

October 23, 2019

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Boucher Real Estate, LLC  
C/O Daniel G. Nienhuis  
General Counsel  
The Boucher Group, Inc.  
4141 S. 108th Street  
Greenfield, Wisconsin 53228

**Subject: Limited Phase II Environmental Site Assessment Report  
201 South Main Street, Thiensville, Wisconsin  
Sigma Project Reference #18820**

Dear Attorney Nienhuis:

The Sigma Group, Inc. (Sigma) is pleased to provide The Boucher Group, Inc. (Boucher) with the results of the Phase II Environmental Site Assessment (Phase II ESA) related to automotive repair and dry-cleaning activities at the property located at 201 S. Main Street in Thiensville, Wisconsin (the "subject property"). The objective of the Phase II ESA was to assess the condition identified in the Phase I Environmental Site Assessment (Phase I ESA) report prepared for the subject property by Sigma in September 2019. Based on the information identified during the completion of this AAI Phase I ESA completed pursuant to ASTM Standard E1527-13, Sigma provided the following opinions:

1. The subject property was identified in the LUST, RGA – LUST, CRS, AUL and WRRSER databases as a closed LUST site (BRRTS #03-46-003888) with soil and groundwater impacted with petroleum that has migrated off-site. The WDNR closed the LUST case on June 26, 2006 with continuing obligations. Continuing obligations include:
  - Residual soil contamination exists that must be properly managed should it be excavated or removed.
  - WDNR approval must be obtained prior to construction of a well at the property.

The closed LUST case is considered a controlled recognized environmental condition (CREC).

2. A portion of the subject property has been occupied by an automobile service center since the building was constructed in 1970. Additionally, eight hydraulic lift cylinders are in the service bays of the subject property building. A release from the hydraulic lifts and/or a release from automobile service activities could have negatively impacted the subject property via soil, groundwater and/or vapor.
3. A portion of the subject property has been occupied by Bay Cleaners since 1999. Bay Cleaners conducts dry-cleaning activities at the subject property. A release from historical dry-cleaning activities could have negatively impacted the subject property via soil, groundwater and/or vapor.

## Background

The subject property is comprised of an approximate 0.68-acre parcel located at 201-207 South Main Street in the Village of Thiensville, Ozaukee County, Wisconsin (**Figure 1**). A portion of the subject property building is occupied by Bay Cleaners (dry-cleaner) with most of the building unoccupied. The subject property was historically occupied by a gasoline service station on the northeast corner of the site, an automotive repair and service center, retail store fronts, and a dry cleaner. A Site Plan Map depicting the building is presented as **Figure 2**. The subject property is bordered by Spring Street then Port Washington State Bank to the north, residential condominiums to the south, Main Street then residential properties and Fiddleheads (restaurant) to the east, and railroad right-of-way then residential properties to the west.

## Procedures

Sigma personnel accessed the property on Thursday and Friday October 10 and 11, 2019 to complete the Phase II soil sampling activities. Thirteen soil borings were advanced at the following locations on the property. In addition, four temporary monitoring wells were constructed in four of the soil borings:

- SB-1/ TW-1 – Located in the northeast corner of the subject property in the asphalt parking lot. SB-1/TW-1 was located near a previously impacted soil boring and monitoring well. It was also located outside of the former underground storage tank excavation.
- SB-2 – Located on the east side of the building, east of the concrete walkway, near the sanitary sewer lateral on the subject property.
- SB-3/TW-2 – Located approximately 100 feet south of SB-1/TW-1 located near a previously impacted soil boring and monitoring well. It was also located outside of the underground storage tank excavation.
- SB-4 – Located on the north side of the building, centered east-west on the subject property.
- SB-5/ TW-3 – Located on the west side of the building, near the northwest corner of the chain-link fence near the former waste oil UST.
- SB-6 – Located on the south side of the building, five (5) feet south of the exterior door of the dry cleaner.
- SB-7 – Interior soil boring located one-foot south of the dry-cleaning machine.
- SB-8/TW-4 – Located in the automotive repair portion of the building, along the interior wall that is shared between the dry cleaner and the automotive repair portion of the building.
- SB-9 – Located near the eastern most hydraulic lift toward the overhead door to the north.
- SB-10 – Located near the hydraulic lift second from the east toward the overhead door to the north.
- SB-11 – Located near the hydraulic lift third from the east, toward the south interior wall in the automotive portion of the building.
- SB-12 – Located near the hydraulic lift fourth from the east, toward the overhead door to the north.
- SB-13 – Located along the western wall, centered north-south along the wall.

Sigma contacted Diggers Hotline to locate buried utilities prior to drilling activities. A site reconnaissance was performed by Sigma prior to initiating drilling activities to position soil boring/temporary monitoring well locations that may conflict with identified or inferred underground utilities.

The 13 soil borings were advanced to depths ranging from 1 to 14 feet below ground surface (bgs) using either a hand auger (SB-6 and SB-7) or hydraulic-push technology (i.e. Geoprobe) and power-driven sampling spoons. Soil borings advanced with the Geoprobe used single-use disposable acetate liners in each spoon that were advanced to the boring termination depth. The liner was extracted from the spoons and cut open to retrieve the sample. Soil samples were collected continuously from the ground surface to the boring termination depths. Soil samples were described based on grain size, color, stiffness or density, and other relevant characteristics, and classified in general accordance with the Unified Soil Classification System (USCS). All soil samples collected from the soil borings were field screened by visual and olfactory observations and by a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp to semi-qualitatively assess the presence of volatile organic compounds (VOCs). The PID field screening results were recorded on the soil boring logs. Soil samples selected for laboratory analysis were placed in appropriate containers provided by the contracted laboratory and stored on ice pending analysis. Laboratory samples were submitted under a chain-of-custody (COC) control to Synergy Environmental Lab, Inc. in Appleton, Wisconsin for analysis of volatile organic compounds (VOCs) using laboratory Method 8260B, in addition polycyclic aromatic hydrocarbons (PAHs) using laboratory Method M8270C for soil samples collected near the hydraulic lifts.

Following the collection of soil samples, four 1-inch diameter schedule 40 polyvinyl chloride (PVC) temporary groundwater monitoring wells were installed at borings SB-1 (TW-1), SB-3 (TW-2), SB-5 (TW-3), and SB-8 (TW-4) to facilitate the collection of groundwater samples. Groundwater samples were collected from each well with a plastic disposable bailer and placed in appropriate containers with preservatives provided by the laboratory and stored on ice pending laboratory analysis. The groundwater samples were submitted under COC control to Synergy for analysis of VOCs.

Following the completion of soil and groundwater sampling activities, the temporary groundwater monitoring wells were removed and all soil borings advanced were abandoned with bentonite and finished with asphalt or concrete (as appropriate).

The soil boring logs and abandonment forms are provided as **Appendix A**. The approximate locations of the soil borings and temporary monitoring wells are illustrated on **Figure 3** titled "Soil Boring and Temporary Monitoring Well Locations".

### **Geologic and Hydrogeologic Setting**

The geology in the area of the subject property generally consists of engineered fill and glacial deposits overlying bedrock. The subsurface materials immediately underlying the subject property were found to generally consist of six feet of gravel, sand and silt fill underlain by a soft to stiff clayey silt to depths ranging from 8 to 14 feet bgs, with the boring termination depth based on where refusal (bedrock) was encountered.

Wet conditions were generally observed during drilling at a depth of approximately 7 feet bgs. Water level measurements from the temporary groundwater monitoring wells indicate that groundwater is approximately 8 feet bgs at the subject property.

### **Field Screening Results**

Photoionization detector (PID) field screen results are presented on the attached soil boring logs (**Appendix A**). PID readings for soil samples collected from the borings were generally less than one PID unit, except at SB-1, where a reading of 793 PID units was observed at the sample interval 6 to 8 feet bgs.

### **Laboratory Analytical Results**

One discrete soil sample from each soil boring was submitted to Synergy for laboratory analysis of VOCs (13 samples), in addition one soil sample was collected per boring near the hydraulic lifts was also analyzed for PAHs. The samples selected for laboratory analysis were collected from soil borings SB-1/TW-1 (6-8), SB-2 (6-8), SB-3/TW-2 (6-8), SB-4 (6-8), SB-5/TW-3 (6-8), SB-6 (1), SB-7 (1), SB-8/TW-4 (6-8), SB-9 (6-8), SB-10 (6-8), SB-11 (6-8), SB-12 (6-8), and SB-13 (6-8).

A summary of the soil analytical results is included in **Table 1**. Soil results are compared to Wisconsin Administrative Code (WAC) Chapter NR 720 Groundwater Pathway Residual Contaminant Level (RCLs) and Industrial and Non-Industrial Direct Contact RCLs. The soil laboratory analytical report and COC is provided as **Appendix B**.

One groundwater sample from each temporary monitoring well was collected and submitted to Synergy for laboratory analysis of VOCs.

A summary of the groundwater analytical results is included in **Table 2**. Groundwater results are compared to WAC Chapter NR 140 Preventive Action Limit (PAL) and Enforcement Standard (ES). The groundwater laboratory analytical report and COC is provided as **Appendix B**.

#### *VOCs*

A naphthalene concentration of 0.66 milligrams per kilograms (mg/kg) was detected above the WAC Chapter NR 720 Groundwater Pathway RCL at SB-1. Tetrachloroethene (PCE) concentrations of 5.4 mg/kg and 0.039 "J" mg/kg were detected above the WAC Chapter NR 720 Groundwater Pathway RCLs at SB-6 and SB-7, respectively. The concentration detected at SB-7 was reported between the laboratory LOD and Limit of Quantitation (LOQ).

Low level petroleum hydrocarbon compounds and chlorinated VOCs were detected above the laboratory LOD in groundwater samples submitted for analysis. The detected concentrations of benzene [1.07 microgram per liter (ug/L) and naphthalene (102 ug/L)] at TW-1 are above the NR 140 Groundwater Quality-Preventive Action Limit (PAL) and Enforcement Standard, respectively. The detected concentration of PCE (1.51 ug/L) at TW-4 is above the PAL.

#### *PAHs*

PAH concentrations were generally detected or below the LOD, except for Fluoranthene which was detected between the laboratory LOD and LOQ at SB-10.



## **Conclusions**

Based on the information collected by Sigma during the completion of the limited Phase II activities, it appears that petroleum hydrocarbon constituents and CVOCs have been released to subsurface materials at the subject property. The petroleum hydrocarbon constituents present in soil and groundwater samples are, likely from the former UST release that was reported, investigated, remediated to the extent practicable and closed in June 2006 with continuing obligations. It does appear that the CVOC constituents have been released to subsurface materials, likely originating from the dry cleaner on the subject property. PCE concentrations detected in soil and groundwater collected near the dry cleaners exceed the NR 720 Groundwater Pathway RCL and the NR 140 Groundwater Quality PAL. Presently the areal and vertical extent of PCE contaminated soil and groundwater is unknown. Additional investigation and possible remedial activities will likely be required.

## **Recommendations**

Based on our current understanding of the potential purchase of the Property, Sigma provides recommendations for:

- Notification of a release of a hazardous substance.
- Additional site investigation activities.

### *Notification*

Based on the available subsurface information, it is Sigma's opinion that the reporting requirements pursuant to the Wisconsin Spills Law (s. 292.11 Wis. Stat.) are applicable to this subject property for the owner. The owner or operator of a property is required to notify the WDNR of a hazardous substance discharge to the environment. The definition of a "discharge" means, but is not limited to, spilling, leaking, pumping, pouring, emitting, emptying or dumping. Notification would require using the Notification for Hazardous Substance Discharge (Non-Emergency) form 4400-225 (**Appendix C**) and this report. If this Phase II information is reported to the WDNR per the Wisconsin Spills Law, additional soil and/or groundwater assessment on and possibly off the subject property, may likely be required.

### *Additional Site Investigation Activities*

Sigma recommends that further sampling be conducted to define the extent and degree of soil, groundwater and possible soil vapor impacts. Sampling locations would likely focus in the areas of the subject property where PCE was possibly discharged, including in the vicinity of the soil boring locations, beneath the existing building, and possibly adjacent properties. The investigation activities should be completed in accordance with Wisconsin Administrative Code (WAC) NR 700 series, NR 140, NR 141 and WDNR guidance document PUB-RR-800 regarding vapor screening.

## **General Qualifications**

This report was prepared under the constraint of cost, time, and scope of work, and reflects an assessment and evaluation that is based on data collected from potential areas of concern at the time of the evaluation. Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by professional consultants practicing

in this or similar localities. No other warranty or guarantee, expressed or implied, is made as the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalid wholly or partially by changes outside our control.

A subsurface exploration was performed and is presented in this report. However, subsurface exploration cannot totally reveal what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers, which are present in the subsurface, may not be noted.

This report is issued with understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, if warranted.

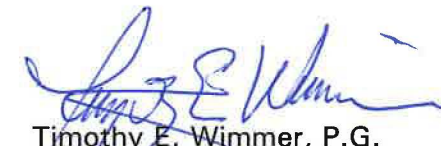
We appreciate the opportunity to provide these services. Please do not hesitate to contact us with any questions or if you need further assistance.

Sincerely,

**THE SIGMA GROUP, INC.**



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List of Attachments:

Table 1 - Soil Analytical Results  
Table 2 - Groundwater Analytical Results

Figure 1 - Site Location Map  
Figure 2 - Site Plan Map  
Figure 3 - Soil Boring and Temporary Monitoring Well Locations

Appendix A - Soil Boring Logs, Abandonment Forms, and Well Construction Forms  
Appendix B - Laboratory Analytical Reports and Chain-of-Custody  
Appendix C - Notification for Hazardous Substance Discharge

## TABLES

Table 1  
Soil Analytical Results Table(s)  
201 S. Main Street, Thiensville, Wisconsin  
Sigma Project No. 18816

Soil Sample Location: Sample Depth (feet bgs): Sample Collection Date:	Sigma Project No. 18816														Groundwater Pathway RCL <sup>4</sup>	Non-Industrial Direct Contact RCL <sup>5</sup>	Industrial Direct Contact RCL <sup>6</sup>	Background Threshold Value <sup>7</sup>
	SB-1/W-1 6-8	SB-2 6-8	SB-3/W-2 6-8	SB-4 6-8	SB-5/W-3 6-8	SB-6 1	SB-7 1	SB-8/W-4 6-8	SB-9 6-8	SB-10 6-8	SB-11 6-8	SB-12 6-8	SB-13 6-8					
Native Material (N) or Fill (F):	N	N	N	N	N	N	N	N	N	N	N	N	N	N				
Unsaturated/Smear Zone (U) or Saturated (S):	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Photoionization Detector	ppm	793	0	0	0	0	0	0	0	0	0	0	0	0	NS	NS	NS	NS
<b>VOCs</b>																		
Benzene	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.0051	1.6	7.07	NS
Bromobenzene	mg/kg	<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	NS	342	679	NS
Bromodichloromethane	mg/kg	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	0.0003	0.418	1.83	NS
Bromoform	mg/kg	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	0.0023	25.4	113	NS
tert-Butylbenzene	mg/kg	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NS	183	183	NS
sec-Butylbenzene	mg/kg	0.48	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	NS	145	145	NS
n-Butylbenzene	mg/kg	1.26	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	NS	108	108	NS
Carbon tetrachloride	mg/kg	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.0039	0.316	4.03	NS
Chlorobenzene	mg/kg	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	NS	370	751	NS
Chloroethane	mg/kg	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	NS	NS	NS	NS
Chloroform	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0033	0.454	1.98	NS
Chloromethane	mg/kg	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	0.0155	159	669	NS
2-Chlorotoluene (o-)	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	NS	907	907	NS
4-Chlorotoluene (p-)	mg/kg	<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	NS	253	253	NS
1,2-Dibromo-3-chloropropane	mg/kg	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	0.0002	0.008	0.092	NS
Dibromochloromethane	mg/kg	<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	0.032	8.28	38.9	NS
1,4-Dichlorobenzene	mg/kg	<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	0.144	3.74	16.4	NS
1,3-Dichlorobenzene	mg/kg	<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	1.1528	297	297	NS
1,2-Dichlorobenzene	mg/kg	<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	1.168	376	376	NS
Dichlorodifluoromethane	mg/kg	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	3.0863	126	530	NS
1,2-Dichloroethane	mg/kg	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	0.0028	0.652	2.87	NS
1,1-Dichloroethane	mg/kg	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	0.4834	5.06	22.2	NS
1,1-Dichloroethene	mg/kg	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.005	320	1,190	NS
cis-1,2-Dichloroethene	mg/kg	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	0.0412	156	2,340	NS
trans-1,2-Dichloroethene	mg/kg	<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	0.0626	1,560	1,850	NS
1,2-Dichloropropane	mg/kg	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0033	3.4	15	NS
1,3-Dichloropropane	mg/kg	<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	NS	1,490	1,490	NS
trans-1,3-Dichloropropane	mg/kg	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.0001	1,510	1,510	NS
cis-1,3-Dichloropropane	mg/kg	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	0.0001	1,210	1,210	NS
Di-isopropyl Ether	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	2,260	2,260	NS
EDB (1,2-Dibromoethane)	mg/kg	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	0.0000282	0.05	0.221	NS
Ethylbenzene	mg/kg	0.228	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	1.57	8.02	35.4	NS
Hexachlorobutadiene	mg/kg	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	NS	163	719	NS
Isopropylbenzene	mg/kg	0.79	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	NS	NS	NS	NS
p-Isopropyltoluene	mg/kg	0.044 J	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	NS	162	162	NS
Methylene chloride	mg/kg	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.0026	61.8	1,150	NS
Methyl-tert-butyl-ether	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.027	63.8	282	NS
Naphthalene	mg/kg	0.66	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	0.6582	5.52	24.1	NS
n-Propylbenzene	mg/kg	3.2	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	NS	264	264	NS
1,1,2,2-Tetrachloroethane	mg/kg	<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	0.0002	0.81	3.6	NS
1,1,1,2-Tetrachloroethane	mg/kg	<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	0.0534	2.78	12.3	NS
Tetrachloroethene (PCE)	mg/kg	<0.032	<0.032	<0.032	<0.032	<0.032	5.4	0.039 J	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	0.0045	33	145	NS
Toluene	mg/kg	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	1.1072	818	818	NS
1,2,4-Trichlorobenzene	mg/kg	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	0.408	24	113	NS
1,2,3-Trichlorobenzene	mg/kg	<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	NS	62.6	934	NS
1,1,1-Trichloroethane	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.1402	640	640	NS
1,1,2-Trichloroethane	mg/kg	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.0032	1.59	7.01	NS
Trichloroethene (TCE)	mg/kg	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	0.0036	1.3	8.41	NS
Trichlorofluoromethane	mg/kg	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	NS	1,230	1,230	NS
1,2,4-Trimethylbenzene	mg/kg	<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	1.3787	219	219	NS
1,3,5-Trimethylbenzene	mg/kg	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	NS	182	182	NS
Vinyl Chloride	mg/kg	<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	0.0001	0.067	2.08	NS
Xylenes (total)	mg/kg	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	3.96	260	260	NS

**Table 2**  
**Groundwater Analytical Results**  
**201 S. Main Street, Thiensville, Wisconsin**  
**Sigma Project No. 18816**

Well Location:		TW-1	TW-2	TW-3	TW-4	NR 140	NR 140
Date:		10/11/19	10/11/19	10/11/19	10/11/19	ES	PAL
<b>VOCs</b>							
Benzene	µg/L	<b>1.07</b>	0.22 J	0.43 J	<0.22	5	0.5
Bromobenzene	µg/L	<0.44	<0.44	<0.44	<0.44	NS	NS
Bromodichloromethane	µg/L	<0.33	<0.33	<0.33	<0.33	0.6	0.06
Bromoform	µg/L	<0.45	<0.45	<0.45	<0.45	4.4	0.44
tert-Butylbenzene	µg/L	0.35 J	<0.25	<0.25	<0.25	NS	NS
sec-Butylbenzene	µg/L	28.6	<0.79	<0.79	<0.79	NS	NS
n-Butylbenzene	µg/L	61	<0.71	<0.71	<0.71	NS	NS
Carbon Tetrachloride	µg/L	<0.31	<0.31	<0.31	<0.31	5	0.5
Chlorobenzene	µg/L	<0.26	<0.26	<0.26	<0.26	NS	NS
Chloroethane	µg/L	<0.61	<0.61	<0.61	<0.61	400	80
Chloroform	µg/L	<0.26	<0.26	<0.26	<0.26	6	0.6
Chloromethane	µg/L	<0.54	<0.54	<0.54	<0.54	30	3
2-Chlorotoluene	µg/L	<0.31	<0.31	<0.31	<0.31	NS	NS
4-Chlorotoluene	µg/L	<0.26	<0.26	<0.26	<0.26	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L	<2.96	<2.96	<2.96	<2.96	0.2	0.02
Dibromochloromethane	µg/L	<0.22	<0.22	<0.22	<0.22	60	6
1,4-Dichlorobenzene	µg/L	<0.7	<0.7	<0.7	<0.7	75	15
1,3-Dichlorobenzene	µg/L	<0.85	<0.85	<0.85	<0.85	600	120
1,2-Dichlorobenzene	µg/L	<0.86	<0.86	<0.86	<0.86	600	60
Dichlorodifluoromethane	µg/L	<0.32	<0.32	<0.32	<0.32	1,000	200
1,2-Dichloroethane	µg/L	0.4 J	<0.25	<0.25	<0.25	5	0.5
1,1-Dichloroethane	µg/L	<0.36	<0.36	<0.36	<0.36	850	85
1,1-Dichloroethene	µg/L	<0.42	<0.42	<0.42	<0.42	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.37	<0.37	<0.37	0.62 J	70	7
trans-1,2-Dichloroethene	µg/L	<0.34	<0.34	<0.34	<0.34	100	20
1,2-Dichloropropane	µg/L	<0.44	<0.44	<0.44	<0.44	5	0.5
1,3-Dichloropropane	µg/L	<0.3	<0.3	<0.3	<0.3	NS	NS
trans-1,3-Dichloropropene	µg/L	<0.32	<0.32	<0.32	<0.32	0.40	0.04
cis-1,3-Dichloropropene	µg/L	<0.26	<0.26	<0.26	<0.26	0.40	0.04
Di-isopropyl ether	µg/L	<0.21	<0.21	<0.21	<0.21	NS	NS
EDB (1,2-Dibromoethane)	µg/L	<0.34	<0.34	<0.34	<0.34	0.05	0.005
Ethylbenzene	µg/L	60	5.2	0.28 J	<0.26	700	140
Hexachlorobutadiene	µg/L	<1.34	<1.34	<1.34	<1.34	NS	NS
Isopropylbenzene	µg/L	73	<0.78	<0.78	<0.78	NS	NS
p-Isopropyltoluene	µg/L	2.56	0.25 J	<0.24	<0.24	NS	NS
Methylene Chloride	µg/L	<1.32	<1.32	<1.32	<1.32	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.28	<0.28	<0.28	<0.28	60	12
Naphthalene	µg/L	<b>102</b>	<2.1	<2.1	<2.1	100	10
n-Propylbenzene	µg/L	199	<0.61	<0.61	<0.61	NS	NS
1,1,2,2-Tetrachloroethane	µg/L	<0.3	<0.3	<0.3	<0.3	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L	<0.35	<0.35	<0.35	<0.35	70	7
Tetrachloroethene	µg/L	<0.38	<0.38	<0.38	<b>1.51</b>	5	0.5
Toluene	µg/L	0.75	2.66	0.79	0.28 J	800	160
1,2,4-Trichlorobenzene	µg/L	<1.15	<1.15	<1.15	<1.15	70	14
1,2,3-Trichlorobenzene	µg/L	<1.71	<1.71	<1.71	<1.71	NS	NS
1,1,1-Trichloroethane	µg/L	<0.33	<0.33	<0.33	<0.33	200	40
1,1,2-Trichloroethane	µg/L	<0.42	<0.42	<0.42	<0.42	5	0.5
Trichloroethene (TCE)	µg/L	<0.3	<0.3	<0.3	<0.3	5	0.5
Trichlorofluoromethane	µg/L	<0.35	<0.35	<0.35	<0.35	3,490	698
1,2,4-Trimethylbenzene	µg/L	1.1 J	<0.8	<0.8	<0.8	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.63	<0.63	<0.63	<0.63	NS	NS
Total Trimethylbenzene	µg/L	1.1 J	<1.43	<1.43	<1.43	480	96
Vinyl Chloride	µg/L	<0.2	<0.2	<0.2	<0.2	0.2	0.02
Xylenes, Total	µg/L	3.05	22.6	0.48 J	<0.72	2,000	400

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
*ITALICS* = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not an NR 140 ES or PAL exceedance per NR 140.14(3)(c)

## FIGURES



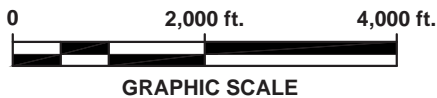
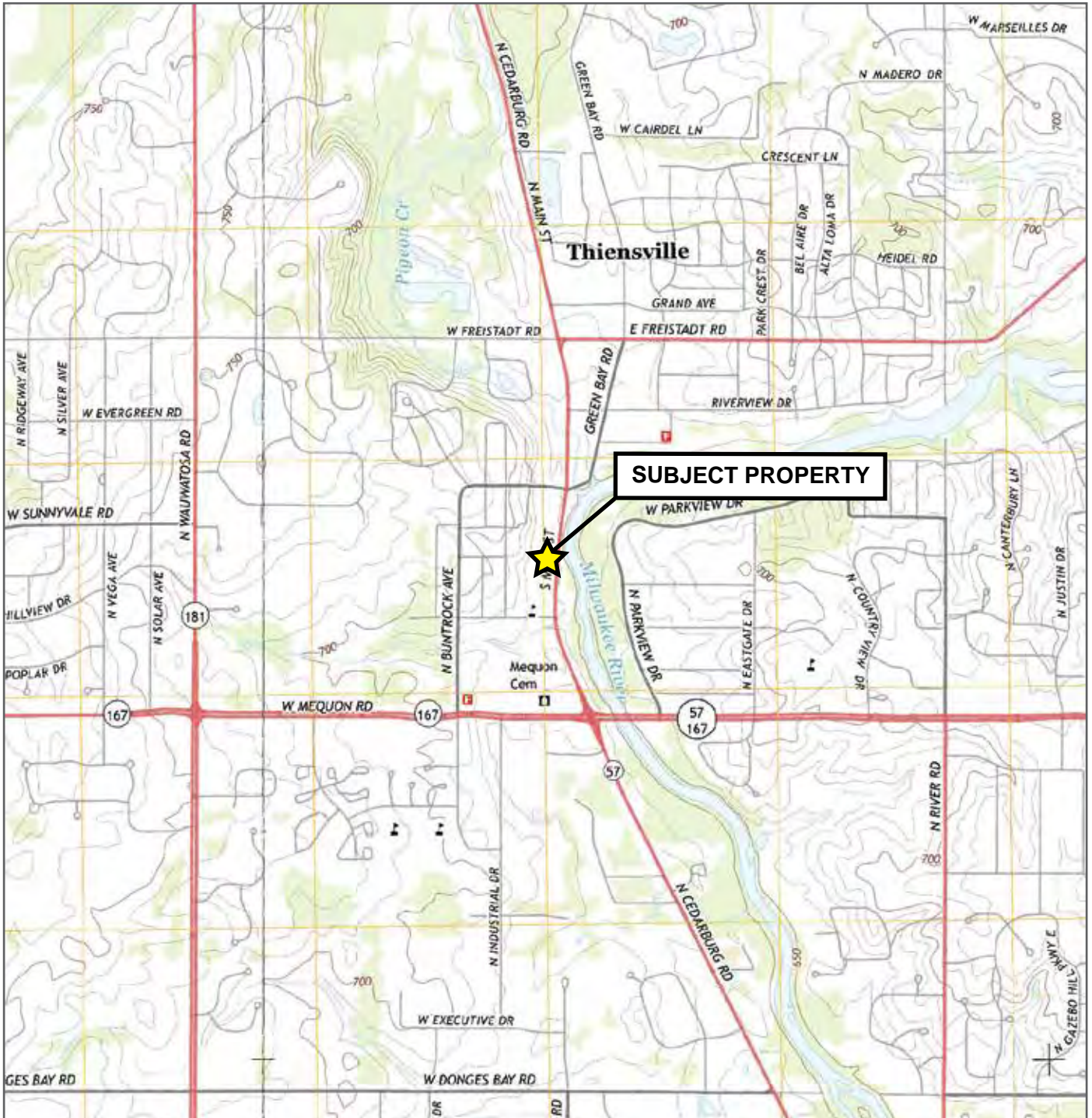
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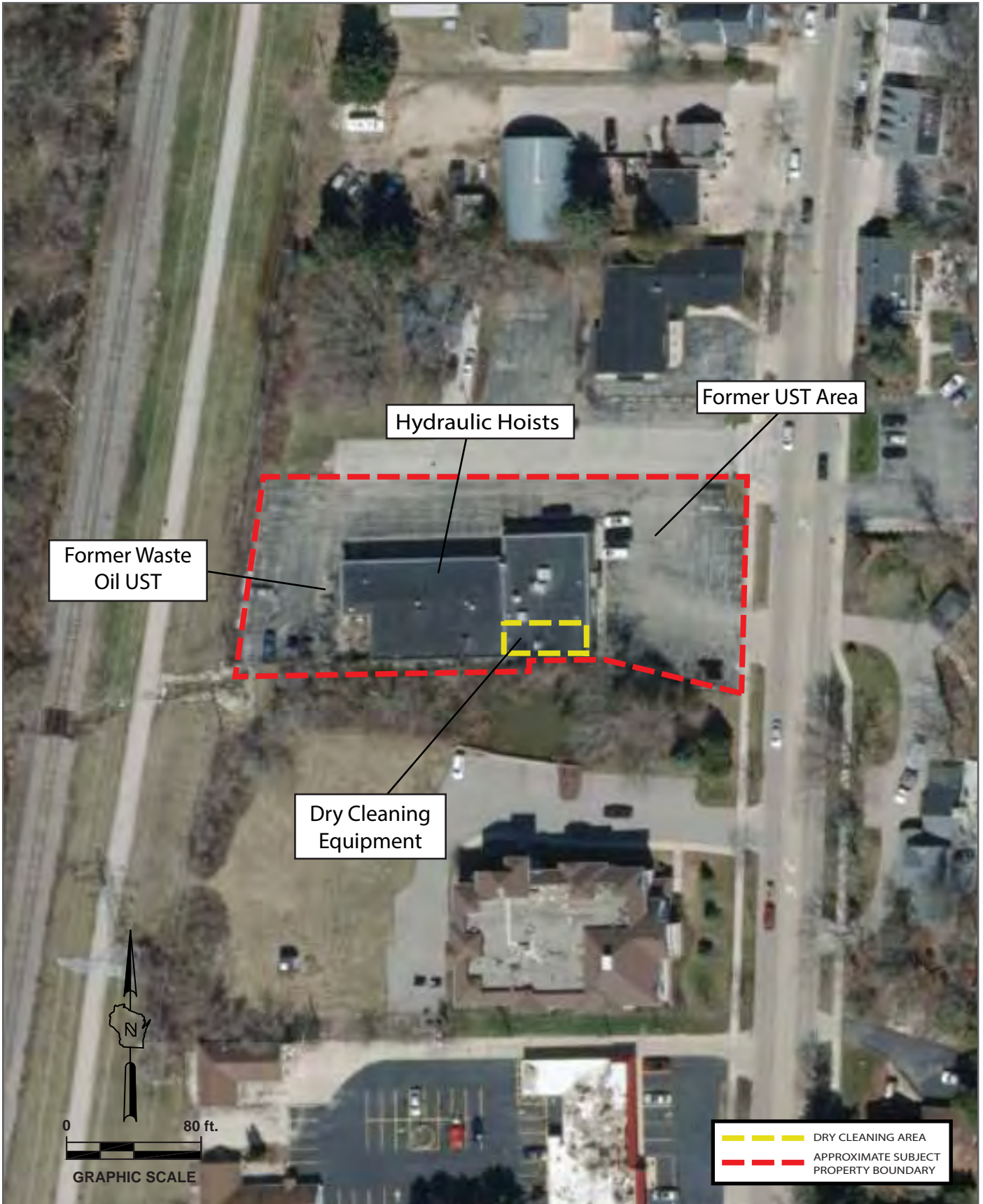
Directory: Figures

Project: 18820






Located in the NE 1/4 of the SE 1/4 of Section 22, T9N, R21E  
 USGS Thiensville Quadrangle (2013)  
 7.5 minute, 1 : 24,000 Topographic Map Collection









	Approximate Property Boundary
	Soil Borings
	Soil Borings with Temp Wells

**APPENDIX A**

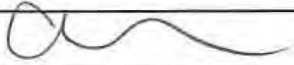
**SOIL BORING LOGS, ABANDONMENT FORMS,  
AND WELL CONSTRUCTION FORMS**

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

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-1/TW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019		Date Drilling Completed 10/10/2019	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat _____"		Long _____"	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

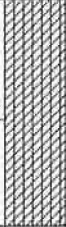

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 42		1	ASPHALT 4"										
			2	Grey fine to coarse GRAVEL, trace silt, dry - fill Soft black clayey SILT, trace fine grave,l damp, petroleum odor - fill	CL-MI			7.2						
2 GP	48 36		4	Tan/grey medium to coarse SAND, little fine to coarse grave,l moist, petroleum odor - fill	SP									
			7	Grey crushed GRAVEL, little silt, moist, petroleum odor - fill Soft grey clayey SILT, petroleum odor, moist to wet. Wet at 7'	CL-MI			490						
3 GP	48 42		8	Stiff grey clayey SILT, trace fine gravel petroleum odor, wet										
			11		CL-MI			793					Collected soil sample from 6 to 8' bgs for VOCs	
			15											
			0.5											

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
--	--	--

Boring Number **SB-1/TW-1** Use only as an attachment to Form 4400-122.

Page **2** of **2**

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 and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
4 GP	36 24		13 14 15	Stiff grey clayey SILT, trace fine gravel petroleum odor, wet ( <i>continued</i> )	CL-ML			0.2							
				End of boring at 15'. 1" diameter temporary well installed with screen from 5 to 15' bgs.											Installed temporary well to a depth of 15', 10' screen, 5' riser, constructed with sand filter pack around screen to 1' above screen and a bentonite seal to ground surface.

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

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019		Date Drilling Completed 10/10/2019	
Drilling Method Geoprobe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

Sample Number and Type	Length Att. & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 24		1	ASPHALT 4" Grey fine to coarse GRAVEL, trace silt dry - fill	GP			0							
			2	Brown fine to medium SAND, little fine to medium gravel, dry, slight petroleum odor - fill	SP			0							
2 GP	48 24		4					0							
			6	Stiff tan clayey SILT, trace fine gravel, moist to wet. Wet at 7'.	CL-MI			0							
3 GP	48 36		8	Soft tan/grey clayey SILT, trace fine gravel, wet	CL-MI			0							
			9					0							
			11					0							

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-3/TW-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019	Date Drilling Completed 10/10/2019	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat	Long	Feet	
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

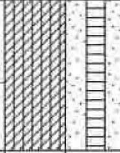
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 42		1	ASPHALT 4"	GP										
				Grey fine to coarse GRAVEL, trace silt, dry - fill	CL-MI			0.4							
				Soft grey clayey SILT, trace fine gravel, dry - fill											
2 GP	48 36		2	Soft black clayey SILT, trace fine gravel, damp - fill	CL-MI			0							
				Soft grey clayey SILT, trace coarse gravel, damp, petroleum odor	CL-MI			0							
				Grey/tan fine to coarse GRAVEL little silt, moist	GP										
3 GP	48 36		7	Medium stiff tan with orange mottling clayey SILT, trace fine to coarse gravel, moist to wet. Wet at 7'.	CL-MI			0							
				Stiff grey clayey SILT, little fine gravel, wet				0							
					CL-MI			0							

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
--	--	--

Boring Number **SB-3/TW-2** Use only as an attachment to Form 4400-122.

Page **2** of **2**

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 and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
4 GP	36 24		13	Very stiff grey clayey SILT, trace fine gravel, wet	CL-MI			0						
			14	End of boring at 14'. Refusal at 14' due to possible bedrock. 1" diameter temporary well installed with screen from 4 to 14' bgs.										Installed temporary well to a depth of 14', 10' screen, 4' riser, constructed with sand filter pack around screen to 1' above screen and a bentonite seal to ground surface.

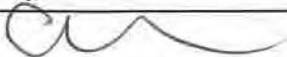


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019		Date Drilling Completed 10/10/2019	
Drilling Method Geoprobe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____ "		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

Sample Number and Type	Length Att. & 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		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1 GP	48 42		1	ASPHALT 4"												
			1	Grey fine to coarse GRAVEL, trace silt, dry - fill	GP											
			2	Soft brown SILT, trace fine gravel, dry - fill	CL-MI				0							
2 GP	48 24		3	Soft brown clayey SILT, trace fine gravel, moist -fill	CL-MI											
			4	Soft dark brown/black clayey SILT, trace fine gravel, moist to wet. Wet at 7'.												
			5		CL-MI				0							
3 GP	48 36		6													
			7													
			8	Soft grey clayey SILT, trace fine gravel, wet												
			9													
			10													
			11													
			12													

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-5/TW-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019		Date Drilling Completed 10/10/2019	
Drilling Method Geoprobe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

Sample Number and Type	Length Att. & 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	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 36		1	ASPHALT 4"											
			1-2	Grey fine to coarse GRAVEL, trace silt, dry - fill	GP CL-MI				0						
			2-3	Soft brown clayey SILT, trace fine to medium gravel, dry - fill Brown silty fine SAND, trace fine to medium gravel, dry - fill	SM				0						
2 GP	48 36		4-5	Brown silty fine to coarse SAND, trace fine to coarse gravel, moist to wet. Wet at 7'	SP-SM										
			6-7						0						
3 GP	48 24		8-9	Grey/brown coarse SAND, trace fine to medium gravel, wet.	SP										
			9-10	Soft grey clayey SILT, trace fine gravel, wet	CL-MI										
			10-11						0						
			11-12												

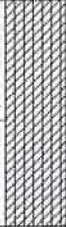

Collected soil sample from 6 to 8' bgs for VOCs

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Boring Number **SB-5/TW-3** Use only as an attachment to Form 4400-122

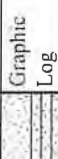
Page 2 of 2

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 and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
4 GP	36 24		13 14 15	Soft grey clayey SILT, trace fine gravel, wet (continued)	CL-MI			0							
				End of boring at 15' bgs. 1" diameter temporary well installed with screen from 5 to 15' bgs.											Installed temporary well to a depth of 15', 10' screen, 5' riser, constructed of sand filter pack around screen to 1' above screen and a bentonite seal to ground surface

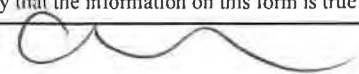


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019	Date Drilling Completed 10/11/2019	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat	Long	Feet <input type="checkbox"/> N <input type="checkbox"/> S	Feet <input type="checkbox"/> E <input type="checkbox"/> W
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att. & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 HA	12 12		1	Soft dark brown SILT, dry, plant roots (topsoil)	SP-SM									
			1	End of boring at 1' bgs. Refusal at 1' due to concrete.				0						Collected soil sample at 1' bgs for VOCs.

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-7	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group			Date Drilling Started 10/11/2019	Date Drilling Completed 10/11/2019	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E			Lat _____" Long _____"	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att. & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 HA	12 12		1	Tan fine to coarse GRAVEL, little silt, dry - fill	GP			0							Collected soil sample at 1' bgs for VOCs.
			2	End of boring at 1' bgs. Refusal at 1' due to coarse gravel.											
			3												
			4												
			5												
			6												
			7												
			8												
			9												
			10												
			11												
			12												

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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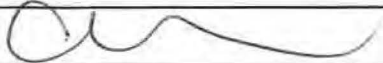
Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-8/TW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/10/2019		Date Drilling Completed 10/10/2019	
Drilling Method Geoprobe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat _____"		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Long _____"		Feet <input type="checkbox"/> S <input type="checkbox"/> W		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

Sample Number and Type	Length Att & 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	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 24		1	ASPHALT 4"											
			2	Brown coarse SAND, trace fine to coarse gravel, dry - fill	SP				0						
			3	Soft grey clayey SILT, dry -fill	CL-MI				0						
2 GP	48 36		4	Soft grey/green clayey SILT, moist, plant roots -fill	CL-MI										
			5	Soft tan/grey clayey SILT, orange mottling, trace fine to coarse gravel, moist to wet. Wet at 7'	CL-MI				0						
			6		CL-MI				0						
3 GP	48 24		8	Brown coarse SAND, little medium gravel, wet	SP										
			9	Medium stiff grey clayey SILT, trace medium sand, trace fine to coarse gravel, wet	CL-MI				0						
			10		CL-MI				0						
			11												
			12												

Collected soil sample from 6 to 8' bgs for VOCs and PAHs.

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-9	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/11/2019	Date Drilling Completed 10/11/2019	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat _____ "		Long _____ "	
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att. & 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	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 36		1	CONCRETE 4"											
			2	Soft tan/brown clayey SILT, trace fine to coarse gravel, dry - fill	CL-MI				0						
2 GP	48 36		4	Grey clayey SILT, trace fine gravel, moist - fill	CL-MI										
			6	Orange silty SAND, some medium to coarse gravel, moist to wet. Wet at 7'.	SP				0						
3 GP	48 24		8	Orange fine to coarse GRAVEL, little silt, saturated	GP										
			10						0						
			12												

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-10	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group			Date Drilling Started 10/11/2019	Date Drilling Completed 10/11/2019	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E			Local Grid Location Lat _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ " Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W		
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 36		1	CONCRETE 4"										
			2	Soft tan clayey SILT, trace fine to coarse gravel, dry - fill	CL-MI				0					
2 GP	48 36		3	Soft grey clayey SILT, trace medium gravel, moist to wet. Wet at 7'.										
			4		CL-MI				0					
3 GP	48 36		5											
			6											
			7											
			8	Orange fine to coarse GRAVEL, little silt, saturated										
			9											
			10		GP									
			11											
			12											

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-11	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group		Date Drilling Started 10/11/2019		Date Drilling Completed 10/11/2019	
Drilling Method Geoprobe		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.0 inches		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____ "		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID		County Ozaukee		County Code 46	
				Civil Town/City/ or Village Thiensville	

Sample Number and Type	Length Att. & 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	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 36		1	CONCRETE 4"											
			2	Soft tan/brown clayey SILT little medium sand, coarse gravel, dry - fill	CL-ML			0							
			3					0							
2 GP	48 36		4	Tan fine SAND, little silt, moist, petroleum odor - fill	SP										
			5	Soft tan/orange clayey SILT, little coarse gravel, moist to wet. Wet at 7' - fill	CL-ML			0							
			6												
			7					0							
			8	End of boring at 8' bgs. Refusal at 8' due to possible bedrock.											Collected soil sample from 6 to 8' bgs for VOCs and PAHs.

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


Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-12	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group			Date Drilling Started 10/11/2019	Date Drilling Completed 10/11/2019	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E			Lat _____ "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att. & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 36		1	CONCRETE 4"											
			1	Tan/grey clayey SILT, trace medium sand, trace fine to coarse gravel, dry - fill	CL-MI				0.6						
2 GP	48 36		2	Soft grey clayey SILT, trace fine to medium gravel, dry - fill	CL-MI										
			3		CL-MI				0.6						
			4	Soft grey SILT, littel fine sand, trace fine to medium gravel, moist to wet. Wet at 7'.					0.6						
3 GP	12 12		5		CL-MI										
			6												
			7												
			8	Grey fine to coarse GRAVEL, little silt, saturated	GP										
			9	End of boring at 9' bgs. Refusal at 9' due to possible bedrock.											

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

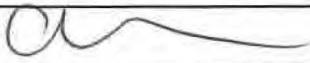
Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street		License/Permit/Monitoring Number		Boring Number SB-13	
Boring Drilled By: Name of crew chief (first, last) and Firm Mike Murray The Sigma Group			Date Drilling Started 10/10/2019	Date Drilling Completed 10/10/2019	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N NE 1/4 of SE 1/4 of Section 22, T 9 N, R 21 E			Lat _____" Long _____"	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County Ozaukee	County Code 46	Civil Town/City/ or Village Thiensville		

Sample Number and Type	Length Att. & 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
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 24		1	CONCRETE 6"											
			2	Tan SILT, little fine to medium sand, fine to coarse gravel, dry -fill	CL-MI				0						
2 GP	48 36		4	Tan coarse SAND, little coarse gravel, damp - fill	SP				0						
			6	Soft tan clayey SILT, trace coarse gravel, moist to wet. Wet at 7'.	CL-MI			0							
3 GP	12 0.4		8	Tan fine to coarse GRAVEL, little silt, wet	GP										
			9	End of boring at 9' bgs. Refusal at 9' due to possible bedrock.				0						Collected soil sample from 6 to 8' bgs for VOCs and PAHs.	

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

Signature 	Firm The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, 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 this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal  
**SB-1/TW-1**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information			
County Ozaukee		WI Unique Well # of Removed Well		Hicap #		Facility Name 201 South Main Street	
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W			Method Code (see instructions)			Facility ID (FID or PWS)	
1/4 / 1/4 or Gov't Lot #		Section	Township	Range <input type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring #		
Well Street Address 201 South Main Street				Original Well Owner			
Well City, Village or Town Thiensville				Present Well Owner			
Subdivision Name				Well ZIP Code		Mailing Address of Present Owner	
Reason For Removal From Service				WI Unique Well # of Replacement Well		City of Present Owner	
State				ZIP Code			
4. Pump, Liner, Screen, Casing & Sealing Material							
<input checked="" type="checkbox"/> Monitoring Well				Original Construction Date			
<input type="checkbox"/> Water Well				If a Well Construction Report is available, please attach.			
<input type="checkbox"/> Drillhole / Borehole							
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____							
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock							
Total Well Depth From Ground Surface (ft)				Casing Diameter (in.)			
Lower Drillhole Diameter (in.) 2.0				Casing Depth (ft)			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown							
If yes, to what depth (feet)?				Depth to Water (feet)			
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							
Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A							
Casing left in place? <input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A							
If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A							
If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A							
Required Method of Placing Sealing Material							
<input type="checkbox"/> Conductor Pipe-Gravity				<input type="checkbox"/> Conductor Pipe-Pumped			
<input checked="" type="checkbox"/> Screened & Poured				<input type="checkbox"/> Other (Explain)			
(Bentonite Chips)							
Sealing Materials							
<input type="checkbox"/> Neat Cement Grout				<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
<input type="checkbox"/> Sand-Cement (Concrete) Grout				<input type="checkbox"/> Bentonite-Sand Slurry " "			
<input type="checkbox"/> Concrete				<input type="checkbox"/> Bentonite Chips			
For Monitoring Wells and Monitoring Well Boreholes Only:							
<input type="checkbox"/> Bentonite Chips				<input type="checkbox"/> Bentonite - Cement Grout			
<input checked="" type="checkbox"/> Granular Bentonite				<input checked="" 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
Bentonite				Surface	15.0	0.5	
6. Comments							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing The Sigma Group			License #	Date of Filling & Sealing (mm/dd/yyyy) 10/10/2019		Date Received	Noted By
Street or Route 1300 West Canal Street			Telephone Number 4146434200		Comments		
City Milwaukee		State WI	ZIP Code 53233	Signature of Person Doing Work 		Date Signed 10/22/2019	



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, 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 this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal  
**SB-2**

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

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

County <b>Ozaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>201 South Main Street</b>			
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)		Facility ID (FID or PWS)				License/Permit/Monitoring #	
° ' " N	° ' " W	1/4	1/4	Section	Township	Range	<input type="checkbox"/> E	<input type="checkbox"/> W	Original Well Owner
or Gov't Lot #		Well Street Address <b>201 South Main Street</b>		Mailing Address of Present Owner				Present Well Owner	
Well City, Village or Town <b>Thiensville</b>		Well ZIP Code		City of Present Owner		State	ZIP Code		
Subdivision Name		Lot #							

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

Reason For Removal From Service		WI Unique Well # of Replacement Well		Pump and piping removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
<input type="checkbox"/> Monitoring Well		Original Construction Date		Liner(s) 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.		Screen removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
<input checked="" type="checkbox"/> Drillhole / Borehole				Casing left in place?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
Construction Type:		<input type="checkbox"/> Drilled		<input checked="" type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug				
<input type="checkbox"/> Other (Specify)		Was casing cut off below surface?		<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		Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)		Did material settle after 24 hours?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	If yes, was hole retopped?	
Lower Drillhole Diameter (in.) <b>2.0</b>		Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Required Method of Placing Sealing Material	
Was well annular space grouted?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped		<input checked="" type="checkbox"/> Screened & Poured	
If yes, to what depth (feet)?		Depth to Water (feet)				<input type="checkbox"/> Other (Explain)		(Bentonite Chips)		

Sealing Materials		<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout		<input type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:					
<input type="checkbox"/> Bentonite Chips		<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
Bcnontite	Surface	15.0	0.5	

**6. Comments**


7. Supervision of Work			DNR Use Only		
Name of Person or Firm Doing Filling & Sealing <b>The Sigma Group</b>		License #	Date of Filling & Sealing (mm/dd/yyyy) <b>10/10/2019</b>	Date Received	Noted By
Street or Route <b>1300 West Canal Street</b>		City <b>Milwaukee</b>	Telephone Number <b>4146434200</b>	Comments	
State <b>WI</b>	ZIP Code <b>53233</b>	Signature of Person Doing Work 		Date Signed <b>10/22/2019</b>	

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Verification Only of Fill and Seal  
**SB-3/TW-2**

**Route to:**

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

1. Well Location Information				2. Facility / Owner Information				
County <b>Ozaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>201 South Main Street</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)		License/Permit/Monitoring #		
1/4 1/4 or Gov't Lot #		Section	Township	Range <input type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner			
Well Street Address <b>201 South Main Street</b>				Present Well Owner				
Well City, Village or Town <b>Thiensville</b>		Well ZIP Code		Mailing Address of Present Owner				
Subdivision Name		Lot #		City of Present Owner		State	ZIP Code	
4. Pump, Liner, Screen, Casing & Sealing Material								
Reason For Removal From Service		WI Unique Well # of Replacement Well		Pump and piping removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date		Liner(s) 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.		Screen removed?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Drillhole / Borehole				Casing left in place?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____				Was casing cut off below surface?		<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				Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)		Did material settle after 24 hours?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <b>2.0</b>		Casing Depth (ft.)		If yes, was hole retopped?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet)		If bentonite chips were used, were they hydrated with water from a known safe source		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)?				Required Method of Placing Sealing Material				
				<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped		
				<input checked="" type="checkbox"/> Screened & Poured		<input type="checkbox"/> Other (Explain)		
				<b>(Bentonite Chips)</b>				
				Sealing Materials				
				<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		
				<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "		
				<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips		
				For Monitoring Wells and Monitoring Well Boreholes Only:				
				<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout		
				<input checked="" type="checkbox"/> Granular Bentonite		<input checked="" 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	
Benontite				Surface	14.0	0.5		
6. Comments								
7. Supervision of Work						DNR Use Only		
Name of Person or Firm Doing Filling & Sealing <b>The Sigma Group</b>			License #		Date of Filling & Sealing (mm/dd/yyyy) <b>10/10/2019</b>		Date Received	
Street or Route <b>1300 West Canal Street</b>			City <b>Milwaukee</b>		Telephone Number <b>4146434200</b>		Noted By	
State <b>WI</b>			ZIP Code <b>53233</b>		Signature of Person Doing Work 		Date Signed <b>10/22/2019</b>	



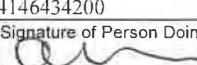


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Verification Only of Fill and Seal  
**SB-5/TW-3**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information			
County <b>Ozaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name 201 South Main Street	
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W				Method Code (see instructions)			
1/4 / 1/4		Section		Township		Range <input type="checkbox"/> E <input type="checkbox"/> W	
or Gov't Lot #				Original Well Owner			
Well Street Address 201 South Main Street				Present Well Owner			
Well City, Village or Town Thiensville				Mailing Address of Present Owner			
Subdivision Name		Well ZIP Code		City of Present Owner		State      ZIP Code	
Reason For Removal From Service		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
<input checked="" type="checkbox"/> Monitoring Well		Original Construction Date		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 type="checkbox"/> Drillhole / Borehole				Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type:				Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input checked="" type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Other (Specify)						Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		<input type="checkbox"/> Bedrock				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation						If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)				If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)				Required Method of Placing Sealing Material	
2.0						<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet)				<input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain)	
If yes, to what depth (feet)?						(Bentonite Chips)	
						Sealing Materials	
						<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
						<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
						<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
						For Monitoring Wells and Monitoring Well Boreholes Only:	
						<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
						<input checked="" type="checkbox"/> Granular Bentonite <input checked="" 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
Benontite				Surface	15.0	0.5	
6. Comments							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing The Sigma Group		License #		Date of Filling & Sealing (mm/dd/yyyy) 10/10/2019		Date Received	Noted By
Street or Route 1300 West Canal Street				Telephone Number 4146434200		Comments	
City Milwaukee		State WI	ZIP Code 53233	Signature of Person Doing Work 			Date Signed 10/22/2019



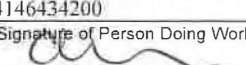
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Verification Only of Fill and Seal

**SB-6**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information				
County Ozaukee		WI Unique Well # of Removed Well		Hicap #		Facility Name 201 South Main Street		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)		License/Permit/Monitoring #		
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner		
or Gov't Lot #				Present Well Owner				
Well Street Address 201 South Main Street				Mailing Address of Present Owner				
Well City, Village or Town Thiensville			Well ZIP Code		City of Present Owner		State	ZIP Code
Subdivision Name			Lot #					
Reason For Removal From Service		WI Unique Well # of Replacement Well						
3. Well / Drillhole / Borehole Information								
<input type="checkbox"/> Monitoring Well		Original Construction Date						
<input type="checkbox"/> Water Well								
<input checked="" type="checkbox"/> Drillhole / Borehole		If a Well Construction Report is available, please attach.						
Construction Type:								
<input type="checkbox"/> Drilled		<input checked="" type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug				
<input type="checkbox"/> Other (Specify)								
Formation Type:								
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock						
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)						
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft)						
Was well annular space grouted?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown						
If yes, to what depth (feet)?		Depth to Water (feet)						
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						
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 checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
If yes, was hole retopped?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
If bentonite chips were used, were they hydrated with water from a known safe source		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A						
Required Method of Placing Sealing Material								
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped						
<input checked="" type="checkbox"/> Screened & Poured		<input type="checkbox"/> Other (Explain)						
		(Bentonite Chips)						
Sealing Materials								
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)						
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "						
<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips						
For Monitoring Wells and Monitoring Well Boreholes Only:								
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout						
<input checked="" type="checkbox"/> Granular Bentonite		<input checked="" 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	
Benontite				Surface	1.0	0.1		
6. Comments								
7. Supervision of Work						DNR Use Only		
Name of Person or Firm Doing Filling & Sealing The Sigma Group		License #		Date of Filling & Sealing (mm/dd/yyyy) 10/10/2019		Date Received	Noted By	
Street or Route 1300 West Canal Street		City Milwaukee		State WI		ZIP Code 53233		
				Telephone Number 4146434200		Comments		
				Signature of Person Doing Work 		Date Signed 10/22/2019		

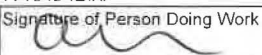


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Verification Only of Fill and Seal  
**SB-7**

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information				
County <u>Ozaukee</u>		WI Unique Well # of Removed Well		Hicap #		Facility Name <u>201 South Main Street</u>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)				
1/4 / 1/4		Section		Township		License/Permit/Monitoring #		
or Gov't Lot #		Range <input type="checkbox"/> E <input type="checkbox"/> W		Original Well Owner				
Well Street Address <u>201 South Main Street</u>				Present Well Owner				
Well City, Village or Town <u>Thiensville</u>		Well ZIP Code		Mailing Address of Present Owner				
Subdivision Name		Lot #		City of Present Owner		State	ZIP Code	
4. Pump, Liner, Screen, Casing & Sealing Material								
Reason For Removal From Service		WI Unique Well # of Replacement Well		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
				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 checked="" 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If yes, was hole retopped?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information								
<input type="checkbox"/> Monitoring Well		Original Construction Date						
<input type="checkbox"/> Water Well								
<input checked="" type="checkbox"/> Drillhole / Borehole		If a Well Construction Report is available, please attach.						
Construction Type:		<input checked="" type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug				
<input type="checkbox"/> Drilled								
<input type="checkbox"/> Other (Specify)								
Formation Type:		<input type="checkbox"/> Bedrock						
<input checked="" type="checkbox"/> Unconsolidated Formation								
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)						
Lower Drillhole Diameter (in.)		Casing Depth (ft.)						
<u>2.0</u>								
Was well annular space grouted?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown						
If yes, to what depth (feet)?		Depth to Water (feet)						
5. Material Used to Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	
Benontite				Surface	1.0	0.1		
6. Comments								
7. Supervision of Work				DNR Use Only				
Name of Person or Firm Doing Filling & Sealing <u>The Sigma Group</u>		License #	Date of Filling & Sealing (mm/dd/yyyy) <u>10/11/2019</u>	Date Received		Noted By		
Street or Route <u>1300 West Canal Street</u>		City <u>Milwaukee</u>	State <u>WI</u>	ZIP Code <u>53233</u>	Telephone Number <u>4146434200</u>		Comments	
				Signature of Person Doing Work 		Date Signed <u>10/22/2019</u>		

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Verification Only of Fill and Seal  
**SB-8/TW-4**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

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

County: Ozaukee      WI Unique Well # of Removed Well:      Hicap #:

Latitude / Longitude (Degrees and Minutes):      Method Code (see instructions):

1/4 / 1/4      1/4      Section      Township      Range  E  W  
or Gov't Lot #

Well Street Address: 201 South Main Street

Well City, Village or Town: Thiensville      Well ZIP Code:

Subdivision Name:      Lot #:

Reason For Removal From Service:      WI Unique Well # of Replacement Well:

Facility Name: 201 South Main Street

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner:      State:      ZIP Code:

**3. Well / Drillhole / Borehole Information**

Monitoring Well      Original Construction Date:

Water Well

Drillhole / Borehole      If a Well Construction Report is available, please attach.

Construction Type:  
 Drilled       Driven (Sandpoint)       Dug  
 Other (Specify):

Formation Type:  
 Unconsolidated Formation       Bedrock

Total Well Depth From Ground Surface (ft.):      Casing Diameter (in.):

Lower Drillhole Diameter (in.): 2.0      Casing Depth (ft.):

Was well annular space grouted?  Yes  No  Unknown  
If yes, to what depth (feet)?      Depth to Water (feet):

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

Pump and piping removed?  Yes  No  N/A

Liner(s) removed?  Yes  No  N/A

Screen removed?  Yes  No  N/A

Casing left in place?  Yes  No  N/A

Was casing cut off below surface?  Yes  No  N/A

Did sealing material rise to surface?  Yes  No  N/A

Did material settle after 24 hours?  Yes  No  N/A

If yes, was hole retopped?  Yes  No  N/A

If bentonite chips were used, were they hydrated with water from a known safe source?  Yes  No  N/A

Required Method of Placing Sealing Material:  
 Conductor Pipe-Gravity       Conductor Pipe-Pumped  
 Screened & Poured       Other (Explain):  
(Bentonite Chips)

Sealing Materials:  
 Neat Cement Grout       Clay-Sand Slurry (11 lb./gal. wt.)  
 Sand-Cement (Concrete) Grout       Bentonite-Sand Slurry " "  
 Concrete       Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:  
 Bentonite Chips       Bentonite - Cement Grout  
 Granular Bentonite       Bentonite - Sand Slurry

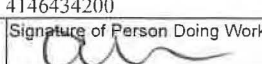
5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Benontite	Surface	15.0	0.5	

**6. Comments**

**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing: The Sigma Group      License #:      Date of Filling & Sealing (mm/dd/yyyy): 10/10/2019

Street or Route: 1300 West Canal Street      Telephone Number: 4146434200      Comments:

City: Milwaukee      State: WI      ZIP Code: 53233      Signature of Person Doing Work:       Date Signed: 10/21/2019

**DNR Use Only**

Date Received:      Noted By:



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, 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 this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal  
**SB-9**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

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

County Ozaukee		WI Unique Well # of Removed Well		Hicap #		Facility Name 201 South Main Street	
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)		License/Permit/Monitoring #	
1/4 / 1/4 or Gov't Lot #		Section		Township		Range <input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 201 South Main Street				Original Well Owner			
Well City, Village or Town Thiensville				Present Well Owner			
Subdivision Name				Mailing Address of Present Owner			
Reason For Removal From Service				Well ZIP Code			
WI Unique Well # of Replacement Well				City of Present Owner		State      ZIP Code	

**3. Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well		Original Construction Date	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Drillhole / Borehole			
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)	
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet)	

**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
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 checked="" 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured		<input type="checkbox"/> Other (Explain)	
(Bentonite Chips)			
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input checked="" type="checkbox"/> Granular Bentonite		<input checked="" 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
Bentonite	Surface	12.0	0.5	

**6. Comments**

**7. Supervision of Work**

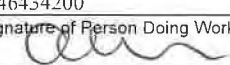
Name of Person or Firm Doing Filling & Sealing The Sigma Group		License #	Date of Filling & Sealing (mm/dd/yyyy) 10/11/2019	DNR Use Only Date Received		Noted By
Street or Route 1300 West Canal Street		State	Telephone Number 4146434200	Comments		
City Milwaukee	State WI	ZIP Code 53233	Signature of Person Doing Work <i>[Signature]</i>	Date Signed 10/22/2019		

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, 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 this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal  
**SB-10**

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information				
County <b>Ozaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>201 South Main Street</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)		License/Permit/Monitoring #		
1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner		
or Gov't Lot #				Present Well Owner				
Well Street Address <b>201 South Main Street</b>				Mailing Address of Present Owner				
Well City, Village or Town <b>Thiensville</b>		Well ZIP Code		City of Present Owner		State	ZIP Code	
Subdivision Name		Lot #						
4. Pump, Liner, Screen, Casing & Sealing Material								
Reason For Removal From Service		WI Unique Well # of Replacement Well		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
				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 checked="" 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If yes, was hole retopped?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If bentonite chips were used, were they hydrated with water from a known safe source		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information								
<input type="checkbox"/> Monitoring Well		Original Construction Date						
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.						
<input checked="" type="checkbox"/> Drillhole / Borehole								
Construction Type:								
<input type="checkbox"/> Drilled		<input checked="" type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug				
<input type="checkbox"/> Other (Specify)								
Formation Type:								
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock						
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)						
Lower Drillhole Diameter (in.)		Casing Depth (ft.)						
2.0								
Was well annular space grouted?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown						
If yes, to what depth (feet)?		Depth to Water (feet)						
5. Material Used to Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	
Benontite				Surface	14.0	0.5		
6. Comments								
7. Supervision of Work						DNR Use Only		
Name of Person or Firm Doing Filling & Sealing <b>The Sigma Group</b>		License #		Date of Filling & Sealing (mm/dd/yyyy) <b>10/11/2019</b>		Date Received	Noted By	
Street or Route <b>1300 West Canal Street</b>		City <b>Milwaukee</b>		Telephone Number <b>4146434200</b>		Comments		
State <b>WI</b>		ZIP Code <b>53233</b>		Signature of Person Doing Work 		Date Signed <b>10/22/2019</b>		



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Verification Only of Fill and Seal  
**SB-11**

Route to:

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

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

County Ozaukee	WI Unique Well # of Removed Well	Hicap #	Facility Name 201 South Main Street
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)	Facility ID (FID or PWS)
1/4 / 1/4	1/4	Section	License/Permit/Monitoring #
or Gov't Lot #		Township	Original Well Owner
Well Street Address 201 South Main Street		Range <input type="checkbox"/> E <input type="checkbox"/> W	Present Well Owner
Well City, Village or Town Thiensville	Well ZIP Code		Mailing Address of Present Owner
Subdivision Name	Lot #		City of Present Owner
			State
			ZIP Code

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

Reason For Removal From Service	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>3. Well / Drillhole / Borehole Information</b>		Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date	Screen 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.	Casing left in place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drillhole / Borehole		Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input checked="" type="checkbox"/> Driven (Sandpoint)	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Dug	If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material	
Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	<input checked="" type="checkbox"/> Screened & Poured	<input type="checkbox"/> Other (Explain)
2.0		(Bentonite Chips)	
Was well annular space grouted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Sealing Materials	
If yes, to what depth (feet)?	Depth to Water (feet)	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input checked="" type="checkbox"/> Granular Bentonite	<input checked="" 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
Bentonite	Surface	8.0	0.3	

**6. Comments**

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

Name of Person or Firm Doing Filling & Sealing The Sigma Group	License #	Date of Filling & Sealing (mm/dd/yyyy) 10/11/2019	Date Received	Noted By
Street or Route 1300 West Canal Street		Telephone Number 4146434200	Comments	
City Milwaukee	State WI	ZIP Code 53233	Signature of Person Doing Work 	Date Signed 10/22/2019



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Verification Only of Fill and Seal  
**SB-12**

Route to:

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other

1. Well Location Information				2. Facility / Owner Information				
County <b>Ozaukee</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>201 South Main Street</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)		License/Permit/Monitoring #		
1/4 1/4 or Gov't Lot #		Section	Township	Range <input type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner			
Well Street Address <b>201 South Main Street</b>				Present Well Owner				
Well City, Village or Town <b>Thiensville</b>		Well ZIP Code		Mailing Address of Present Owner				
Subdivision Name		Lot #		City of Present Owner		State	ZIP Code	
4. Pump, Liner, Screen, Casing & Sealing Material								
Reason For Removal From Service		WI Unique Well # of Replacement Well		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
				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 checked="" 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If yes, was hole retopped?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
				If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information								
<input type="checkbox"/> Monitoring Well		Original Construction Date						
<input type="checkbox"/> Water Well								
<input checked="" type="checkbox"/> Drillhole / Borehole		If a Well Construction Report is available, please attach.						
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____								
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock								
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)		Required Method of Placing Sealing Material				
				<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped		
				<input checked="" type="checkbox"/> Screened & Poured		<input type="checkbox"/> Other (Explain)		
				<b>(Bentonite Chips)</b>				
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		Sealing Materials				
2.0				<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		
				<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry "		
				<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips		
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet)		For Monitoring Wells and Monitoring Well Boreholes Only:				
If yes, to what depth (feet)?				<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout		
				<input checked="" type="checkbox"/> Granular Bentonite		<input checked="" 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	
Bentonite				Surface	9.0	0.3		
6. Comments								
7. Supervision of Work				DNR Use Only				
Name of Person or Firm Doing Filling & Sealing <b>The Sigma Group</b>		License #		Date of Filling & Sealing (mm/dd/yyyy) 10/11/2019		Date Received		
Street or Route 1300 West Canal Street		City Milwaukee		Telephone Number 4146434200		Comments		
State WI		ZIP Code 53233		Signature of Person Doing Work 		Date Signed 10/22/2019		

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Verification Only of Fill and Seal  
**SB-13**

Route to:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other

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

County Ozaukee	WI Unique Well # of Removed Well	Hicap #	Facility Name 201 South Main Street
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W	Method Code (see instructions)		Facility ID (FID or PWS)
1/4 / 1/4	Section	Township	License/Permit/Monitoring #
or Gov't Lot #		Range <input type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner
Well Street Address 201 South Main Street			Present Well Owner
Well City, Village or Town Thiensville		Well ZIP Code	Mailing Address of Present Owner
Subdivision Name		Lot #	City of Present Owner      State      ZIP Code

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

Reason For Removal From Service	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>3. Well / Drillhole / Borehole Information</b>		Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date	Screen 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.	Casing left in place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drillhole / Borehole		Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input checked="" type="checkbox"/> Driven (Sandpoint)	Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Dug	If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material	
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	<input checked="" type="checkbox"/> Screened & Poured	<input type="checkbox"/> Other (Explain)
2.0		<b>(Bentonite Chips)</b>	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet)	Sealing Materials	
If yes, to what depth (feet)?		<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:			
		<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input checked="" type="checkbox"/> Granular Bentonite	<input checked="" 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
Benontite	Surface	9.0	0.3	

**6. Comments**

**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing The Sigma Group			License #		Date of Filling & Sealing (mm/dd/yyyy) 10/10/2019		DNR Use Only	
Street or Route 1300 West Canal Street			City Milwaukee		Telephone Number 4146434200		Date Received Noted By	
State WI			ZIP Code 53233		Signature of Person Doing Work 		Date Signed 10/22/2019	
							Comments	



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

**MONITORING WELL CONSTRUCTION**  
Form 4400-113A Rev. 7-98

Facility/Project Name 201 South Main Street	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 TW-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ ' _____ " Long. _____ ' _____ " or	Wis. Unique Well No. _____ DNR Well Number _____
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N _____	Date Well Installed 10/10/2019
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 22 T 9 N, R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Mike Murray The Sigma Group
Distance from Waste/Source 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	Gov. Lot Number _____

- A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL
- B. Well casing, top elevation \_\_\_\_\_ ft. MSL
- C. Land surface elevation \_\_\_\_\_ ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

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

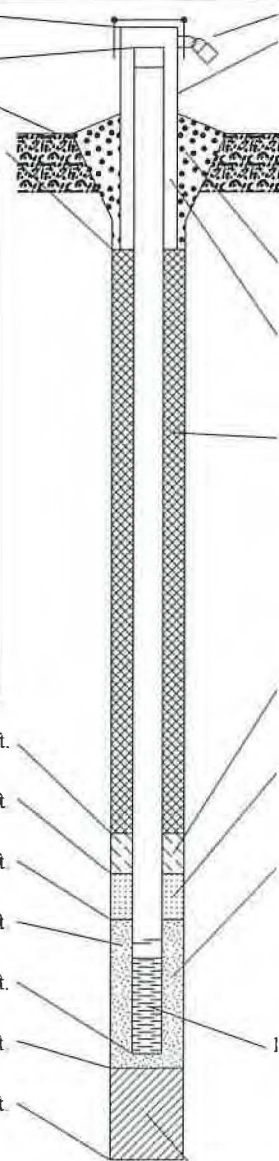
13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 GP  Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

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: \_\_\_\_\_ in.
  - b. Length: \_\_\_\_\_ ft.
  - c. Material: Steel  0 4  
Other
  - d. Additional protection?  Yes  No  
If yes, describe \_\_\_\_\_
- 3. Surface seal: Bentonite  3 0  
Concrete  0 1  
Other
- 4. Material between well casing and protective pipe: Bentonite  3 0  
Other
- 5. Annular space seal: a Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ 1 \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
Tremie pumped  0 2  
Gravity  0 8
- 6. Bentonite seal: a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Sand \_\_\_\_\_  
 b. Volume added 0.24 ft<sup>3</sup>
- 9 Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other
- 10. Screen material: PVC  
 a. Screen Type: Factory cut  1 1  
 Continuous slot  0 1  
 Other
- b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.010 in  
 d. Slotted length: 10.0 ft
- 11. Backfill material (below filter pack) None  1 4  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 0.0 ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top \_\_\_\_\_ ft. MSL or 4.0 ft.
- H. Screen joint, top \_\_\_\_\_ ft. MSL or 5.0 ft.
- I. Well bottom \_\_\_\_\_ ft. MSL or 15.0 ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 15.0 ft.
- K. Borehole, bottom \_\_\_\_\_ ft. MSL or 15.0 ft.
- L. Borehole, diameter 2.0 in
- M. O.D. well casing 1.00 in.
- N. I.D. well casing 1.00 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature \_\_\_\_\_ Firm The Sigma Group  
 1300 W Canal St Milwaukee, WI 53233  
 Tel: 414-643-4200 Fax: 414-643-4210

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

**MONITORING WELL CONSTRUCTION**  
Form 4400-113A Rev. 7-98

Facility/Project Name 201 South Main Street	Local Grid Location of Well ft. <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W		Well Name TW-2
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. " ' " Long. " ' " or		Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed 10/10/2019
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec 22, T. 9 N, R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Mike Murray The Sigma Group
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	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	Gov. Lot Number

- A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL
- B. Well casing, top elevation \_\_\_\_\_ ft. MSL
- C. Land surface elevation \_\_\_\_\_ ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

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

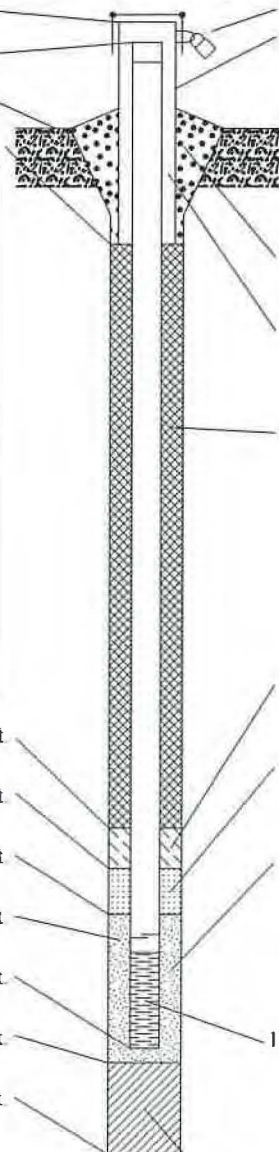
13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 GP \_\_\_\_\_ Other  \_ \_

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

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: \_\_\_\_\_ in.
  - b. Length: \_\_\_\_\_ ft.
  - c. Material: Steel  0 4  
Other  \_ \_
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  3 0  
Concrete  0 1  
Other  \_ \_
- 4. Material between well casing and protective pipe: Bentonite  3 0  
Other  \_ \_
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  3 3
  - b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5
  - c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1
  - d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0
  - e. \_\_\_\_\_ I \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  0 1  
Tremie pumped  0 2  
Gravity  0 8
- 6. Bentonite seal:
  - a. Bentonite granules  3 3
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2
  - c. \_\_\_\_\_ Other  \_ \_
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Sand \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other  \_ \_
- 10. Screen material: PVC  
 a. Screen Type: Factory cut  1 1  
 Continuous slot  0 1  
 Other  \_ \_  
 b. Manufacturer \_\_\_\_\_  
 c. Slot size: \_\_\_\_\_ 0.010 in  
 d. Slotted length: \_\_\_\_\_ 10.0 ft
- 11. Backfill material (below filter pack) None  1 4  
 Other  \_ \_

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or 0.0 ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top \_\_\_\_\_ ft. MSL or 3.0 ft.
- H. Screen joint, top \_\_\_\_\_ ft. MSL or 4.0 ft.
- I. Well bottom \_\_\_\_\_ ft. MSL or 14.0 ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or 14.0 ft.
- K. Borehole, bottom \_\_\_\_\_ ft. MSL or 14.0 ft.
- L. Borehole, diameter 2.0 in.
- M. O.D. well casing 1.00 in.
- N. I.D. well casing 1.00 in.

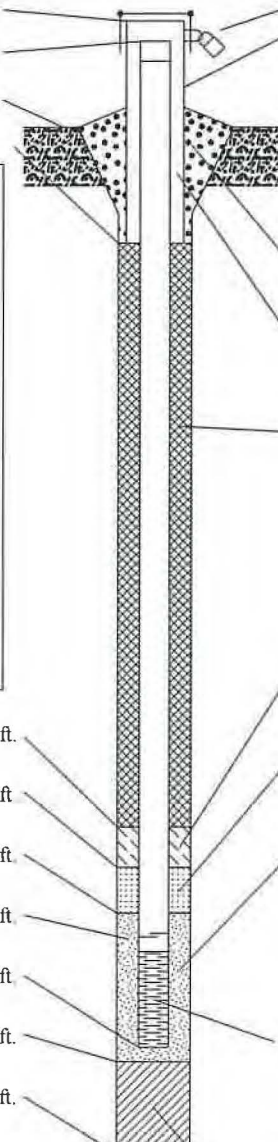
I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature \_\_\_\_\_ Firm The Sigma Group  
 1300 W Canal St Milwaukee, WI 53233  
 Tel: 414-643-4200 Fax: 414-643-4210

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.

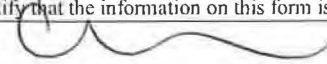


Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name 201 South Main Street	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name TW-3
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. _____ Long. _____ or	Wis. Unique Well No. _____ DNR Well Number _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 10/10/2019
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 22 T. 9 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Mike Murray The Sigma Group
Distance from Waste/Source 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	Gov. Lot Number _____

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS 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 checked="" type="checkbox"/>                  SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>                  Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0                  Hollow Stem Auger <input type="checkbox"/> 4 1                  GP _____ Other <input checked="" type="checkbox"/> _ _</p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1                  Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or 0.0 ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or 4.0 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 5.0 ft.</p> <p>I. Well bottom _____ ft. MSL or 15.0 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 15.0 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 15.0 ft.</p> <p>L. Borehole, diameter 2.0 in</p> <p>M. O.D. well casing 1.00 in</p> <p>N. I.D. well casing 1.00 in</p>	 <p>1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe:                  a. Inside diameter: _____ in.                  b. Length: _____ ft.                  c. Material: Steel <input type="checkbox"/> 0 4                  Other <input checked="" type="checkbox"/> _ _                  d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0                  Concrete <input type="checkbox"/> 0 1                  Other <input type="checkbox"/> _ _</p> <p>4. Material between well casing and protective pipe:                  Bentonite <input type="checkbox"/> 3 0                  Other <input checked="" type="checkbox"/> _ _</p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3                  b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5                  c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1                  d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0                  e. _____ 1 _____ Ft<sup>3</sup> volume added for any of the above                  f. How installed: Tremie <input type="checkbox"/> 0 1                  Tremie pumped <input type="checkbox"/> 0 2                  Gravity <input type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3                  b. <input type="checkbox"/> 1/4 in <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2                  c. _____ Other <input type="checkbox"/> _ _</p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size                  a. _____                  b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material Manufacturer, product name &amp; mesh size                  a. Sand _____                  b. Volume added 0.24 ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3                  Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4                  Other <input type="checkbox"/> _ _</p> <p>10. Screen material PVC                  a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1                  Continuous slot <input type="checkbox"/> 0 1                  Other <input type="checkbox"/> _ _                  b. Manufacturer _____                  c. Slot size: 0.010 in                  d. Slotted length: 10.0 ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 1 4                  Other <input checked="" type="checkbox"/> _ _</p>
--	--

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

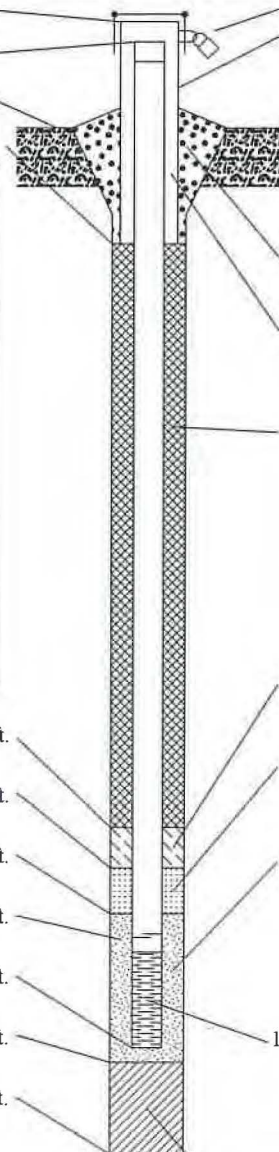
Signature  Firm The Sigma Group  
1300 W Canal St Milwaukee, WI 53233  
Tel: 414-643-4200 Fax: 414-643-4210

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

Facility/Project Name 201 South Main Street	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name TW-4
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. " ' " Long. " ' " or	Wis. Unique Well No. DNR Well Number
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 10/10/2019
Type of Well Well Code 11/mw	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 22, T. 9 N, R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Mike Murray The Sigma Group
Distance from Waste/Source ft. <input type="checkbox"/> Apply <input type="checkbox"/>	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	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input 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 checked="" type="checkbox"/> __
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/> __
12. USCS 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 checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/> __
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a Granular/Chipped 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. _____ 1 _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 GP Other <input checked="" type="checkbox"/> __	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
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	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 chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/> __
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): _____	8. Filter pack material: Manufacturer, product name & mesh size a. Sand _____ b. Volume added 0.24 ft <sup>3</sup>
E. Bentonite seal, top _____ ft. MSL or 0.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> __
F. Fine sand, top _____ ft. MSL or _____ ft.	10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> __
G. Filter pack, top _____ ft. MSL or 4.0 ft.	b. Manufacturer _____ c. Slot size: 0.010 in
H. Screen joint, top _____ ft. MSL or 5.0 ft.	d. Slotted length: 10.0 ft
I. Well bottom _____ ft. MSL or 15.0 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/> __
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.	
K. Borehole, bottom _____ ft. MSL or 15.0 ft.	
L. Borehole, diameter 2.0 in.	
M. O.D. well casing 1.00 in.	
N. I.D. well casing 1.00 in.	



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

Signature \_\_\_\_\_ Firm The Sigma Group  
1300 W Canal St Milwaukee, WI 53233  
Tel: 414-643-4200 Fax: 414-643-4210

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**APPENDIX B**

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY**

# Synergy Environmental Lab, INC.

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

TIM WIMMER  
THE SIGMA GROUP, INC.  
1300 W. CANAL STREET  
MILWAUKEE, WI 53233

Report Date 17-Oct-19

Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951A  
Sample ID SB-1/TW-1 6-8  
Sample Matrix Soil  
Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.3	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	0.48	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	1.26	mg/kg	0.04	0.13	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1



Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951A  
 Sample ID SB-1/TW-1 6-8  
 Sample Matrix Soil  
 Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/16/2019	CJR	1
Ethylbenzene	0.228	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	0.79	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	0.044 "J"	mg/kg	0.029	0.093	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/16/2019	CJR	1
Naphthalene	0.66	mg/kg	0.094	0.3	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	3.2	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		10/16/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951B  
 Sample ID SB-2 6-8  
 Sample Matrix Soil  
 Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.4	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/16/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/16/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/16/2019	CJR	1

Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951B  
Sample ID SB-2 6-8  
Sample Matrix Soil  
Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951C  
**Sample ID** SB-3/TW-2 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/16/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/16/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/16/2019	CJR	1



**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951C  
**Sample ID** SB-3/TW-2 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	<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>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951D  
**Sample ID** SB-4 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.4	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/16/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/16/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951D  
**Sample ID** SB-4 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	<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>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951E  
**Sample ID** SB-5/TW-3 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.9	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1



Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951E  
Sample ID SB-5/TW-3 6-8  
Sample Matrix Soil  
Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951F  
**Sample ID** SB-6 1  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.8	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	5.4	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951F  
**Sample ID** SB-6 1  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	<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>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951G  
 Sample ID SB-7 1  
 Sample Matrix Soil  
 Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.9	%			1	5021		10/14/2019	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	0.039 "J"	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1



**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951G  
**Sample ID** SB-7 1  
**Sample Matrix** Soil  
**Sample Date** 10/11/2019

	<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>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	103	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951H  
**Sample ID** SB-8/TW-4 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.8	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951H  
 Sample ID SB-8/TW-4 6-8  
 Sample Matrix Soil  
 Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951I  
 Sample ID SB-9 6-8  
 Sample Matrix Soil  
 Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.7	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1



Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951I  
 Sample ID SB-9 6-8  
 Sample Matrix Soil  
 Sample Date 10/10/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	93	Rec %			1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951J  
**Sample ID** SB-10 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	0.0087 "J"	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951J  
 Sample ID SB-10 6-8  
 Sample Matrix Soil  
 Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951K  
 Sample ID SB-11 6-8  
 Sample Matrix Soil  
 Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.8	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1



Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951K  
Sample ID SB-11 6-8  
Sample Matrix Soil  
Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951L  
**Sample ID** SB-12 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.5	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951L  
Sample ID SB-12 6-8  
Sample Matrix Soil  
Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/17/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951M  
**Sample ID** SB-13 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%			1	5021		10/14/2019	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0163	mg/kg	0.0163	0.054	1	M8270C	10/14/2019	10/15/2019	NJC	1
Acenaphthylene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Anthracene	< 0.0043	mg/kg	0.0043	0.014	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)anthracene	< 0.016	mg/kg	0.016	0.053	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(a)pyrene	< 0.0124	mg/kg	0.0124	0.041	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(b)fluoranthene	< 0.0109	mg/kg	0.0109	0.036	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(g,h,i)perylene	< 0.0084	mg/kg	0.0084	0.028	1	M8270C	10/14/2019	10/15/2019	NJC	1
Benzo(k)fluoranthene	< 0.0091	mg/kg	0.0091	0.03	1	M8270C	10/14/2019	10/15/2019	NJC	1
Chrysene	< 0.006	mg/kg	0.006	0.02	1	M8270C	10/14/2019	10/15/2019	NJC	1
Dibenzo(a,h)anthracene	< 0.0101	mg/kg	0.0101	0.034	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluoranthene	< 0.0054	mg/kg	0.0054	0.018	1	M8270C	10/14/2019	10/15/2019	NJC	1
Fluorene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0082	mg/kg	0.0082	0.027	1	M8270C	10/14/2019	10/15/2019	NJC	1
1-Methyl naphthalene	< 0.0086	mg/kg	0.0086	0.029	1	M8270C	10/14/2019	10/15/2019	NJC	1
2-Methyl naphthalene	< 0.0147	mg/kg	0.0147	0.049	1	M8270C	10/14/2019	10/15/2019	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	10/14/2019	10/15/2019	NJC	1
Phenanthrene	< 0.0071	mg/kg	0.0071	0.024	1	M8270C	10/14/2019	10/15/2019	NJC	1
Pyrene	< 0.0067	mg/kg	0.0067	0.022	1	M8270C	10/14/2019	10/15/2019	NJC	1
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/17/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/17/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/17/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/17/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/17/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/17/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/17/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/17/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/17/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/17/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/17/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/17/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/17/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/17/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/17/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/17/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/17/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/17/2019	CJR	1



**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36951

**Lab Code** 5036951M  
**Sample ID** SB-13 6-8  
**Sample Matrix** Soil  
**Sample Date** 10/11/2019

	<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>
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/17/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/17/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/17/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/17/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/17/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/17/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/17/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/17/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/17/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/17/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/17/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/17/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/17/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/17/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/17/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/17/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/17/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/17/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/17/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/17/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/17/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Dibromofluoromethane	91	Rec %			1	8260B		10/17/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B		10/17/2019	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		10/17/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36951

Lab Code 5036951N  
 Sample ID TRIP BLANK  
 Sample Matrix Soil  
 Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		10/16/2019	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		10/16/2019	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		10/16/2019	CJR	1

Project Name THIENSVILLE  
Project # 18820

Invoice # E36951

Lab Code 5036951N  
Sample ID TRIP BLANK  
Sample Matrix Soil  
Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	94	Rec %			1	8260B		10/16/2019	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.twcabc.com

### Sample Handling Request

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

Lab I.D. #  
 QUOTE # :  
 Project #: 1E820  
 Sampler: (signature) *Oliver*

Project (Name / Location): Thiensville  
 Reports To: Tim Wimmer  
 Company: the Signe Group  
 Address: 1300 N Canal St.  
 City State Zip: Milwaukee WI 53233  
 Phone: 414 643 4200  
 Email: twimmer@thesigne.com

Invoice To:  
 Company:  
 Address:  
 City State Zip:  
 Phone:  
 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		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
		Date	Time				
5036751M	SB-13(6-8)	10/11	245	N	2	S	

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: GC  
 Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice: X  
 Cooler seal intact upon receipt: X Yes \_\_\_ No

Relinquished By: (sign) *Oliver* Time 200 Date 10/11/19  
 Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Received in Laboratory By: *Ch...* Time: 10:00 Date: 10/12/19



# Synergy Environmental Lab, INC

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

TIM WIMMER  
THE SIGMA GROUP, INC.  
1300 W. CANAL STREET  
MILWAUKEE, WI 53233

Report Date 16-Oct-19

Project Name THIENSVILLE  
Project # 18820

Invoice # E36950

Lab Code 5036950A  
Sample ID TW-1  
Sample Matrix Water  
Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	1.07	ug/l	0.22	0.71	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	0.35 "J"	ug/l	0.25	0.8	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	28.6	ug/l	0.79	2.53	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	61	ug/l	0.71	2.25	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	0.4 "J"	ug/l	0.25	0.78	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950A  
**Sample ID** TW-1  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/16/2019	CJR	1
Ethylbenzene	60	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	73	ug/l	0.78	2.47	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	2.56	ug/l	0.24	0.76	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2019	CJR	1
Naphthalene	102	ug/l	2.1	6.65	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	199	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		10/16/2019	CJR	1
Toluene	0.75	ug/l	0.19	0.6	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		10/16/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	1.1 "J"	ug/l	0.8	2.55	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2019	CJR	1
m&p-Xylene	3.05	ug/l	0.43	1.38	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950B  
**Sample ID** TW-2  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.22 "J"	ug/l	0.22	0.71	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/16/2019	CJR	1
Ethylbenzene	5.2	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	0.25 "J"	ug/l	0.24	0.76	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		10/16/2019	CJR	1
Toluene	2.66	ug/l	0.19	0.6	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950B  
**Sample ID** TW-2  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	<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>
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2019	CJR	1
m&p-Xylene	16.4	ug/l	0.43	1.38	1	8260B		10/16/2019	CJR	1
o-Xylene	6.2	ug/l	0.29	0.93	1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		10/16/2019	CJR	1



**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950C  
**Sample ID** TW-3  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.43 "J"	ug/l	0.22	0.71	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/16/2019	CJR	1
Ethylbenzene	0.28 "J"	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		10/16/2019	CJR	1
Toluene	0.79	ug/l	0.19	0.6	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950C  
**Sample ID** TW-3  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	<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>
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2019	CJR	1
m&p-Xylene	0.48 "J"	ug/l	0.43	1.38	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/16/2019	CJR	1

Project Name THIENSVILLE  
 Project # 18820

Invoice # E36950

Lab Code 5036950D  
 Sample ID TW-4  
 Sample Matrix Water  
 Sample Date 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		10/16/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		10/16/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		10/16/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		10/16/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		10/16/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		10/16/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		10/16/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		10/16/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		10/16/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		10/16/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		10/16/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		10/16/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		10/16/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		10/16/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		10/16/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		10/16/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		10/16/2019	CJR	1
cis-1,2-Dichloroethene	0.62 "J"	ug/l	0.37	1.16	1	8260B		10/16/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		10/16/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		10/16/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		10/16/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		10/16/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		10/16/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/16/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		10/16/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		10/16/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		10/16/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		10/16/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		10/16/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		10/16/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/16/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		10/16/2019	CJR	1
Tetrachloroethene	1.51	ug/l	0.38	1.21	1	8260B		10/16/2019	CJR	1
Toluene	0.28 "J"	ug/l	0.19	0.6	1	8260B		10/16/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		10/16/2019	CJR	1

**Project Name** THIENSVILLE  
**Project #** 18820

**Invoice #** E36950

**Lab Code** 5036950D  
**Sample ID** TW-4  
**Sample Matrix** Water  
**Sample Date** 10/11/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		10/16/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		10/16/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		10/16/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		10/16/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		10/16/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		10/16/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		10/16/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		10/16/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/16/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		10/16/2019	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/16/2019	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**





**APPENDIX C**

**NOTIFICATION OF HAZROUS SUBSTANCE DISCHARGE**

**Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003**

**Notice: Hazardous substance discharges must be reported immediately** according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (**check one**):

- Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- Aboveground Petroleum Storage Tank System
- Dry Cleaner Facility
- Other - Describe: \_\_\_\_\_

ATTN DNR: **R & R Program Associate**

Date DNR Notified:

1. Discharge Reported By		
Name	Firm	Phone Number (include area code)
Mailing Address		Email

**2. Site Information**  
Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

County	Legal Description: ¼ of ¼ Section _____, Town _____ N, Range _____ <input type="radio"/> E <input type="radio"/> W	WTM: X Y
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**3. Responsible Party (RP) and/or RP Representative**  
Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

A local governmental unit claiming an exemption from state Spill Law and Solid Waste Management responsibilities for the discharge being reported, per Wis. Stat. §§ 292.11(9)(e) and 292.23, should: 1) check this box; 2) review [DNR publication RR-055](#); and 3) provide documentation to DNR that demonstrates compliance with the statutory requirements of the liability exemptions. Local governmental units may also request a fee-based liability clarification letter from DNR by using [DNR Form 4400-237](#).

Contact Person Name (if different)	Phone Number	Email		
Mailing Address		City	State	ZIP Code

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email		
Mailing Address		City	State	ZIP Code

(continued)

# Notification For Hazardous Substance Discharge (Non-Emergency Only)

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## 4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> VOCs              | (VOCs continued)                                | <input type="checkbox"/> Metals                      |
| <input type="checkbox"/> PCE               | <input type="checkbox"/> Mineral Oil            | <input type="checkbox"/> Arsenic                     |
| <input type="checkbox"/> TCE               | <input type="checkbox"/> Waste Oil              | <input type="checkbox"/> Chromium                    |
| <input type="checkbox"/> Other Chlorinated | <input type="checkbox"/> Petroleum-Unknown Type | <input type="checkbox"/> Lead                        |
| <input type="checkbox"/> Diesel            | <input type="checkbox"/> PAHs                   | <input type="checkbox"/> Other: _____                |
| <input type="checkbox"/> Fuel Oil          | <input type="checkbox"/> PCBs                   | <input type="checkbox"/> Pesticides: _____           |
| <input type="checkbox"/> Gasoline          | <input type="checkbox"/> Cyanide                | <input type="checkbox"/> Fertilizer: _____           |
| <input type="checkbox"/> Hydraulic Oil     | <input type="checkbox"/> Leachate               | <input type="checkbox"/> RCRA Hazardous Waste: _____ |
| <input type="checkbox"/> Jet Fuel          | <input type="checkbox"/> Manure                 | <input type="checkbox"/> Other: _____                |
|  |   | <input type="checkbox"/> Unknown                     |

## 5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Air Contamination                       | <input type="checkbox"/> Fire Explosion Threat        | <input type="checkbox"/> Soil Contamination            |
| <input type="checkbox"/> Co-mingled (Petroleum & Non-Petroleum)  | <input type="checkbox"/> Free Product                 | <input type="checkbox"/> Soil Gas Contamination        |
| <input type="checkbox"/> Contamination in Fractured Bedrock      | <input type="checkbox"/> Groundwater Contamination    | <input type="checkbox"/> Sub-slab Vapor Contamination  |
| <input type="checkbox"/> Contamination Within 1 Meter of Bedrock | <input type="checkbox"/> Off-Site Contamination       | <input type="checkbox"/> Surface Water Contamination   |
| <input type="checkbox"/> Contaminated Private Well               | <input type="checkbox"/> Sanitary Sewer Contamination | <input type="checkbox"/> Within 100 ft of Private Well |
| <input type="checkbox"/> Contaminated Public Well                | <input type="checkbox"/> Storm Sewer Contamination    | <input type="checkbox"/> Within 1000 ft of Public Well |
| <input type="checkbox"/> Contamination in Right of Way           | <input type="checkbox"/> Sediment Contamination       |  |
|  | Other (specify): _____                                |  |

Contamination was discovered as a result of:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Tank closure assessment | <input type="checkbox"/> Site assessment | <input type="checkbox"/> Other - Describe: _____ |
| Date <input type="text"/>                        | Date <input type="text"/>                | Date <input type="text"/>                        |

Lab results:  Lab results will be faxed upon receipt  Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

## 6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

	Source	Cause
For all confirmed releases from USTs occurring after 9/30/2007 please provide the following information:	<input type="checkbox"/> Tank	<input type="checkbox"/> Spill
	<input type="checkbox"/> Piping	<input type="checkbox"/> Overfill
	<input type="checkbox"/> Dispenser	<input type="checkbox"/> Corrosion
	<input type="checkbox"/> Submersible Turbine Pump	<input type="checkbox"/> Physical or Mechanical Damage
	<input type="checkbox"/> Delivery Problem	<input type="checkbox"/> Installation Problem
		<input type="checkbox"/> Other (does not fit any of above)
<input type="checkbox"/> Does not apply.	<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

**Northeast Region (FAX: 920-662-5413); Attention -- R&R Program Associate:** DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac (except City of Waupun - see South Central Region), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

**Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate:** DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

**South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate:** DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

**Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate:** DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

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**West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: [DNRRRWCR@wisconsin.gov](mailto:DNRRRWCR@wisconsin.gov)**

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties