



## MEMORANDUM

**TO:** Linda Stanek  
**FROM:** Brian Schneider  
**DATE:** November 23, 2021  
**SUBJECT:** Groundwater Technical Assistance Summary, Spic and Span, 4301 North Richards Street, Milwaukee, WI

I am writing to request a technical assistance review regarding evaluation of the potential presence and condition of groundwater at the referenced site. The reasons we do not recommend further evaluation are summarized in this memo.

1. Source Description and Soil Contamination
  - a. The source of the contamination was limited use dry cleaning equipment that was removed. The area of PCE use is shown on the attached Figure 1B. PCE was not used outside this area. PCE use began in 1985 and continued until 1999 and all of the equipment was removed except for one small 35 pound machine that was used for occasional small jobs until 2018. There is no record of a spill of PCE.
  - b. The aerial extent of soil contamination is defined. Within an area of approximately 150' x 120' centered around the source, forty-one (41) soil samples and fourteen (14) vapor samples were collected for laboratory analyses along with many more samples screened for VOCs. Based on this, the horizontal extent of contamination is limited to an area that is approximately 125' x 100'. The area of soil contamination is shown in attached Figures 2A, 3A and 4A.
  - c. Thirteen soil samples and dozens of field screening samples from 13 separate soil borings show the depth of contamination is limited to 15' to 22.5' below ground surface (bgs). The soil sampling data with depth is summarized on the attached Table 1.
  - d. The soils at depth in the borings are clays that serve to limit any potential migration (see attached soil boring logs).
2. Observation of Water
  - a. In the area of our investigation, 13 borings were completed to depths between 20' and 25' bgs. A moist to wet seam was encountered in three of the borings - SB-9, SB-14 at a depth of approximately 21' bgs, and in SB-21 at depths of 18' and 21' - but the underlying soils were not wet. The temporary well placed in SB-9 was checked after installation and it was dry. The well was checked again on 8/17/20 and was still dry. The well was checked

again on 3/9/21 during installation of additional borings and was dry. The well casing was pulled as no water was present and the borehole was abandoned. A monitoring well was also installed in SB-21 near the source area. The well was installed on 9/13/21. It was checked a few days after installation and was dry. A week later, on 9/20/21 GRAEF tried to develop the well, the water level was at 19.63 with 2.40 feet of water in the well. The well bailed dry after 1 ½ gallons of water was removed, after waiting over 30 minutes the well was bailed dry again after removal of ¼ gallon. On 9/24/21 GRAEF returned to observe water levels and potentially sample the well. The starting water level was at 19.68 feet with 2.35 feet of water in the well. The well bailed dry after 1.25 gallons. The well was allowed to recharge for ½ hour and the well was sampled. The well was given 11 days to generate water before it was sampled. It is unknown if the perched water is coming from the sand seam at 18-19 feet or at the 22 foot level. Based on the observations, the seams are indicative of perched conditions and are not interconnected. There is limited risk for migration of contaminants in the water vertically or horizontally.

- b. With the exception of vinyl chloride, PCE and its breakdown products were not detected above the WDNR Enforcement Standards in MW-1/SB-21. The water sample analytical results are attached.
- c. Organic solvents will sorb onto particles of organic carbon that are present in minor amounts in the soil matrix. Retardation rates of PCE and its breakdown products are variable but typically range from 2 to 8 times slower than the advective groundwater velocity, limiting the potential risk of contaminant migration and the extent of impacts.

### 3. Water Use

- a. There are no wells in the area the area of the site and water in the area is provided by the City of Milwaukee from Lake Michigan.
- b. If someone were to install a shallow well, in addition to bacterial and other issues, it could not produce nearly enough water to serve the needs of a single individual.
- c. Given that there are no sensitive receptors in the immediate area, there is also no risk to the environment.

#### 4. Summary

To summarize, we do not recommend further groundwater investigation for the following reasons:

- The original source existed for a limited time and was removed.
- The contaminated soils are limited in area and depth and the contaminants will remain confined by the clay soils, thereby limiting any potential contribution to groundwater contamination.
- Although water bearing seams were encountered in three of the 21 borings, the seams do not produce significant water and do not appear to be interconnected.
- The contamination in the water sample from MW-1 was limited in magnitude, and potential migration would be chemically and physically limited in extent.
- There is not a risk to human health given that water in the area is provided from Lake Michigan and it would be impossible to generate potable water from the perched seams encountered on the site.
- There are no sensitive receptors in the immediate area, and therefore no risk to the environment.

Based on this, it is our opinion that the conditions observed in the well do not present a significant risk to human health and the quality of the environment. Further investigative effort would incur significant effort and costs with no foreseeable benefit.

Attachments: Form 4400-237  
Figure 1B  
Figure 2A  
Figure 3A  
Figure 4A  
Soil Sample Analytical Results  
Boring Logs  
Groundwater Sample Analytical Results

**BWS:bws**

X:\ML\2019\20190153-02\Design\Reports\Phase III Information\Groundwater Technical Assistance\Groundwater Technical Assistance Memo 11-23-21.docx

cc: File

**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 12/18)

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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 Miller	First Robert	MI A	Organization/ Business Name Spic And Span Former
Mailing Address 4301 North Richards Street		City Milwaukee	State WI
		ZIP Code 53214	
Phone # (include area code) (414) 964-5050	Fax # (include area code) (414) 964-5042	Email rmiller@spicandspan.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 mortgage 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 Miller	First Robert	MI A	Organization/ Business Name Spic And Span Former
Mailing Address 4301 North Richards Street		City Milwaukee	State WI
		ZIP Code 53214	
Phone # (include area code) (414) 964-5050	Fax # (include area code) (414) 964-5042	Email rmiller@spicandspan.com	

### Environmental Consultant (if applicable)

Contact Last Name Schneider	First Brian	MI W	Organization/ Business Name GRAEF
Mailing Address 275 West Wisconsin Avenue, Suite 300		City Milwaukee	State WI
		ZIP Code 53203	
Phone # (include area code) (414) 259-1500	Fax # (include area code) (414) 259-0037	Email brian.schneider@graef-usa.com	

## Section 2. Property Information

Property Name Spic & Span	FID No. (if known) 241040690
BRRTS No. (if known) 02-41-585636	Parcel Identification Number 2331180
Street Address 4301 West Richards Street	City Milwaukee
	State WI
	ZIP Code 53212
County Milwaukee	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Milwaukee
	Property is composed of: <input type="radio"/> Single tax parcel <input checked="" type="radio"/> Multiple tax parcels
	Property Size Acres 2

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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: 12/15/2021

Reason: Future property sale.

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).

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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 4. Request for Liability Clarification**

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

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

❖ **Include a fee of \$700.**

Provide the following documentation:

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

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

❖ **Include a fee of \$700.**

Provide the following documentation:

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

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

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

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

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



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## Section 4. Request for Liability Clarification (cont.)

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

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

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

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

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

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

❖ **Include a fee of \$700.**

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

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

❖ **Include a fee of \$700.**

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

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR. To summarize, we do not recommend further groundwater investigation for the following reasons:

- The original source existed for a limited time and was removed.
- The contaminated soils are limited in area and depth and the contaminants will remain confined by the clay soils, thereby limiting any potential contribution to groundwater contamination.
- Although water bearing seams were encountered in three of the 21 borings, the seams do not produce significant water and do not appear to be interconnected.
- The contamination in the water sample from MW-1 was limited in magnitude, and any migration would be chemically and physically limited in extent.
- There is not a risk to human health given that water in the area is provided from Lake Michigan and it would be impossible to generate potable water from the perched seams encountered on the site.
- There are no sensitive receptors in the immediate area, and therefore no risk to the environment.

## 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/lgu.html#tabx4](http://dnr.wi.gov/topic/Brownfields/lgu.html#tabx4).

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

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

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

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

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

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

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

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

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



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**Section 6. Other Information Submitted**

Identify all materials that are included with this request.

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

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

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

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

- Groundwater
- Soil
- Sediment
- Other medium - Describe: Figure 1A, 2A, 3A, 4A & Tables

Date of Collection: 09/24/2021

- 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: \_\_\_\_\_

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

- Yes - Date (if known): \_\_\_\_\_
- No

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

**Section 7. Certification by the Person who completed this form**

- I am the person submitting this request (requester)
- I prepared this request for: Robert A. Miller  
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.

Edna G. Dish  
Signature

\_\_\_\_\_  
Date Signed

Senior Environmental Technician IV  
Title

(414) 259-1500  
Telephone Number (include area code)

**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>.

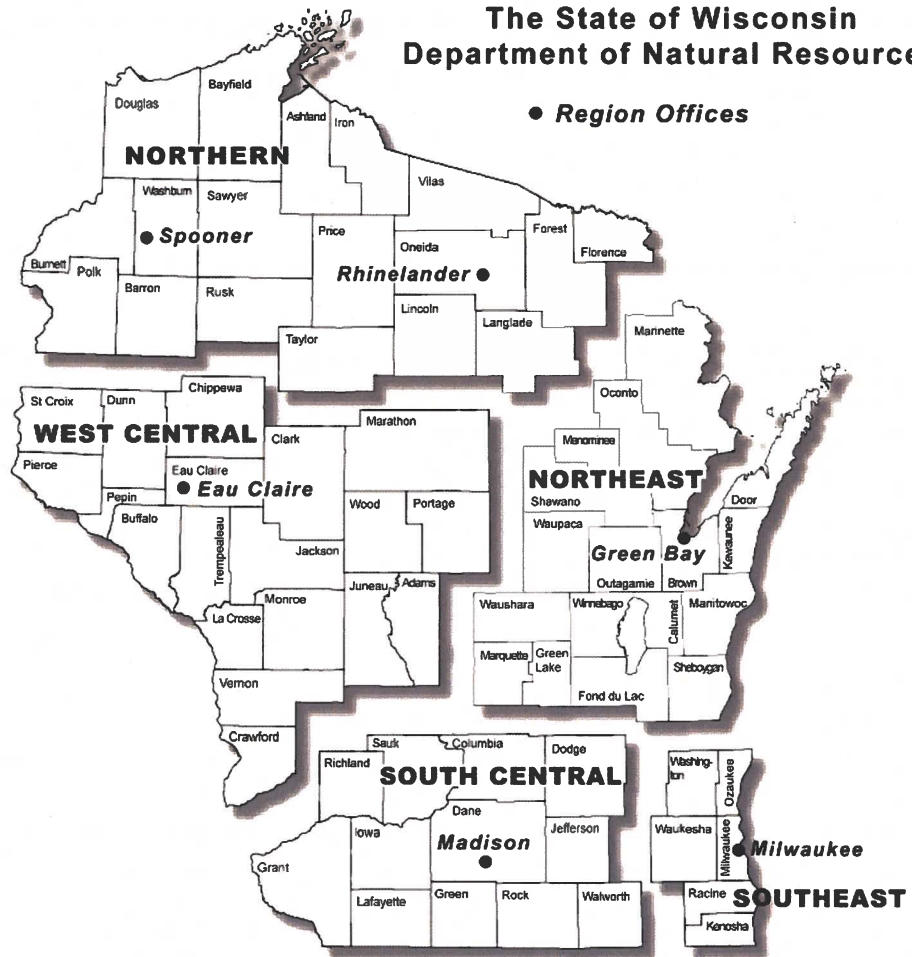
**DNR NORTHERN REGION**  
Attn: RR Program Assistant  
Department of Natural Resources  
223 E Steinfest Rd Antigo, WI 54409

**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

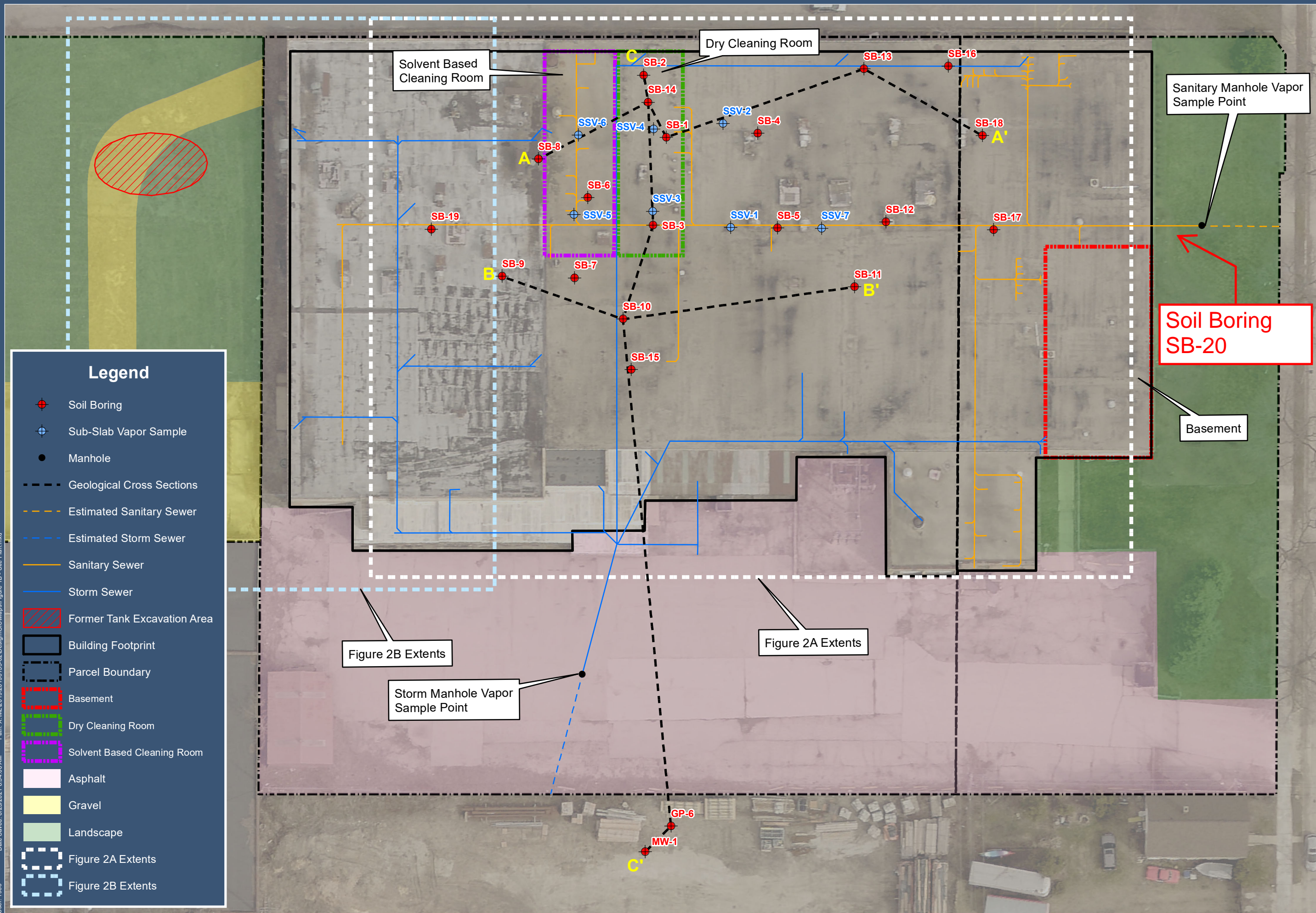


*Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.*

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		



FIGURE 1B



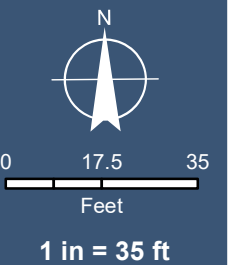
### Legend

- Soil Boring
- Sub-Slab Vapor Sample
- Manhole
- Geological Cross Sections
- Estimated Sanitary Sewer
- Estimated Storm Sewer
- Sanitary Sewer
- Storm Sewer
- Former Tank Excavation Area
- Building Footprint
- Parcel Boundary
- Basement
- Dry Cleaning Room
- Solvent Based Cleaning Room
- Asphalt
- Gravel
- Landscape
- Figure 2A Extents
- Figure 2B Extents

**SITE PLAN**

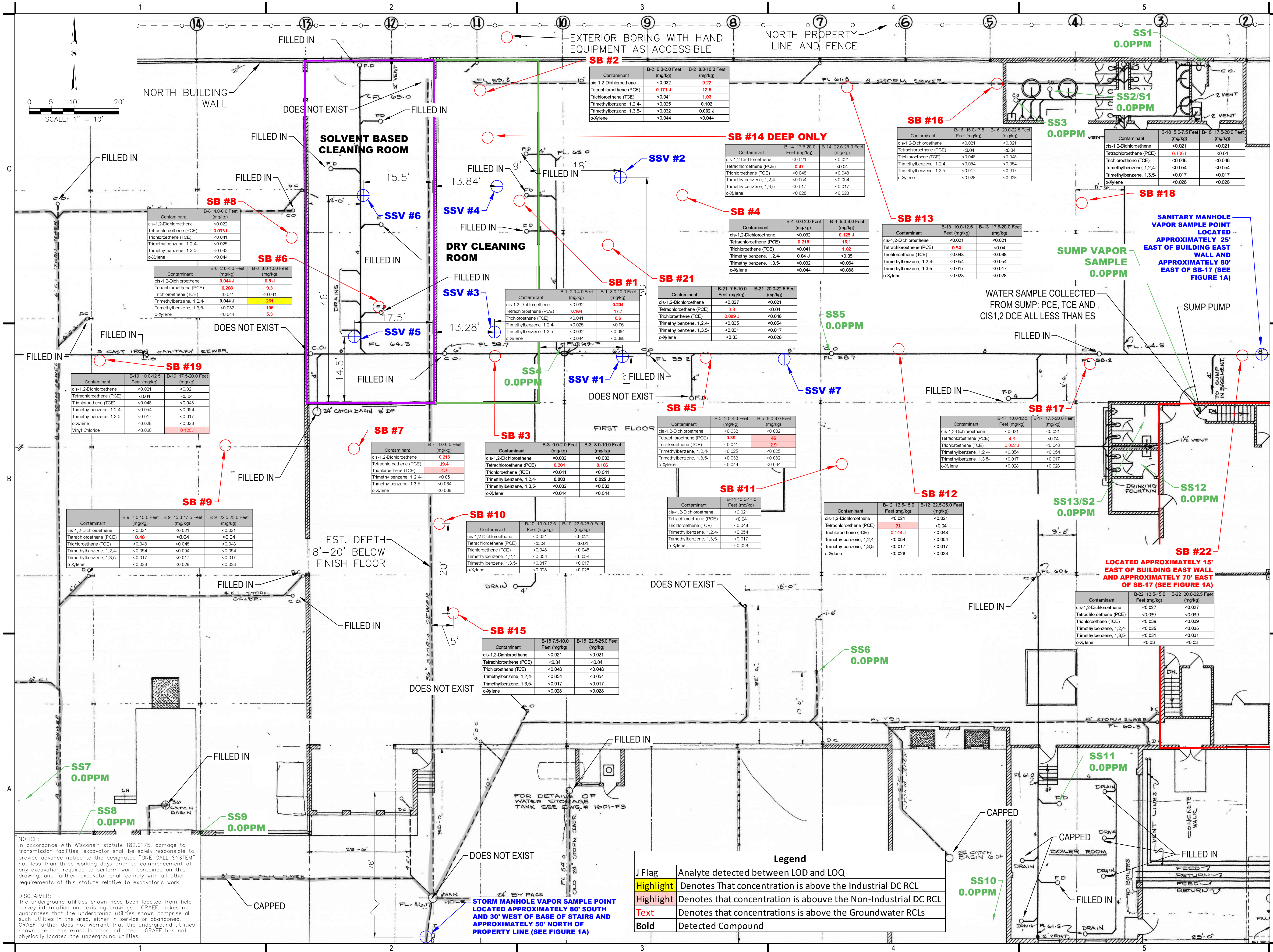
4301 N RICHARDS STREET  
CITY OF MILWAUKEE  
MILWAUKEE COUNTY, WISCONSIN

Reviewed on:  
06-24-2021



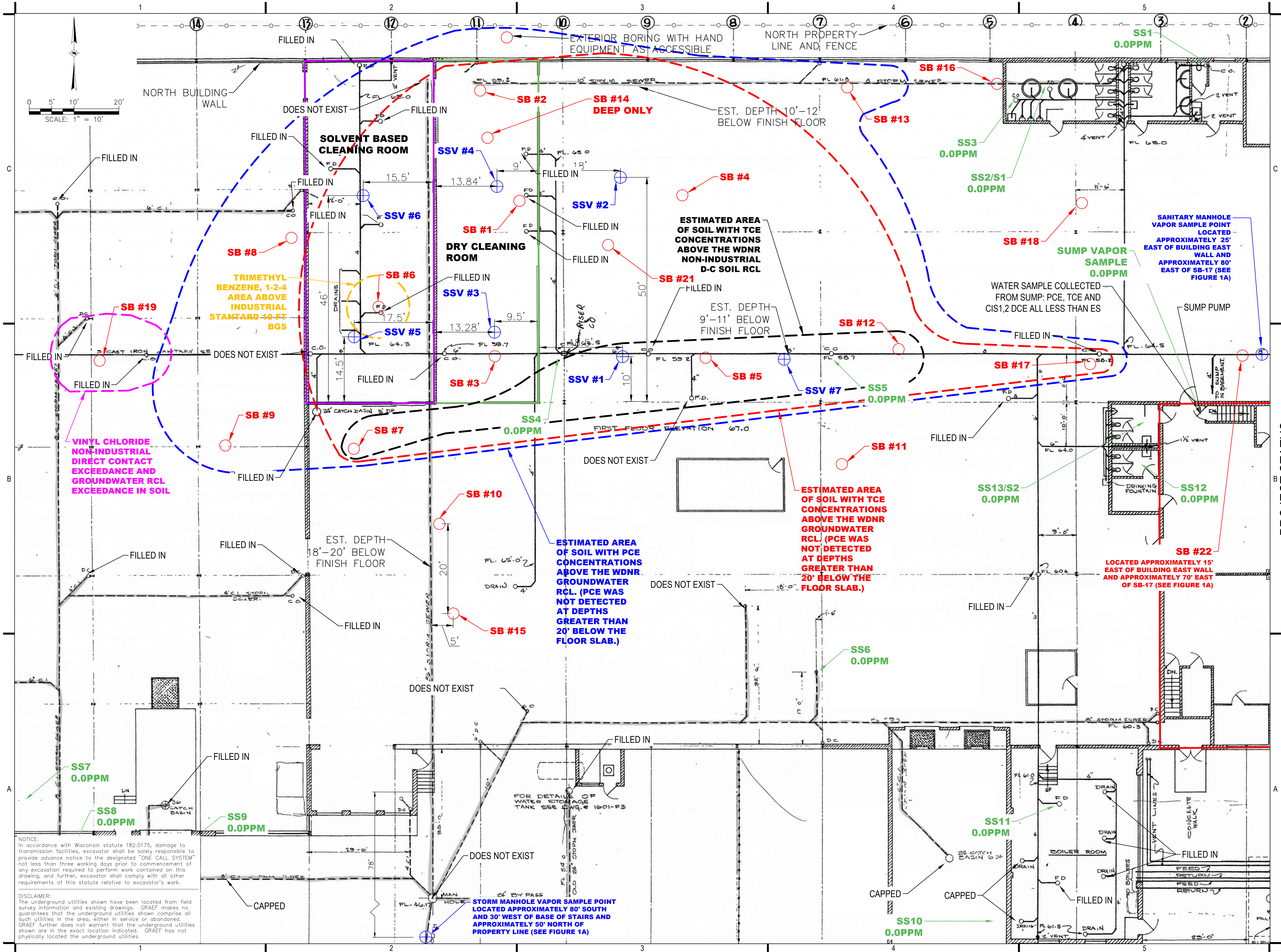
User: 1966 Date Saved: 6/25/2021 8:54:00AM Path: X:\ML\2019\0153-02\Design\GIS\Mapa\Figure 1B - Site Plan.mxd





X:\ML2019\20190153-02\Design\GIS\Maps\Figure 2A - Detailed Floor Plan 10/6/2021 2:17 PM





PROJECT STATUS

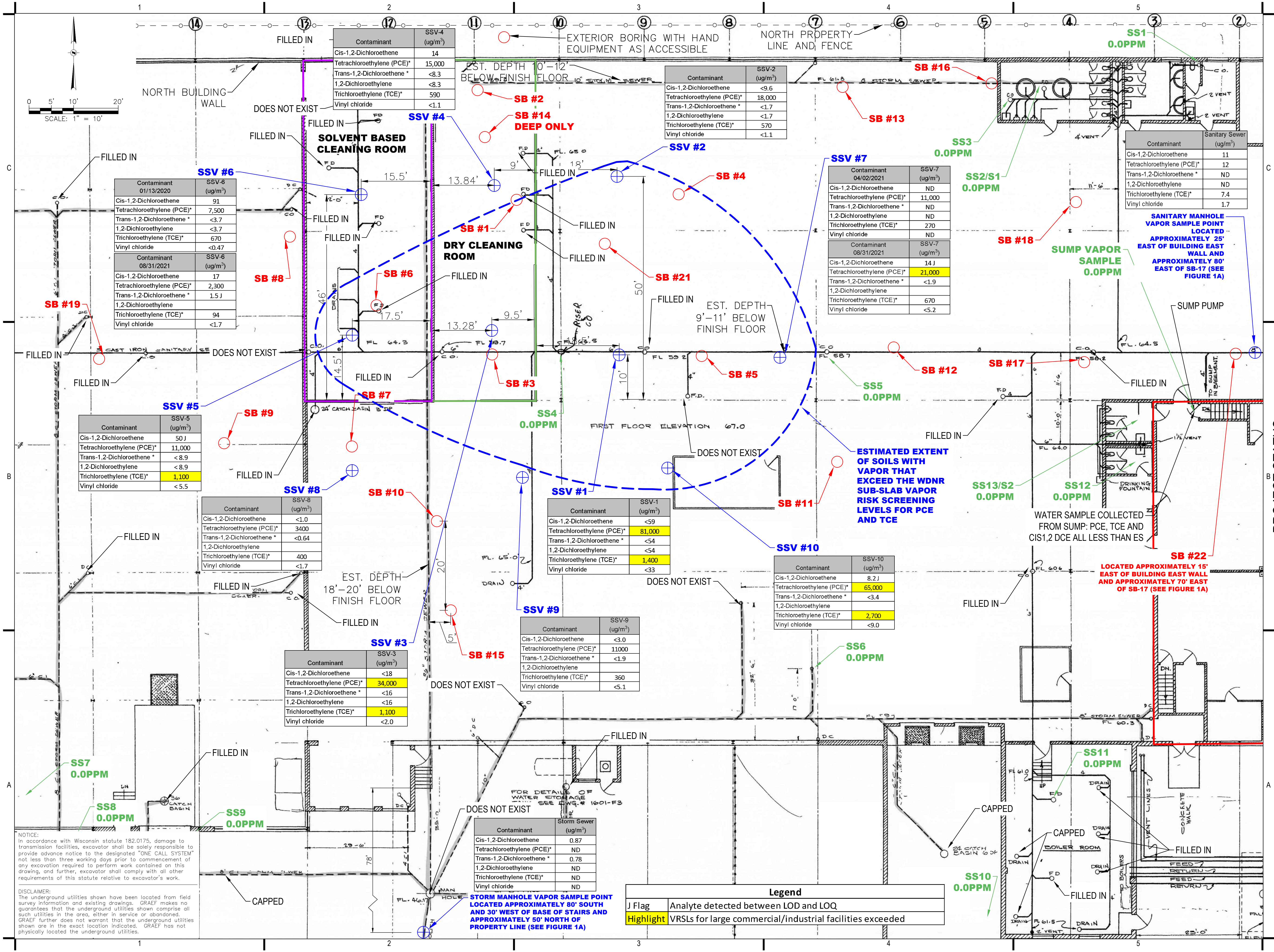
\\gasnet.gasai.com\AllMultiShare\AllProj\ML\2019\201901153-02\Design\GIS\Maps\Figure 3A - Soil Contamination Iso-Concentration Map 11/3/2021 2:18 PM

**NOTICE:**  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.

**STORM MANHOLE VAPOR SAMPLE POINT**  
LOCATED APPROXIMATELY 80' SOUTH  
AND 30' WEST OF BASE OF STAIRS AND  
APPROXIMATELY 50' NORTH OF  
PROPERTY LINE (SEE FIGURE 1A)





\\gasnet.gasai.com\l\MultiShare\AllProj\ML\2019\20190153-02\Design\GIS\Maps\Figure 4A - Sub-Slab Soil Vapor Iso-Concentration Map 11/03/2021 2:21 PM

**NOTICE:**  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.



Former Spic And Span  
Soil Boring Analytical Data-Compounds Exceeding RCLs  
4301 North Richards Street  
Milwaukee

Contaminant	Not-To-Exceed non-Industrial D-C Soil RCL (mg/kg)	Not-To-Exceed Industrial D-C Soil RCL (mg/kg)	Basis	Non- industrial RCL-gw (mg/kg)	B-1 2.0-4.0	B-1 8.0-10.0	B-2 0.0-2.0	B-2 8.0-10.0	B-3 0.0-2.0	B-3 8.0-10.0	B-4 0.0-2.0	B-4 6.0-8.0	B-5 2.0-4.0	B-5 6.0-8.0	B-6 2.0-4.0	B-6 8.0-10.0	B-7 4.0-6.0	B-8 4.0-6.0	HA-1 4.0-4.5	B-9 7.5-10.0	B-9 15.0-17.5	B-9 22.5-25.0	B-10 10.0-12.5	B-10 22.5-25.0
					Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 5/26/20 (mg/kg)	Feet 7/28/20 mg/kg	Feet 8/10/20 (mg/kg)
cis-1,2-Dichloroethene	156.0	2,340.		0.0412	<0.032	0.204	<0.032	0.22	<0.032	<0.032	<0.032	0.125 J	<0.032	<0.032	0.044 J	0.5 J	0.213	<0.022	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021
Tetrachloroethene (PCE)	33.0	145.		0.0045	0.164	17.7	0.171 J	12.5	0.204	0.166	0.218	16.1	0.39	46	0.208	9.3	19.4	0.033 J	0.071 J	0.46	<0.04	<0.04	<0.04	<0.04
Trichloroethene (TCE)	33.0	841.		0.0036	<0.041	0.6	<0.041	1.03	<0.041	<0.041	<0.041	1.02	<0.041	2.9	<0.041	<0.041	4.7	<0.041	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048
Trimethylbenzene, 1,2,4-	219.0	219.	nc	1.3787	<0.025	<0.05	<0.025	0.102	0.083	0.025 J	0.04 J	<0.05	<0.025	<0.025	0.044 J	261	<0.05	<0.025	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054
Trimethylbenzene, 1,3,5-	182.0	182.	Csat	1.3787	<0.032	<0.064	<0.032	0.032 J	<0.032	<0.032	<0.032	<0.064	<0.032	<0.032	<0.032	156	<0.064	<0.032	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
o-Xylene	.260	434.		3.96	<0.044	<0.088	<0.044	<0.044	<0.044	<0.044	<0.044	<0.088	<0.044	<0.044	<0.044	5.3	<0.088	<0.044	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028
tert-Butylbenzene	183	183.			<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	4.00	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037
sec-Butylbenzene	145	145.			<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	31.1	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
n-Butylbenzene	108	108.			<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	31.4	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
1,2-Dichlorobenzene	376	376.		1.168	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Isopropylbenzene	NE	NE		NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Propylbenzene	NE	NE		NE	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Vinyl Chloride	1.6	2.08		0.0001	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066

J Flag: Analyte detected between LOD and LOQ.

- Highlight** Denotes That Concentration is above th Non-Industrial DC RCL
- Text** Denotes that concentrations is above the Groundwater RCLs
- Bold** Detected Compound

x

x



Former Spic And Span  
Soil Boring Analytical Data-Compounds Exceeding RCLs  
4301 North Richards Street  
Milwaukee

Contaminant	Not-To-Exceed Non-Industrial D-C Soil RCL (mg/kg)	Not-To-Exceed Industrial D-C Soil RCL (mg/kg)	Basis	Non-Industrial RCL-gw (mg/kg)	B-11 15.0-17.5 Feet 8/10/20 (mg/kg)	B-12 12.5-15.0 Feet 8/10/20 (mg/kg)	B-12 22.5-25.0 Feet 8/10/20 (mg/kg)	B-13 10.0-12.5 Feet 8/10/20 (mg/kg)	B-13 17.5-20.0 Feet 8/10/20 (mg/kg)	B-14 17.5-20.0 Feet 8/10/20 (mg/kg)	B-14 22.5-25.0 Feet 8/10/20 (mg/kg)	B-15 7.5-10.0 Feet 8/10/20 (mg/kg)	B-15 22.5-25.0 Feet 8/10/20 (mg/kg)	B-16 15.0-17.5 Feet 3/9/21 (mg/kg)	B-16 20.0-22.5 Feet 3/9/21 (mg/kg)	B-17 10.0-12.5 Feet 3/9/21 (mg/kg)	B-17 17.5-20.0 Feet 3/9/21 (mg/kg)	B-18 5.0-7.5 Feet 3/9/21 (mg/kg)	B-18 17.5-20.0 Feet 3/9/21 (mg/kg)	Missing B-19 17.5 B-19 10.0-12.5 Feet 3/9/21 (mg/kg)	B-21 7.5-10.0 Feet 9/13/21 (mg/kg)	B-21 20.0-22.5 Feet 9/13/21 (mg/kg)	B-22 12.5-15.0 Feet 3/9/21 (mg/kg)	B-22 20.0-22.5 Feet 9/13/21 (mg/kg)
					Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
cis-1,2-Dichloroethene	156.0	2,340.		0.0412	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.027	<0.021	<0.027	<0.027
Tetrachloroethene	33.0	145.		0.045	<0.04	71	<0.04	0.54	<0.04	0.47	<0.04	<0.04	<0.04	<0.04	<0.04	4.8	<0.04	0.106 J	<0.04	<0.04	3.8	<0.04	<0.039	<0.039
Trichloroethene (TCE)	33.0	841.		0.0036	<0.048	0.148 J	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	0.062 J	<0.048	<0.048	<0.048	<0.048	0.089 J	<0.048	<0.039	<0.039
Trimethylbenzene, 1,2,4-	219.0	219.	nc	1.3787	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.035	<0.054	<0.035	<0.035
Trimethylbenzene, 1,3,5-	182.0	182.	Csat	1.3787	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.031	<0.017	<0.031	<0.031
o-Xylene	260	434.		3.96	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.03	<0.028	<0.03	<0.03
tert-Butylbenzene	183	183.			<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	0.163	<0.033	<0.037	<0.033	<0.033
sec-Butylbenzene	145	145.			<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	2.09	<0.03	<0.024	<0.03	<0.03
n-Butylbenzene	108	108.			<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	1.49	<0.029	<0.018	<0.029	<0.029
1,2-Dichlorobenzene	376	376.		1.168	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.073 J	<0.026	<0.024	<0.026	<0.026
Isopropylbenzene	NE	NE		NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.117	<0.035	<0.025	<0.035	<0.035
n-Propylbenzene	NE	NE		NE	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	0.264	<0.025	<0.019	<0.025	<0.025
Vinyl Chloride	1.6	2.08		0.0001	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.126 J	<0.036	<0.036	<0.036

J Flag: Analyte detected between LOD and LOQ.

Highlight

Denotes That Concentration is above th Non-Industrial DC RCL

Text

Denotes that concentrations is above the Groundwater RCLs

# Synergy Environmental Lab, INC

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

ED DIESCH  
GRAEF  
275 W. WISCONSIN AVENUE  
MILWAUKEE, WI 53203

Report Date 20-Sep-21

Project Name SPIC&SPAM  
Project # 2019-0153.00

Invoice # E39946

Lab Code 5039946A  
Sample ID SB-21 SS4  
Sample Matrix Soil  
Sample Date 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.0	%			1	5021		9/15/2021	NJC	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		9/17/2021	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/17/2021	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		9/17/2021	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		9/17/2021	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		9/17/2021	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		9/17/2021	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		9/17/2021	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		9/17/2021	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		9/17/2021	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		9/17/2021	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		9/17/2021	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		9/17/2021	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/17/2021	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		9/17/2021	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		9/17/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946A  
**Sample ID** SB-21 SS4  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		9/17/2021	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		9/17/2021	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		9/17/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		9/17/2021	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		9/17/2021	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		9/17/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/17/2021	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		9/17/2021	CJR	1
Tetrachloroethene	3.8	mg/kg	0.039	0.16	1	8260B		9/17/2021	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		9/17/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/17/2021	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		9/17/2021	CJR	1
Trichloroethene (TCE)	0.089 "J"	mg/kg	0.039	0.16	1	8260B		9/17/2021	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		9/17/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		9/17/2021	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		9/17/2021	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		9/17/2021	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		9/17/2021	CJR	1
SUR - Toluene-d8	108	Rec %			1	8260B		9/17/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946B  
**Sample ID** SB-21 SS9  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	76.8	%			1	5021		9/15/2021	NJC	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		9/16/2021	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		9/16/2021	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		9/16/2021	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		9/16/2021	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		9/16/2021	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		9/16/2021	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		9/16/2021	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		9/16/2021	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		9/16/2021	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		9/16/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		9/16/2021	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/16/2021	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		9/16/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946B  
**Sample ID** SB-21 SS9  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	<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>
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		9/16/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/16/2021	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		9/16/2021	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		9/16/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		9/16/2021	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		9/16/2021	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		9/16/2021	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		9/16/2021	CJR	1
SUR - Toluene-d8	103	Rec %			1	8260B		9/16/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946C  
**Sample ID** SB-22 SS6  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.6	%			1	5021		9/15/2021	NJC	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		9/16/2021	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		9/16/2021	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		9/16/2021	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		9/16/2021	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		9/16/2021	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		9/16/2021	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		9/16/2021	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		9/16/2021	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		9/16/2021	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		9/16/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		9/16/2021	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/16/2021	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		9/16/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946C  
**Sample ID** SB-22 SS6  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	<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>
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		9/16/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/16/2021	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		9/16/2021	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		9/16/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		9/16/2021	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/16/2021	CJR	1
SUR - Toluene-d8	105	Rec %			1	8260B		9/16/2021	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		9/16/2021	CJR	1
SUR - Dibromofluoromethane	97	Rec %			1	8260B		9/16/2021	CJR	1



**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946D  
**Sample ID** SB-22 SS9  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.2	%			1	5021		9/15/2021	NJC	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		9/17/2021	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/17/2021	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		9/17/2021	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		9/17/2021	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		9/17/2021	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		9/17/2021	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		9/17/2021	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		9/17/2021	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		9/17/2021	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		9/17/2021	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		9/17/2021	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		9/17/2021	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/17/2021	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		9/17/2021	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		9/17/2021	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		9/17/2021	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		9/17/2021	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/17/2021	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		9/17/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		9/17/2021	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		9/17/2021	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		9/17/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/17/2021	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/17/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		9/17/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946D  
**Sample ID** SB-22 SS9  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	<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>
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		9/17/2021	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		9/17/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/17/2021	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		9/17/2021	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		9/17/2021	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		9/17/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/17/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/17/2021	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		9/17/2021	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		9/17/2021	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/17/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		9/17/2021	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		9/17/2021	CJR	1
SUR - Dibromofluoromethane	92	Rec %			1	8260B		9/17/2021	CJR	1
SUR - Toluene-d8	107	Rec %			1	8260B		9/17/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946E  
**Sample ID** MEOH TB  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		9/16/2021	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		9/16/2021	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		9/16/2021	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		9/16/2021	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		9/16/2021	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		9/16/2021	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		9/16/2021	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		9/16/2021	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		9/16/2021	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		9/16/2021	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		9/16/2021	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		9/16/2021	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		9/16/2021	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		9/16/2021	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		9/16/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		9/16/2021	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		9/16/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/16/2021	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		9/16/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		9/16/2021	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		9/16/2021	CJR	1

**Project Name** SPIC&SPAM  
**Project #** 2019-0153.00

**Invoice #** E39946

**Lab Code** 5039946E  
**Sample ID** MEOH TB  
**Sample Matrix** Soil  
**Sample Date** 9/13/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/16/2021	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		9/16/2021	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		9/16/2021	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		9/16/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		9/16/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		9/16/2021	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		9/16/2021	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		9/16/2021	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		9/16/2021	CJR	1
SUR - Toluene-d8	107	Rec %			1	8260B		9/16/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		9/16/2021	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		9/16/2021	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		9/16/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
1	Laboratory QC within limits.

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

**Authorized Signature**

## Environmental Lab, Inc.

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

**Sample Handling Request**

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

Normal Turn Around

Lab I.D. # \_\_\_\_\_  
Account No. : \_\_\_\_\_ Quote No.: \_\_\_\_\_  
Project #: **2019-0153.00**  
Sampler: (signature) *Eld G. Duesch*

Project (Name / Location): **SPIC + SPAN N. RICHARDS ST. MILWAUKEE**  
Reports To: **BRIAN SCHNEIDER, ED DJESCH** Invoice To: \_\_\_\_\_  
Company **GRABF** Company \_\_\_\_\_  
Address **275 W. WISCONSIN AVE** Address \_\_\_\_\_  
City State Zip **MILWAUKEE WI 53214** City State Zip \_\_\_\_\_  
Phone **414-259-1500** Phone \_\_\_\_\_  
FAX \_\_\_\_\_ FAX \_\_\_\_\_

Analysis Requested										Other Analysis						
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 542.2)	VOC (EPA 8260)	8-PCRA METALS	PCB + Breakdown Products	Dry wt.	PID/FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<b>5039946A</b>	<b>SB-21, SS4</b>	<b>9-13</b>	<b>9:30</b>		<b>X</b>	<b>N</b>	<b>2</b>	<b>S</b>	<b>Meth, Ice</b>
	<b>B SB-21, SS9</b>	<b>↓</b>	<b>9:50</b>		<b>X</b>	<b>N</b>	<b>2</b>	<b>S</b>	<b>Meth, Ice</b>
	<b>C SB-22, SS6</b>	<b>9-13</b>	<b>2:54</b>		<b>X</b>	<b>N</b>	<b>2</b>	<b>S</b>	<b>Meth, Ice</b>
	<b>D SB-22, SS9</b>	<b>↓</b>	<b>3:05</b>		<b>X</b>	<b>N</b>	<b>2</b>	<b>S</b>	<b>Meth, Ice</b>
	<b>E meth T.B.</b>	<b>9-13</b>	<b>NA</b>						<b>Ice</b>

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

**SB-21, SS4 prep sample and hold until notified to run by BRIAN S.**

**Rush SB-21 SS9 per ED on 9-16-21 MR.**

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) *Eld G. Duesch* Time: **12:00** Date: **9-14**  
Received By: (sign) \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_  
Received in Laboratory By: *Cheryl R...* Time: **8:00** Date: **9/15/21**

Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Haz. Waste
- Underground Tanks
- Water Resources
- Other \_\_\_\_\_

Facility/Project Name: Spic + Span N. Richards Street  
 License/Permit/Monitoring Number: \_\_\_\_\_  
 Boring Number: SB-21  
 Boring Drilled By (Firm name and name of crew chief): GESTRA Engineering, Inc  
 Date Drilling Started: 09/13/21 (MM DD YY)  
 Date Drilling Completed: 09/13/21 (MM DD YY)  
 Drilling Method: Geoprobe  
 Final Static Water Level: \_\_\_\_\_ Feet MSL  
 Surface Elevation: \_\_\_\_\_ Feet MSL  
 Borehole Diameter: 2.0 inches  
 Boring Location: State Plane \_\_\_\_\_ N, \_\_\_\_\_ E S/C/N Lat \_\_\_\_\_  
 Local Grid Location (If applicable): \_\_\_\_\_ Feet \_\_\_\_\_ N \_\_\_\_\_ E \_\_\_\_\_ S \_\_\_\_\_ W  
 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_ T \_\_\_\_\_ N, R \_\_\_\_\_ E/W Long \_\_\_\_\_  
 County: Milwaukee DNR County Code \_\_\_\_\_ Civil Town/City/ or Village: Milwaukee

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	
1	60"	A	0-1	concrete (9")									
			1-2	Sand w/ silt and gravel, brown, light gray, moist	SP-SM								
			2-3										
2	60"	A	3-4	Silty sand, brown, red, trace gravel, trace possible sandy materials	SM								
			4-5										
			5-6										
			6-7										
			7-8										
3	46"	A	8-9	Sandy silt, brown, moist	ML								
			9-10	lean clay, brown, moist	CL								
			10-11	Silty sand, brown-light brown, moist	SM								
			11-12	Sand w/ silt, brown, red, trace pos. sandy materials	SP-SM								
			12	Gravel w/ sand, light brown, yellow, moist	GP-SM								

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

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

*qp = pocket penetrometer reading (tsp)*







- Route To:
- Solid Waste
  - Emergency Response
  - Wastewater
  - Haz. Waste
  - Underground Tanks
  - Water Resources
  - Other \_\_\_\_\_

Facility/Project Name: Spic + Span N. Richards Street License/Permit/Monitoring Number: \_\_\_\_\_ Boring Number: SB-22 Page 1 of 2

Boring Drilled By (Firm name and name of crew chief): \_\_\_\_\_ Date Drilling Started: 09/13/21 Date Drilling Completed: 09/13/21 Drilling Method: Geoprobe

DNR Facility Well No.: \_\_\_\_\_ WI Unique Well No.: \_\_\_\_\_ Common Well Name: \_\_\_\_\_ Final Static Water Level: \_\_\_\_\_ Feet MSL Surface Elevation: \_\_\_\_\_ Feet MSL Borehole Diameter: 2.0 inches

Boring Location: State Plane \_\_\_\_\_ N, \_\_\_\_\_ E S/C/N Lat \_\_\_\_\_ Local Grid Location (If applicable): \_\_\_\_\_  
\_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_ T \_\_\_\_\_ N, R \_\_\_\_\_ E/W Long \_\_\_\_\_  
County: Milwaukee DNR County Code \_\_\_\_\_ Civil Town/City/ or Village: Milwaukee

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	60"		1	Topsoil (12-inches); lean clay, dark brown moist											
			2	Sandy lean clay, brown, dark brown, dark gray, moist, very stiff, trace gravel	CL										
			3												
			4												
			5												
2	60"		6	Sand, light brown, moist	SP										
			7	Sandy lean clay, brown, dark brown, trace red, trace gray, moist, stiff	CL										
			8												
			9												
			10												
3	60"		11	Lean clay, grayish brown, moist, trace gravel, very stiff-hard	CL										
			12												

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

Signature: [Signature] Firm: GESTRA Engineering, Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$100 or more than \$1000 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

$q_p$  = pocket penetrometer readings (+sf)

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
Number	Length Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200				
4			13	Lean clay, grayish brown, moist, trace gravel, very stiff-hard	CL												
			14														
		60"		15													
				16	7" sand seam	SP										q <sub>p</sub> = 2.0	
			16.2'														
			16.8'													q <sub>p</sub> = 2.0	
	52"		17	Lean clay, gray, moist, trace sand and gravel, very stiff to stiff	CL												
			18														
			19														
			20														
5			21														
		60"	22														
			23														
			24														
		55"		25													
				End of boring at 25'													

q<sub>p</sub> = 1.5  
- 2.0

Facility/Project Name <i>Sonic + Spinn N. Richards St.</i>	Local Grid Location of Well * _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. * _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <i>SB-21* MW</i>
Facility License, Permit or Monitoring No. *	Grid Origin Location (Check if estimated: <input type="checkbox"/> ) Lat. *° *' *'' Long. *° *' *'' or	Wis. Unique Well No. / DNR Well Number * / *
Facility ID *	St. Plane * _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Date Well Installed <i>9/13/202*</i>
Type of Well *	Section Location of Waste/Source * 1/4 of * 1/4 of Sec. * T. * N, R. * <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <i>Bryan Sargent</i> <i>Gestra Engineering, Inc</i>
Distance Well Is From Waste/Source Boundary * ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ * ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ * ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ * in. b. Length: _____ * ft. c. Material: Steel <input type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ * ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <i>Flush mount</i>
D. Surface seal, bottom _____ * ft. MSL or _____ * ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USC classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 _____ * Other <input type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____ *	
17. Source of water (attach analysis): _____ *	
E. Bentonite seal, top _____ * ft. MSL or <i>10</i> * ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
F. Fine sand, top _____ * ft. MSL or _____ * ft.	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ * Lbs/gal mud weight Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ * Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ * % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ * Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
G. Filter pack, top _____ * ft. MSL or _____ * ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. <i>4 lbs/gal</i> * Other <input type="checkbox"/>
H. Screen joint, top _____ * ft. MSL or <i>12</i> * ft.	7. Fine sand material: Manufacturer, product name and mesh size a. <i>40 LB*</i> b. Volume added _____ * ft <sup>3</sup>
I. Well bottom _____ * ft. MSL or <i>22</i> * ft.	8. Filter pack material: Manufacturer, product name and mesh size a. _____ * b. Volume added <i>9.5 lbs</i> * ft <sup>3</sup>
J. Filter pack, bottom _____ * ft. MSL or <i>24</i> * ft.	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 _____ * Other <input type="checkbox"/>
K. Borehole, bottom _____ * ft. MSL or _____ * ft.	10. Screen material: a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 _____ * Other <input type="checkbox"/>
L. Borehole, diameter <i>12</i> * in.	b. Manufacturer _____ * c. Slot size: <i>2</i> * in. d. Slotted length: <i>10</i> * ft.
M. O.D. well casing _____ * in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 _____ * Other <input type="checkbox"/>
N. I.D. well casing _____ * in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature: *[Signature]* Firm: *GESTRA Engineering, Inc (414) 933-7444* Tel: \*  
Fax: \*

Please complete both Forms 4400-113A and 4400-113B and return to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 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.

Spic And Span  
North Richards Street, Milwaukee  
Groundwater Analytical

Contaminant	Fed MCL (ug/l)	NR 140 ES (ug/l)	RCL-gw (mg/kg) DF=1	RCL-gw (mg/kg) DF=2	MW-1 9/24/21 9:00 AM
Benzene	5.	5.	0.0026	0.0051	<0.38
Bromobenzene		NE	NE		<0.4
Bromodichloromethane	80	0.6	0.0002	0.0003	<0.047
Bromoform	80	4.4	0.0012	0.0023	<0.046
Tert-Butylbenzene	NE	NE	NE		<0.045
Sec-Butylbenzene	NE	NE	NE		<0.031
n-Butylbenzene	NE	NE	NE		<0.46
Carbon Tetrachloride	5	5.	0.0019	0.0039	<0.044
Chlorobenzene		NE	NE	NS	<0.038
Chloroethane	-	400.	0.1133	0.2266	<0.78
Chloroform	80	6.	0.0017	0.0033	<0.4
Chloromethane	-	30.	0.0078	0.0155	<0.84
2-Chlorotoluene	NE	NE	NE		<0.36
4-Chlorotoluene	NE	NE	NE		<0.4
1,2-Dibromo-3-chloropropane	NE	NE	NE		<0.054
Dibromochloromethane		38.9			<0.45
1,4-Dichlorobenzene	75	75.	0.072	0.44	<0.48
1,3-Dichlorobenzene	-	600.	0.5764	1.1528	<0.38
1,2-Dichlorobenzene	600	600.	0.584	1.168	<0.44
Dichlorodifluoromethane	-	1,000.	1.543	3.0863	<0.55
1,2-Dichloroethane	5	5.	0.0014	0.0028	<0.44
1,1-Dichloroethane	-	850.	0.242	0.4834	<0.48
1,1-Dichloroethene	NE	NE	NE		<0.55
cis-1,2-Dichloroethene	NE	NE	NE		13.5
trans-1,2-Dichloroethene	NE	NE	NE		1.23 J
1,2-Dichloropropane	5	5.	0.0017	0.0033	<0.38
1,3-Dichloropropane	NE	NE	NE		<0.4
trans-1,3-Dichloropropene	NE	NE	NE		<0.45
cis-1,3-Dichloropropene	NE	NE	NE		<0.51
Di-isopropyl ether	NE	NE	NE		<0.47
EDB (1,2-Dibromoethane)	0.05	0.05	1.41E-05		<0.47
Ethylbenzene	700	700.	0.785	1.57	<0.37
Hexachlorobutadiene	NE	NE	NE		<0.75
Isopropylbenzene	NE	NE	NE		<0.3
P-Isopropyltoluene	NE	NE	NE		<0.43
Methylene chloride	5	5.	0.0013	0.0026	<0.89
Methyl tert-Butyl Ether (MTBE)	-	60.	0.0135	0.027	<0.46
Naphthalene	-	100.	0.3291	0.6582	<1.4
n-Propylbenzene	NE	NE	NE		<0.44
1,1,2,2-Tetrachloroethane	-	0.2	7.82E-05	0.0002	<0.36
1,1,1,2-Tetrachloroethane	-	70.	0.027	0.0534	<0.76
Tetrachloroethene	5	5.	0.0023	0.0045	3.2
Toluene	1,000	800.	0.554	1.1072	<0.42
1,2,4-Trichlorobenzene	70	70.	0.204	0.408	<0.47
1,2,3-Trichlorobenzene	NE	NE	NE		<0.66
1,1,1-trichloroethane	200	200.	0.0701	0.1402	<0.41
1,1,2-trichloroethane	5	5.	0.0016	0.0032	<0.48
Trichloroethene (TCE)	5	5.	0.0018	0.0036	<0.47
Trichlorofluoromethane	NE	NE	NE		<0.49
Trimethylbenzene, 1,2,4-	-	480.	0.689	1.3787	<0.35
Trimethylbenzene, 1,3,5-	-	480.	0.689	1.3787	<0.38
Vinyl Chloride	2	0.2	6.90E-05	0.0001	21.6
m&p Xylene	10,000	2,000.	1.98	3.96	<0.77
o-Xylene	10,000	2,000.	1.98	3.96	<0.44

NT = Not Tested

J Flag: Analyte detected between LOD and LOQ.

**Highlight**

Denotes That Concentration is above th groundwater RCL

**Text**

Denotes that concentrations is above the NR 140 Enforcement Standard

NE = None Established

# Synergy Environmental Lab, INC

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

ED DIESCH  
GRAEF  
275 W. WISCONSIN AVENUE  
MILWAUKEE, WI 53203

Report Date 30-Sep-21

Project Name SPIC&SPAN  
Project # 2019-0153.02

Invoice # E39993

Lab Code 5039993A  
Sample ID MW-1  
Sample Matrix Water  
Sample Date 9/24/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		9/29/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/29/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		9/29/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		9/29/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		9/29/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		9/29/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		9/29/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		9/29/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		9/29/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		9/29/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		9/29/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		9/29/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		9/29/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		9/29/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		9/29/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		9/29/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		9/29/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		9/29/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		9/29/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		9/29/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		9/29/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		9/29/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		9/29/2021	CJR	1
cis-1,2-Dichloroethene	13.5	ug/l	0.39	1.59	1	8260B		9/29/2021	CJR	1
trans-1,2-Dichloroethene	1.23 "J"	ug/l	0.6	2.46	1	8260B		9/29/2021	CJR	1

**Project Name** SPIC&SPAN  
**Project #** 2019-0153.02

**Invoice #** E39993

**Lab Code** 5039993A  
**Sample ID** MW-1  
**Sample Matrix** Water  
**Sample Date** 9/24/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		9/29/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		9/29/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		9/29/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		9/29/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		9/29/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		9/29/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		9/29/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		9/29/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		9/29/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		9/29/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		9/29/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		9/29/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		9/29/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		9/29/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/29/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		9/29/2021	CJR	1
Tetrachloroethene	3.2	ug/l	0.54	2.22	1	8260B		9/29/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		9/29/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		9/29/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		9/29/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		9/29/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		9/29/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		9/29/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		9/29/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		9/29/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		9/29/2021	CJR	1
Vinyl Chloride	21.6	ug/l	0.17	0.65	1	8260B		9/29/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		9/29/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		9/29/2021	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		9/29/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/29/2021	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		9/29/2021	CJR	1
SUR - Toluene-d8	110	REC %			1	8260B		9/29/2021	CJR	1

**Project Name** SPIC&SPAN  
**Project #** 2019-0153.02

**Invoice #** E39993

**Lab Code** 5039993B  
**Sample ID** TB  
**Sample Matrix** Water  
**Sample Date** 9/24/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		9/29/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/29/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		9/29/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		9/29/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		9/29/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		9/29/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		9/29/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		9/29/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		9/29/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		9/29/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		9/29/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		9/29/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		9/29/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		9/29/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		9/29/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		9/29/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		9/29/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		9/29/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		9/29/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		9/29/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		9/29/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		9/29/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		9/29/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		9/29/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		9/29/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		9/29/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		9/29/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		9/29/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		9/29/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		9/29/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		9/29/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		9/29/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		9/29/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		9/29/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		9/29/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		9/29/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		9/29/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		9/29/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		9/29/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/29/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		9/29/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		9/29/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		9/29/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		9/29/2021	CJR	1



**Project Name** SPIC&SPAN  
**Project #** 2019-0153.02

**Invoice #** E39993

**Lab Code** 5039993B  
**Sample ID** TB  
**Sample Matrix** Water  
**Sample Date** 9/24/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		9/29/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		9/29/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		9/29/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		9/29/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		9/29/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		9/29/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		9/29/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		9/29/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		9/29/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		9/29/2021	CJR	1
SUR - Toluene-d8	108	REC %				1	8260B	9/29/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %				1	8260B	9/29/2021	CJR	1
SUR - 4-Bromofluorobenzene	114	REC %				1	8260B	9/29/2021	CJR	1
SUR - Dibromofluoromethane	91	REC %				1	8260B	9/29/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code**      **Comment**

1      Laboratory QC within limits.

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**

## 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 #: 2019-0153.02  
Sampler: (signature) *Erd G. Dink*

Project (Name / Location): SPIC + SPAN NORTH RICHARDS ST.  
Reports To: *BRIAN SCHNEIDER / ERD DIOSCH* Invoice To: *SAMU*  
Company: *GRAEF* Company:  
Address: *275 W. WISCONSIN AVE* Address:  
City State Zip: *MJ LWAUKGE, WI 53203* City State Zip:  
Phone: *414-259-1500* Phone:  
Email: Email:

Analysis Requested												Other Analysis			
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-PCRA METALS	PID/ FID
											X				
												X			

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>503993A</i>	<i>MW-1</i>	<i>9-24</i>	<i>9:00</i>	<i>N</i>	<i>3-4 L</i>	<i>GW</i>	<i>ICE, HOL</i>
<i>B</i>	<i>T.B.</i>	<i>9-24</i>	<i>NA</i>	<i>N</i>	<i>1-4 L</i>		<i>ICE, HAL</i>

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

*only report PCB and its BREAKDOWN PRODUCTS*

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) *Erd G. Dink* Time *12:00* Date *9-24*  
Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
Received in Laboratory By: *[Signature]* Time: *13:00* Date: *9/25/19*