\_\_ Firm: **FEC Inc.**

Please complete both forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.



Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>VPI Property</u>	County Name <u>Sheboygan</u>	Well Name <u>MW-13</u>
Facility License, Permit or Monitoring Number	County Code <u>60</u>	Wis./Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other

3. Time spent developing well 15 min.

4. Depth of well (from top of well casing) 13.0 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 1.2 gal.

7. Volume of water removed from well 1.2 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. \_\_\_\_\_ ft. \_\_\_\_\_ ft.

Date b. 1/1/99 1/1/99  
m m d d y y y y m m d d y y y y

Time c. 8:00  a.m. \_\_\_\_\_  a.m.  
 p.m. \_\_\_\_\_  p.m.

12. Sediment in well bottom 0.0 inches \_\_\_\_\_ inches

13. Water clarity Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids 0.0 mg/l \_\_\_\_\_ mg/l

15. COD 0.0 mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: B Trent Last Name: OH

Firm: FEC Inc

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jeff Last Name: Udovich

Facility/Firm: VPI Corp

Street: 313 S 9th St

City/State/Zip: Sheboygan, WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Bryan Frisette

Firm: FEC Inc

NOTE: See instructions for more information including a list of county codes and well type codes.



Facility/Project Name: UPI Property  
 Facility License, Permit or Monitoring No.: 460041560  
 Facility ID: 460041560  
 Type of Well: Well Code MU  
 Distance from Waste/Source: 13 ft. Inf. Stds. Apply   
 Local Grid Location of Well: NE 1/4 of SW 1/4 of Sec. 35, T. 15 N., R. 23 E.  
 Local Grid Origin (estimated) or Well Location: Lat. 43° 22' 14" Long. 87° 7' 40"  
 St. Plane: ft. N. ft. E. S/C/N  
 Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 35, T. 15 N., R. 23 E.  
 Location of Well Relative to Waste/Source:  Downgradient  Upgradient  Sidegradient  Not Known  
 Gov. Lot Number: X  
 Well Name: MW-14  
 Wis. Unique Well No.: 05M412021  
 DNR Well ID No.: Trenton Ott  
 Date Well Installed: 05M412021  
 Well Installed By: Name (first, last) and Firm: FEC Inc

A. Protective pipe, top elevation: 97.91 ft. MSL  
 B. Well casing, top elevation: 97.81 ft. MSL  
 C. Land surface elevation: 99.00 ft. MSL  
 D. Surface seal, bottom: 13 ft. MSL or 0.5 ft.  
 12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock   
 13. Sieve analysis performed?  Yes  No  
 14. Drilling method used: Rotary  50  
Probe Hollow Stem Auger  41  
 Other   
 15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99  
 16. Drilling additives used?  Yes  No  
 Describe: \_\_\_\_\_  
 17. Source of water (attach analysis, if required): \_\_\_\_\_



1. Cap and lock?  Yes  No  
 2. Protective cover pipe:  
 a. Inside diameter: 2 in.  
 b. Length: 0.5 ft.  
 c. Material: Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_  
 3. Surface seal: Bentonite  30  
 Concrete  01  
 Other   
 4. Material between well casing and protective pipe: Bentonite  30  
 Other   
 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. 2 Lbs/gal mud weight... Bentonite-sand slurry  35  
 c. 2 Lbs/gal mud weight... Bentonite slurry  31  
 d. 2 % Bentonite... Bentonite-cement grout  50  
 e. 2 Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08  
 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. Other   
 7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint Fine Sand  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint Coarse Sand  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other   
 10. Screen material:  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.  
 11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top: 0.5 ft. MSL or 0.5 ft.  
 F. Fine sand, top: 1 ft. MSL or 1 ft.  
 G. Filter pack, top: 2 ft. MSL or 2 ft.  
 H. Screen joint, top: 3 ft. MSL or 3 ft.  
 I. Well bottom: 13 ft. MSL or 13 ft.  
 J. Filter pack, bottom: 13 ft. MSL or 13 ft.  
 K. Borehole, bottom: 13 ft. MSL or 13 ft.  
 L. Borehole, diameter: 2 in.  
 M. O.D. well casing: 2 in.  
 N. I.D. well casing: 1 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature: [Signature] Firm: FEC Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.



Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>VPI Property</u>	County Name <u>Sheboygan</u>	Well Name <u>MW-1A</u>
Facility License, Permit or Monitoring Number	County Code <u>60</u>	Wis./Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 15 min.
4. Depth of well (from top of well casing) 13.0 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 1.2 gal.
7. Volume of water removed from well 1.2 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>3.70</u> ft.   | <u>5.27</u> ft.  |
| Date   | b. <u>05/11/2021</u><br>m m d d y y y y  | <u>08/13/2021</u><br>m m d d y y y y   |
| Time   | c. <u>8:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.            | <u>3:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.               |
| 12. Sediment in well bottom                  | <u>0.0</u> inches  | <u>0.0</u> inches  |
| 13. Water clarity                            | Clear <input checked="" type="checkbox"/> 10<br>Turbid <input type="checkbox"/> 15<br>(Describe) | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids 0.0 mg/l 0.0 mg/l
15. COD 0.0 mg/l 0.0 mg/l
16. Well developed by: Name (first, last) and Firm  
First Name: B Trent Last Name: OTT  
Firm: FEC Inc

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jeff Last Name: Udovich

Facility/Firm: VPI Corp

Street: 313 S 9th St

City/State/Zip: Sheboygan, WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Bryan Fricseke

Print Name: Bryan Fricseke

Firm: FEC Inc

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX E  
METHODS OF INVESTIGATION

## **SOIL SAMPLING PROCEDURES**

The actual procedures utilized to collect soil samples at the subject site may vary slightly from FEC's standard procedures, described below, which are in general accordance with applicable industry standards (i.e., standards of the American Society for Testing and Materials {ASTM}) and Wisconsin Department of Natural Resources (DNR) regulations and guidelines).

### **Split-Barrel Sampling Procedure**

The split-barrel sampling procedure as defined in ASTM D-1586 (84) consists of driving a 2-inch outside diameter (O.D.) thick-walled, hollow sampler into the soil 18-inches with a 140-pound hammer falling 30 inches. The value of Standard Penetration Resistance (N) is obtained by adding the number of blows of the hammer during the final 1 foot. The N value provides a qualitative indication of the relative density of granular soils (silts, sands, and gravel). The samples collected by this procedure provide a general indication of subsurface conditions and general stratigraphic changes; and can be placed into containers for future classification, screening, and/or laboratory analysis.

The downhole drilling equipment was decontaminated prior to conducting the fieldwork to avoid the introduction of contaminants. The decontamination procedure consisted of cleaning the augers and rods with a hot water pressure washer. The driller hand washed the split-barrel samplers prior to each use to avoid cross-contamination. The samplers were scrubbed in an Alconox detergent and municipal water solution, and double-rinsed with municipal water in two separate containers between each use.

### **Soil Probe Sampling Procedure**

The soil probe sampling procedure consists of advancing a 2-inch outside diameter (O.D.), thick-walled, hollow sampler that contains a rigid plastic sheath. The probe sampler is hydraulically advanced into the soil at 4 to 5-foot vertical intervals. As the sampler is advanced, soil is collected in the plastic sheath. The samples collected by this procedure provide a general indication of subsurface conditions and general stratigraphic changes; and can be placed into containers for classification, screening, and/or laboratory analysis.

The downhole soil probe equipment is decontaminated prior to conducting the fieldwork and between each probe advancement to avoid the introduction of contaminants or cross-contamination between locations. The decontamination

procedure consisted of washing the downhole equipment in an Alconox detergent and municipal water solution and double rinsing with municipal water in two separate containers between each use.

## **PID SCREENING PROCEDURE**

To evaluate soils for the presence of volatile organic vapors commonly emitted by volatile organic compounds (VOCs), soil samples are screened with a BW Technologies Gas Alert Micro 5 photoionization detector (PID) equipped with at least a 10.6 electron volt (eV) lamp calibrated to isobutylene. The PID provides a qualitative measure of volatile organic vapors with ionization potentials less than 10.6 eV, which include those present in the more volatile petroleum fuels and solvents. PID readings are measured in instrument units (iu).

A representative portion of soil is placed into an 8-ounce glass jar or Ziploc bag until approximately half full. The sample is allowed to warm prior to screening. Following agitation of the container, the container is slightly opened, the PID tip inserted into the headspace and the highest reading on the meter recorded.

To evaluate the significance of PID readings, FEC generally considers PID readings greater than 10 iu as an indication of potential contamination. It should be noted that lower readings do not necessarily indicate the absence of contamination, because nonvolatile contaminants may be present. PID readings are not as meaningful in such cases. In addition, the PID does not identify the types of chemicals present. The screening results should be evaluated by considering the contaminants present, the limitations of the PID meter, and physical observations (soil staining or odors).

### **Soil Sample Collection Procedure**

Selected samples are chosen for laboratory submittal to quantify the degree of contamination based on the PID screening results and the depths from which the samples were collected. In general, the sample from each probehole/boring that exhibited the highest PID readings and was collected closest to the estimated water table depth, and/or that was collected from a deeper interval correlating to the vertical extent of contamination is submitted for laboratory analyses.

Selected soil samples are collected in the appropriate laboratory supplied containers depending on which laboratory parameters are to be analyzed. The soil samples are stored on ice packs in a cooler and submitted to the laboratory within allowable holding times. Chain of Custody procedures are adhered to throughout sample collection, handling, and laboratory submittal as established by the DNR. In addition to the samples collected, a trip blank may be submitted to the laboratory for quality control analyses.

## **GROUNDWATER SAMPLING PROCEDURES**

The actual procedures utilized to sample groundwater at the subject site may vary slightly from FEC's standard procedures, described below, which are in general accordance with Wisconsin Department of Natural Resources (DNR) regulations and guidelines.

### **Groundwater Monitoring Well Construction Procedure**

Groundwater monitoring wells are constructed in general accordance with DNR requirements as presented in Wisconsin Administrative Code Chapter NR 141.

Permanent monitoring wells consist of a 10-foot length of 2.0-inch inside diameter (I.D.), 2.38-inch outside diameter (O.D.), machine-slotted (0.010 inch) polyvinyl chloride (PVC) screen with a threaded-joint solid PVC riser pipe extending from the screened portion of the well to the ground surface. The PVC riser pipe is cut off slightly below the ground surface and fitted with a locking cap for security. The annulus between each PVC pipe and outer wall of the borehole is backfilled with a commercially packaged coarse sand (to serve as a filter pack) from the base of the borehole to an elevation of approximately 1/2 foot above the screened portion of the well. A 1/2-foot layer of fine sand is placed above each filter pack, and a bentonite annular space seal is placed above the fine sand to a depth of 1 foot below the ground surface. The driller embeds a metal protector cover over each well in a concrete surface seal for security. Each protector cover consists of a flush mount, watertight, steel unit 9 inches in diameter and 12 inches in length.

Temporary monitoring wells consist of a 10-foot length of 1.0-inch inside diameter (I.D.), 1.38-inch outside diameter (O.D.), machine-slotted (0.010 inch) polyvinyl chloride (PVC) screen with a threaded-joint solid PVC riser pipe extending from the screened portion of the well to the ground surface. The PVC riser pipe is cut off slightly below the ground surface and fitted with a cap. The annulus between each PVC pipe and outer wall of the probehole is backfilled with a commercially packaged sand filter pack from the base of the probehole to an elevation of approximately 1/2 foot above the screened portion of the well. A 1/2-foot layer of fine sand is placed above each filter pack, and a bentonite annular space seal is placed above the fine sand to a depth of 1 foot below the ground surface. A protective cover may be used, and/or the temporary well is abandoned following sampling.

### **Well Development and Purging Procedures**

Wisconsin Administrative Code Chapter NR 141.21 requires that well development consist of the removal (purging) of water to produce sediment-free water from wells. In accordance with guidance documents, wells that are purged dry are allowed to recover prior to sample collection.

Monitoring wells are developed following construction using low flow techniques with a disposable polyethylene bailer or disposable tubing and a peristaltic pump. Purged water is collected in 5-gallon buckets and properly disposed of.

### **Groundwater Sample Collection Procedure**

Groundwater monitoring wells are allowed to recover following development/purging and prior to sample collection. To reduce the potential for cross-contamination, the wells suspected to be the least contaminated are sampled first during each sampling round.

Following well purging with disposable tubing and a peristaltic pump or a disposable polyethylene bailer, each sample is transferred to the appropriate laboratory supplied containers depending on which laboratory parameters are to be analyzed.

In addition to the samples collected from the monitoring wells, a trip blank may be submitted to the laboratory for quality control analyses for each sampling round. The trip blank is a laboratory-supplied water sample that remains with the groundwater samples. Analysis of a trip blank can identify contamination that may occur because of outside influences (e.g., laboratory contamination).

The water samples are stored on ice packs in a cooler and submitted to the laboratory within allowable holding times.



APPENDIX F  
LABORATORY REPORTS

# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

TRENTON OTT  
FEC, INC.  
6635 N. SIDNEY PLACE  
MILWAUKEE, WI 53209

Report Date 02-Sep-21

Project Name VPI  
Project # 200208

Invoice # E39817

Lab Code 5039817A  
Sample ID MW-6  
Sample Matrix Water  
Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	1.88 "J"	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	2
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817A  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	3
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	3
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	2
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	2
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	2
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	2 3
2-Fluorobiphenyl-surrogate	43	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	33	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	51	REC %			1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208

**Invoice #** E39817

**Lab Code** 5039817A  
**Sample ID** MW-6  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Phenol-d6-surrogate	17	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	51	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	55	REC %			1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817B  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	4.7 "J"	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	1.42 "J"	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817B  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	53	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	26	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	62	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	9.2	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	59	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	70	REC %			1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	1.68 "J"	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	1.85 "J"	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	73	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	25	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	67	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	10.9	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	81	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	81	REC %			1	625	8/19/2021	9/1/2021	MJR	1



Project Name VPI  
Project # 200208

Invoice # E39817

Lab Code 5039817D  
Sample ID MW-14  
Sample Matrix Water  
Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	1.65 "J"	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208

**Invoice #** E39817

**Lab Code** 5039817D  
**Sample ID** MW-14  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	52	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	17	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	67	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	7.2	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	63	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	62	REC %			1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817E  
**Sample ID** MW-9  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	1.76 "J"	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817E  
 Sample ID MW-9  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	44	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	19	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	52	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	8.1	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	55	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	57	REC %			1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817F  
**Sample ID** MW-5  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	10	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208

**Invoice #** E39817

**Lab Code** 5039817F  
**Sample ID** MW-5  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	60	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	26	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	68	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	10.1	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	82	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	61	REC %			1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
Project # 200208

Invoice # E39817

Lab Code 5039817G  
Sample ID MW-1  
Sample Matrix Water  
Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	< 1.3	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208

**Invoice #** E39817

**Lab Code** 5039817G  
**Sample ID** MW-1  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	58	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	22	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	48	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	10.1	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	61	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	62	REC %			1	625	8/19/2021	9/1/2021	MJR	1



Project Name VPI  
Project # 200208

Invoice # E39817

Lab Code 5039817H  
Sample ID MW-8  
Sample Matrix Water  
Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 0.7	ug/l	0.7	2.71	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 0.49	ug/l	0.49	1.89	1	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 0.55	ug/l	0.55	2.12	1	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 0.47	ug/l	0.47	1.81	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 0.45	ug/l	0.45	1.72	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 0.75	ug/l	0.75	2.86	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 0.83	ug/l	0.83	3.17	1	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 0.65	ug/l	0.65	2.5	1	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 0.76	ug/l	0.76	2.93	1	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1.33	ug/l	1.33	5.13	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1.13	ug/l	1.13	4.36	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 0.91	ug/l	0.91	3.51	1	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	< 1.3	ug/l	1.3	5.01	1	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 0.64	ug/l	0.64	2.45	1	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 0.59	ug/l	0.59	2.26	1	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 0.75	ug/l	0.75	2.87	1	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 0.48	ug/l	0.48	1.83	1	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 0.97	ug/l	0.97	3.73	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 0.57	ug/l	0.57	2.2	1	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 0.89	ug/l	0.89	3.41	1	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 0.58	ug/l	0.58	2.22	1	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 0.54	ug/l	0.54	2.06	1	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1.43	ug/l	1.43	5.49	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1.03	ug/l	1.03	3.96	1	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1.52	ug/l	1.52	5.85	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 0.78	ug/l	0.78	2.99	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 0.93	ug/l	0.93	3.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2.71	ug/l	2.71	10.42	1	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 0.69	ug/l	0.69	2.66	1	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 0.79	ug/l	0.79	3.02	1	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1.24	ug/l	1.24	4.77	1	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 0.69	ug/l	0.69	2.64	1	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 0.57	ug/l	0.57	2.17	1	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 0.48	ug/l	0.48	1.84	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 0.68	ug/l	0.68	2.61	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.78	1	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1.38	ug/l	1.38	5.32	1	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817H  
 Sample ID MW-8  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 0.94	ug/l	0.94	3.63	1	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.84	ug/l	0.84	3.21	1	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 0.73	ug/l	0.73	2.79	1	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 0.55	ug/l	0.55	2.1	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 0.68	ug/l	0.68	2.6	1	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 0.52	ug/l	0.52	1.99	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 0.89	ug/l	0.89	3.43	1	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1.03	ug/l	1.03	3.94	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1.45	ug/l	1.45	5.57	1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 0.91	ug/l	0.91	3.49	1	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1.04	ug/l	1.04	3.98	1	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6.81	ug/l	6.81	26.19	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 0.82	ug/l	0.82	3.14	1	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 0.76	ug/l	0.76	2.92	1	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3.61	ug/l	3.61	13.87	1	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 0.57	ug/l	0.57	2.19	1	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 0.69	ug/l	0.69	2.67	1	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 0.53	ug/l	0.53	2.03	1	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 0.95	ug/l	0.95	3.67	1	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.33	ug/l	1.33	5.11	1	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 0.61	ug/l	0.61	2.34	1	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1.45	ug/l	1.45	5.59	1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1.28	ug/l	1.28	4.93	1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	70	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2-Fluorophenol-surrogate	32	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene-d5-surrogate	85	REC %			1	625	8/19/2021	9/1/2021	MJR	1
Phenol-d6-surrogate	13.4	REC %			1	625	8/19/2021	9/1/2021	MJR	1
p-Terphenyl-d14-surrogate	77	REC %			1	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Tribromophenol-surrogate	84	REC %			1	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817I  
**Sample ID** MW-12  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 700	ug/l	700	2710	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 490	ug/l	490	1890	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 550	ug/l	550	2120	1000	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 470	ug/l	470	1810	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 450	ug/l	450	1720	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 750	ug/l	750	2860	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 830	ug/l	830	3170	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 650	ug/l	650	2500	1000	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 760	ug/l	760	2930	1000	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1330	ug/l	1330	5130	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1130	ug/l	1130	4360	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 910	ug/l	910	3510	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	2470 "J"	ug/l	1300	5010	1000	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 640	ug/l	640	2450	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 590	ug/l	590	2260	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 750	ug/l	750	2870	1000	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 480	ug/l	480	1830	1000	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 380	ug/l	380	1220	1000	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 970	ug/l	970	3730	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 570	ug/l	570	2200	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 890	ug/l	890	3410	1000	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1430	ug/l	1430	5490	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1030	ug/l	1030	3960	1000	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1520	ug/l	1520	5850	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 930	ug/l	930	3590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2710	ug/l	2710	10420	1000	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 690	ug/l	690	2660	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 790	ug/l	790	3020	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1240	ug/l	1240	4770	1000	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 690	ug/l	690	2640	1000	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 480	ug/l	480	1840	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 680	ug/l	680	2610	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 720	ug/l	720	2780	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1380	ug/l	1380	5320	1000	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817I  
**Sample ID** MW-12  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 940	ug/l	940	3630	1000	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 840	ug/l	840	3210	1000	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 730	ug/l	730	2790	1000	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 550	ug/l	550	2100	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 680	ug/l	680	2600	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 320	ug/l	320	1020	1000	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 890	ug/l	890	3430	1000	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1030	ug/l	1030	3940	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1450	ug/l	1450	5570	1000	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 910	ug/l	910	3490	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1040	ug/l	1040	3980	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6810	ug/l	6810	26190	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 820	ug/l	820	3140	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3610	ug/l	3610	13870	1000	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 570	ug/l	570	2190	1000	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 690	ug/l	690	2670	1000	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 530	ug/l	530	2030	1000	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 950	ug/l	950	3670	1000	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1330	ug/l	1330	5110	1000	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 610	ug/l	610	2340	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1450	ug/l	1450	5590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1280	ug/l	1280	4930	1000	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2-Fluorophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Nitrobenzene-d5-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Phenol-d6-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
p-Terphenyl-d14-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2,4,6-Tribromophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817J  
**Sample ID** MW-13  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 700	ug/l	700	2710	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 490	ug/l	490	1890	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 550	ug/l	550	2120	1000	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 470	ug/l	470	1810	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 450	ug/l	450	1720	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 750	ug/l	750	2860	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 830	ug/l	830	3170	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 650	ug/l	650	2500	1000	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 760	ug/l	760	2930	1000	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1330	ug/l	1330	5130	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1130	ug/l	1130	4360	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 910	ug/l	910	3510	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	2230 "J"	ug/l	1300	5010	1000	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 640	ug/l	640	2450	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 590	ug/l	590	2260	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 750	ug/l	750	2870	1000	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 480	ug/l	480	1830	1000	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 380	ug/l	380	1220	1000	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 970	ug/l	970	3730	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 570	ug/l	570	2200	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 890	ug/l	890	3410	1000	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1430	ug/l	1430	5490	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1030	ug/l	1030	3960	1000	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1520	ug/l	1520	5850	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 930	ug/l	930	3590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2710	ug/l	2710	10420	1000	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 690	ug/l	690	2660	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 790	ug/l	790	3020	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1240	ug/l	1240	4770	1000	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 690	ug/l	690	2640	1000	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 480	ug/l	480	1840	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 680	ug/l	680	2610	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 720	ug/l	720	2780	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1380	ug/l	1380	5320	1000	625	8/19/2021	9/1/2021	MJR	1

**Project Name** VPI  
**Project #** 200208  
**Lab Code** 5039817J  
**Sample ID** MW-13  
**Sample Matrix** Water  
**Sample Date** 8/13/2021

**Invoice #** E39817

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 940	ug/l	940	3630	1000	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 840	ug/l	840	3210	1000	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 730	ug/l	730	2790	1000	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 550	ug/l	550	2100	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 680	ug/l	680	2600	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 320	ug/l	320	1020	1000	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 890	ug/l	890	3430	1000	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1030	ug/l	1030	3940	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1450	ug/l	1450	5570	1000	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 910	ug/l	910	3490	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1040	ug/l	1040	3980	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6810	ug/l	6810	26190	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 820	ug/l	820	3140	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3610	ug/l	3610	13870	1000	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 570	ug/l	570	2190	1000	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 690	ug/l	690	2670	1000	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 530	ug/l	530	2030	1000	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 950	ug/l	950	3670	1000	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1330	ug/l	1330	5110	1000	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 610	ug/l	610	2340	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1450	ug/l	1450	5590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1280	ug/l	1280	4930	1000	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2-Fluorophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Nitrobenzene-d5-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Phenol-d6-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
p-Terphenyl-d14-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2,4,6-Tribromophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817K  
 Sample ID MW-11  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Semi Volatiles										
Acetophenone	< 700	ug/l	700	2710	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthene	< 490	ug/l	490	1890	1000	625	8/19/2021	9/1/2021	MJR	1
Acenaphthylene	< 550	ug/l	550	2120	1000	625	8/19/2021	9/1/2021	MJR	1
Anthracene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)anthracene	< 470	ug/l	470	1810	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(a)pyrene	< 450	ug/l	450	1720	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(b)fluoranthene	< 750	ug/l	750	2860	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(g,h,i)perylene	< 830	ug/l	830	3170	1000	625	8/19/2021	9/1/2021	MJR	1
Benzo(k)fluoranthene	< 650	ug/l	650	2500	1000	625	8/19/2021	9/1/2021	MJR	1
Benzyl Alcohol	< 760	ug/l	760	2930	1000	625	8/19/2021	9/1/2021	MJR	1
Butyl benzyl phthalate	< 1330	ug/l	1330	5130	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethoxy)methane	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroethyl)ether	< 1130	ug/l	1130	4360	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-chloroisopropyl)ether	< 910	ug/l	910	3510	1000	625	8/19/2021	9/1/2021	MJR	1
Bis(2-ethylhexyl)phthalate	2930 "J"	ug/l	1300	5010	1000	625	8/19/2021	9/1/2021	MJR	1
4-Bromophenylphenyl ether	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chloro-3-methylphenol	< 640	ug/l	640	2450	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chloronaphthalene	< 590	ug/l	590	2260	1000	625	8/19/2021	9/1/2021	MJR	1
2-Chlorophenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
4-Chlorophenylphenyl ether	< 750	ug/l	750	2870	1000	625	8/19/2021	9/1/2021	MJR	1
Chrysene	< 480	ug/l	480	1830	1000	625	8/19/2021	9/1/2021	MJR	1
o-Cresol	< 380	ug/l	380	1220	1000	625	8/19/2021	9/1/2021	MJR	1
m & p-Cresol	< 970	ug/l	970	3730	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzofuran	< 570	ug/l	570	2200	1000	625	8/19/2021	9/1/2021	MJR	1
Dibenzo(a,h)anthracene	< 890	ug/l	890	3410	1000	625	8/19/2021	9/1/2021	MJR	1
1,4-Dichlorobenzene	< 580	ug/l	580	2220	1000	625	8/19/2021	9/1/2021	MJR	1
1,3-Dichlorobenzene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
1,2-Dichlorobenzene	< 540	ug/l	540	2060	1000	625	8/19/2021	9/1/2021	MJR	1
3,3'-Dichlorobenzidine	< 1430	ug/l	1430	5490	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dichlorophenol	< 1030	ug/l	1030	3960	1000	625	8/19/2021	9/1/2021	MJR	1
Diethyl phthalate	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Dimethyl phthalate	< 1520	ug/l	1520	5850	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dimethylphenol	< 780	ug/l	780	2990	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-butyl phthalate	< 930	ug/l	930	3590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrophenol	< 2710	ug/l	2710	10420	1000	625	8/19/2021	9/1/2021	MJR	1
2,6-Dinitrotoluene	< 690	ug/l	690	2660	1000	625	8/19/2021	9/1/2021	MJR	1
2,4-Dinitrotoluene	< 790	ug/l	790	3020	1000	625	8/19/2021	9/1/2021	MJR	1
Di-n-octyl phthalate	< 1240	ug/l	1240	4770	1000	625	8/19/2021	9/1/2021	MJR	1
Diphenylamine	< 690	ug/l	690	2640	1000	625	8/19/2021	9/1/2021	MJR	1
Fluoranthene	< 570	ug/l	570	2170	1000	625	8/19/2021	9/1/2021	MJR	1
Fluorene	< 480	ug/l	480	1840	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobenzene	< 680	ug/l	680	2610	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorobutadiene	< 720	ug/l	720	2780	1000	625	8/19/2021	9/1/2021	MJR	1
Hexachlorocyclopentadiene	< 1380	ug/l	1380	5320	1000	625	8/19/2021	9/1/2021	MJR	1

Project Name VPI  
 Project # 200208

Invoice # E39817

Lab Code 5039817K  
 Sample ID MW-11  
 Sample Matrix Water  
 Sample Date 8/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachloroethane	< 940	ug/l	940	3630	1000	625	8/19/2021	9/1/2021	MJR	1
Indeno(1,2,3-cd)pyrene	< 840	ug/l	840	3210	1000	625	8/19/2021	9/1/2021	MJR	1
Isophorone	< 730	ug/l	730	2790	1000	625	8/19/2021	9/1/2021	MJR	1
1-Methyl naphthalene	< 550	ug/l	550	2100	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl naphthalene	< 680	ug/l	680	2600	1000	625	8/19/2021	9/1/2021	MJR	1
2-Methyl-4,6-dinitrophenol	< 320	ug/l	320	1020	1000	625	8/19/2021	9/1/2021	MJR	1
Naphthalene	< 520	ug/l	520	1990	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitroaniline	< 890	ug/l	890	3430	1000	625	8/19/2021	9/1/2021	MJR	1
3-Nitroaniline	< 1030	ug/l	1030	3940	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitroaniline	< 1450	ug/l	1450	5570	1000	625	8/19/2021	9/1/2021	MJR	1
Nitrobenzene	< 910	ug/l	910	3490	1000	625	8/19/2021	9/1/2021	MJR	1
2-Nitrophenol	< 1040	ug/l	1040	3980	1000	625	8/19/2021	9/1/2021	MJR	1
4-Nitrophenol	< 6810	ug/l	6810	26190	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodimethylamine	< 820	ug/l	820	3140	1000	625	8/19/2021	9/1/2021	MJR	1
n-Nitrosodi-n-propylamine	< 760	ug/l	760	2920	1000	625	8/19/2021	9/1/2021	MJR	1
Pentachlorophenol (PCP)	< 3610	ug/l	3610	13870	1000	625	8/19/2021	9/1/2021	MJR	1
Phenanthrene	< 570	ug/l	570	2190	1000	625	8/19/2021	9/1/2021	MJR	1
Phenol	< 690	ug/l	690	2670	1000	625	8/19/2021	9/1/2021	MJR	1
Pyrene	< 530	ug/l	530	2030	1000	625	8/19/2021	9/1/2021	MJR	1
Pyridine	< 950	ug/l	950	3670	1000	625	8/19/2021	9/1/2021	MJR	1
2,3,4,6-Tetrachlorophenol	< 1330	ug/l	1330	5110	1000	625	8/19/2021	9/1/2021	MJR	1
1,2,4-Trichlorobenzene	< 610	ug/l	610	2340	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,5-Trichlorophenol	< 1450	ug/l	1450	5590	1000	625	8/19/2021	9/1/2021	MJR	1
2,4,6-Trichlorophenol	< 1280	ug/l	1280	4930	1000	625	8/19/2021	9/1/2021	MJR	1
2-Fluorobiphenyl-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2-Fluorophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Nitrobenzene-d5-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
Phenol-d6-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
p-Terphenyl-d14-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72
2,4,6-Tribromophenol-surrogate	1	REC %			1000	625	8/19/2021	9/1/2021	MJR	1 72



"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

***Code***      ***Comment***

- 1            Laboratory QC within limits.
- 2            Relative percent difference failed for laboratory spiked samples.
- 3            The matrix spike not within established limits.
- 72          Surrogate recoveries not determined due to high sample dilution.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**



A handwritten signature in blue ink, appearing to read "Michael J. [unreadable]", is written over a horizontal line.

## Environmental Lab, Inc.

www.synergy-lab.net  
 1990 Prospect Ct. • Appleton, WI 54914  
 920-830-2455 • mrsynergy@wi.twcbc.com

### Sample Handling Request

Rush Analysis Date Required: \_\_\_\_\_  
 (Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # \_\_\_\_\_  
 QUOTE # : \_\_\_\_\_  
 Project #: 200208  
 Sampler: (signature) Trenton J. Ott

Project (Name / Location): VPI

Reports To: Trenton Ott  
 Company: FEC, Inc  
 Address: 6635 N. Sidney Place  
 City State Zip: Milwaukee, WI 53209  
 Phone: (414) 228-9815  
 Email: tott@fecinc.us

Invoice To: Same  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City State Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

**Analysis Requested** **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	SNOC	PID/FID	
		Date	Time																						
<u>5039817A</u>	<u>MW-6</u>	<u>8/13/21</u>	<u>PM</u>	<u>N</u>	<u>1</u>	<u>GW</u>	<u>None</u>																		
<u>B</u>	<u>MW-4</u>																								
<u>C</u>	<u>MW-7</u>																								
<u>D</u>	<u>MW-14</u>																								
<u>E</u>	<u>MW-9</u>																								
<u>F</u>	<u>MW-5</u>																								
<u>G</u>	<u>MW-1</u>																								
<u>H</u>	<u>MW-8</u>																								
<u>I</u>	<u>MW-12</u>																								
<u>J</u>	<u>MW-13</u>																								
<u>K</u>	<u>MW-11</u>																								

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

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

Relinquished By: (sign) Trenton J. Ott Time 9:30 AM Date 8/16/21  
 Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Received in Laboratory By: Chad Roun Time: 8:00 Date: 8/17/21