REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

June 16, 2016

Wisconsin Department of Natural Resources
Attn: John Sager
1701 N. 4th Street
Superior, WI 54880

Subject:

Site Update – Site Investigation
Wagner Oil Company – Gasoline Spill
US HWY 45, Town of Rolling, WI
SERTS# 20160312NO34-1

Dear Mr. Sager,

The purpose of this correspondence is to provide an update regarding site investigation activities conducted at the above referenced site. The site location of the Wagner Oil Company US Highway 45 Gasoline Spill is shown on Figure 1.

BACKGROUND

On the morning of March 12, 2016, a Wagner Oil Company tanker truck traveling northbound, lost control and rolled over on US Highway 45 puncturing the tanker in the process. The truck was transporting gasoline and 1,787 gallons were released to the environment. Multiple agencies responded to the rollover accident, including the Oneida County Hazmat Team. REI Engineering was contracted to respond to the release. The gasoline released from the tanker travelled east off of the road pavement and into the ditch traveling to the northeast where it terminated in the adjacent wetland area. All released material appears to be contained entirely within the DOT right-of-way. The focus of the response efforts on Day 1, March 12, 2016, was to clear the roadway, contain and secure the released product in the ditch and wetland area.

REI responded to the scene the following five (5) days (March 13 – 17, 2016) in order to address the released material through the deployment and containment of absorbent materials and the use of vacuum trucks.

On Monday, March 21, 2016 through Wednesday March 23, 2016, REI coordinated and provided oversight of an excavation of impacted soil in the ditch and wetland area along US Highway 45. The excavation footprint was limited to the west by US Highway 45 roadway and to the east by buried underground utilities. The excavation footprint, except for the wetland area, was backfilled with granular material. The site was restored with topsoil, seeded, and erosion control matting. Silt fence was also installed along the west side of the wetland area.

In total, twenty-nine (29) drums of gasoline impacted absorbents were removed and disposed of by Advanced Waste Disposal, 14,800 gallons of gasoline impacted water was recovered and disposed of by Advanced Waste Disposal, two (2) drums of diesel fuel were disposed of by Rock Oil Refining, Inc., and 670.18 tons of gasoline impacted soil was disposed of at Lincoln County Landfill biopile. Upon completion of the excavation, REI submitted an Emergency Response Report summarizing the response efforts dated May 10, 2016.

On May 12, 2016, REI submitted a Site Investigation Proposal to the WDNR after discussions with Mr. John Sager, WDNR Northern Region Spills Coordinator, regarding next steps to address the release.

SUMMARY OF FIELDWORK

On Wednesday May 25, 2016, REI mobilized to the site with Geiss Soil & Services, LLC, Merrill, WI to advance seventeen (17) hydraulic direct push borings (Borings B1 through B17) to collect soil and groundwater samples to define the degree and extent of soil and groundwater contamination. Borings were advanced to depths ranging from eight (8) to twelve (12) feet below land surface (bls). A maximum of two (2) soil samples were collected from each boring and groundwater samples were collected from select borings and submitted for laboratory analysis of Petroleum Volatile Organic Compounds (PVOCs) and Naphthalene. All groundwater samples collected on May 25, 2016 were from the open boreholes. The following borings were converted to temporary one-inch PVC wells after sampling including B2/TW1, B4/TW2, B7/TW3, B10/TW4, and B14/TW5 for future sampling and collection of elevation data. A surface water sample was also collected from the pond (near the southwest corner). Soil and groundwater samples were analyzed at Pace Analytical in Green Bay, WI. Boring locations are depicted in the attached Figure 3.

SOIL ANALYTICAL RESULTS

Soil sample B6 @ 10-12' bls exceeded the Non-Industrial Not-to-Exceed Direct Contact (DC) Residual Contaminant Level for benzene, ethylbenzene, total xylenes, 1,2,4- trimethylbenzene, and naphthalene. The sample also exceeded the NR 140 Groundwater Pathway Protection standard for toluene, methyl tert-butyl ether, and total trimethylbenzenes.

Soil sample B9 @ 2-4' bls exceeded the Non-Industrial Not-to-Exceed DC RCL for benzene and ethylbenzene and exceeded the NR 140 Groundwater Pathway Protection standard for toluene, total xylenes, methyl tert-butyl ether, total trimethylbenzenes, and naphthalene.

Soil sample B9 @ 4-6' bls exceeded the Non-Industrial Not-to-Exceed DC RCL for benzene and exceeded the NR 140 Groundwater Pathway Protection standard for ethylbenzene, toluene, total xylenes, methyl tert-butyl ether, total trimethylbenzenes, and naphthalene.

Soil sample B11 @ 4-6' bls exceeded the Non-Industrial Not-to-Exceed DC RCL for benzene and exceed the NR 140 Groundwater Pathway Protection standard for ethylbenzene, toluene, total xylenes, and total trimethylbenzenes.

Soil sample B11 @ 2-4' bls exceeded the NR 140 Groundwater Pathway Protection standard for benzene and toluene.

Soil sample B15 @ 8-10' bls exceeded the NR 140 Groundwater Pathway Protection standard for benzene.

Low level detections were also identified in B2 @ 10-12' bls, B5 @ 10-12' bls, and B10 @ 2-4' bls. However, none of these detections exceeded any of the enforcement limits.

All soil samples were field screened using a Photoionization Detector (PID) for the presence of organic vapors. This also aided in directing the locations of the borings. PID readings and soil analytical results are summarized in the Table 4a and Table 4b (see attached). The extent of soil contamination is depicted in the attached Figure 4. Complete laboratory analytical results are also attached as Attachment D.

GROUNDWATER ANALYTICAL RESULTS

All groundwater samples were collected from the open boreholes of the borings advanced on May 25, 2016. Select borings were converted to temporary wells after sampling. The groundwater sample collected from the open borehole of B5 exceeded the NR 140 Enforcement Standard (ES) for benzene, ethylbenzene, toluene and total xylenes. The sample also exceeded the NR 140 Preventive Action Limit (PAL) for total trimethylbenzenes and naphthalene.

Groundwater sample collected from the open borehole B7/TW3 exceeded the NR 140 PAL for benzene. The groundwater sample collected from the open borehole B8 exceeded the NR 140 ES for benzene.

The groundwater sample collected from the open borehole of B9 exceeded the NR 140 ES for benzene, ethylbenzene, toluene, total xylenes, total trimethylbenzenes, and naphthalene.

The groundwater sample collected from the open borehole B10/TW4 exceeded the NR 140 PAL for benzene. However, the sample result was also flagged as a 'J' qualifier, which designates the sample result as an estimated concentration at or above the limit of detection and below the limit of quantitation.

The groundwater sample collected from the open borehole B12 exceeded the NR 140 ES for benzene and toluene. The samples collected from the open boreholes B13, B14/TW5, and B15 exceeded the NR 140 ES for benzene.

The groundwater sample collected from the open borehole B16 exceeded NR 140 ES for benzene, ethylbenzene, toluene, total xylenes, total trimethylbenzenes, and naphthalene.

When the surface water sample was compared to the NR 140 standards it also exceeded the ES for benzene.

Groundwater analytical results are summarized in the attached Table 5. The NR 140 exceedance plume is shown in the attached Figure 5. Complete laboratory analytical results are also attached as Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

The soil analytical data collected from the direct push hydraulic borings and the confirmation soil samples from the excavation has defined the degree and extent of soil contamination at the site. The area of contamination is concentrated around the side walls on the west and east sides of the excavation trench that was bound by the US Highway 45 roadway and buried utilities. In addition, the area of contamination extends on the south side of the wetland area to the east (see Figure 4).

The groundwater samples collected from the open boreholes were helpful in determining the degree of contamination present in and around the area of the release. No detections were identified on the west side of US Highway 45 and the extent of the groundwater contamination plume that exceeds the NR 140 ES is expected to extend under roadway to the west. Benzene levels were identified as decreasing to the east and north. No groundwater flow direction data is available at this time, but based on the reduced levels to the east and north, it is expected to be flowing that direction.

After review of groundwater contaminant levels, REI recommends installation of three (3) additional temporary wells with two (2) wells to be placed on the north side of the wetland area pond and one (1) placed on the east side of the wetland area pond.

Based on the geological conditions (sands and gravels), shallow depth to groundwater, soil and groundwater contaminant levels identified (observed free floating product on the water table in the open excavation), and the encroachment of groundwater contamination towards private property, REI recommends the implementation and operation of an active remedial system.

REI recommends the use of an air sparge/soil vapor extraction (AS/SVE) system. An aggressive approach should limit the future expansion of the groundwater contaminant plume by removing the recoverable residual gasoline from the soil, which should reduce contaminant from the soil to the groundwater. The free floating gasoline and the dissolved contaminant plume can also be removed/reduced through the operation of the active remedial option. Soil impacts can be addressed through a combination of vertical and horizontal extraction points. REI also recommends sparging/aerating the pond to address the elevated gasoline impacts to the wetland.

If you have any questions or comments, please contact our office at (715) 675-9784 or electronically at bbailey@reiengineering.com.

Sincerely,
REI Engineering, Inc.

Brian J. Bailey
Environmental Scientist

cc: Wagner Oil Company, Mr. John Wagner, PO Box 28, Antigo, WI 54409 (ele)
Federated Insurance, Mr. Patrick Roach, PO Box 486, Owatonna, MN 55060 (ele)

Attachments
Table 4a-b Geoprobe Soil Analytical Results
Table 5 Geoprobe Groundwater Analytical Results
Figure 1 – Site Vicinity Map
Figure 3 – Soil Boring Location Map
Figure 4 – Soil Direct Contact RCL Exceedance Area of Impact
Figure 5 – Groundwater NR140 Exceedance Plume
Attachment A – Photo Log
Attachment B – Boring Logs/Abandonment Forms
Attachment C – Well Construction Forms
Attachment D – Laboratory Analytical Reports

Table 4a: Geoprobe Soil Analytical Results Table
Wagner Oil Company - Highway 45 Gasoline Spill
Town of Rolling, WI

Date-->			*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*
Sample-->			*B1*	*B1*	*B2*	*B2*	*B3*	*B3*	*B4*	*B4*	*B5*	*B5*	*B6*	*B6*	*B7*	*B7*	*B8*	*B8*
Sample Depth-->			*2-4'*	*6-8'*	*2-4'*	*10-12'*	*2-4'*	*6-8'*	*2-4'*	*6-8'*	*2-4'*	*10-12'*	*2-4'*	*10-12'*	*2-4'*	*10-12'*	*2-4'*	*6-8'*
Percent Moisture (%)			*7.2*	*12.0*	*6.5*	*6.1*	*6.5*	*8.1*	*9.3*	*7.3*	*8.5*	*5.5*	*12.8*	*NA*	*10.5*	*10.9*	*16.4*	*8.3*
PID (ppm)			*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*8.2*	*31.3*	*0*	*1,485*	*0.4*	*4.2*	*0*	*0*
Petroleum VOC's (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	NR 140 Groundwater Pathway Protection																
Benzene	1.49	0.0026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**26.3**	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	7.47	0.785	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**79.9**	<0.025	<0.025	<0.025	<0.025
Toluene	818	0.5536	<0.025	<0.025	<0.025	0.0374^{J}	<0.025	<0.025	<0.025	<0.025	<0.025	0.0474^{J}	<0.025	*250*	<0.025	<0.025	<0.025	<0.025
Xylenes (Total)	258	1.97	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**363**	<0.050	<0.050	<0.050	<0.050
Methyl-tert-Butyl-Ether (MTBE)	59.4	0.0135	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*2.18*^{J}	<0.025	<0.025	<0.025	<0.025
1,2,4- Trimethylbenzene	89.8	NA	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**135**	<0.025	<0.025	<0.025	<0.025
1,3,5- Trimethylbenzene	182	NA	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	38.4	<0.025	<0.025	<0.025	<0.025
Trimethylbenzenes (Total)	NA	0.691	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*173.40*	<0.025	<0.025	<0.025	<0.025
Naphthalene	5.15	0.3291	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**19.8**	<0.025	<0.025	<0.025	<0.025
Number of Individual Exceedances (DC)-->			0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Cumulative Hazard Index (DC)-->			0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	2.3743	0.0007	0.0007	0.0007	0.0007
Cumulative Cancer Risk (DC)-->			2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.30E-05	2.50E-08	2.50E-08	2.50E-08	2.50E-08

Notes:
NR 720 Standards Obtained From WDNR Online Database
RCL - NR720 Soil Residual Concentration Level
DC - Direct Contact
< - Concentration Below Laboratory Detection Limit
NA - No Standard/Not Applicable
mg/kg - Parts Per Million (ppm)
J - Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
Exceeds Non-Industrial Not-To-Exceed DC RCL - **Bold**
Exceeds NR 140 Groundwater Pathway Protection - *Italic*

Table 4b: Geoprobe Soil Analytical Results Table
Wagner Oil Company - Highway 45 Gasoline Spill
Town of Rolling, WI

		Date-->	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*	*5/25/16*
		Sample-->	***B9***	***B9***	***B10***	***B10***	***B11***	***B11***	***B12***	***B13***	***B13***	***B14***	***B14***	***B15***	***B15***	***B16***	***B16***	***B17***	***B17***
		Sample Depth-->	*2-4'*	*4-6'*	*2-4'*	*4-6'*	*2-4'*	*4-6'*	*2-4'*	*2-4'*	*4-6'*	*2-4'*	*4-6'*	*2-4'*	*8-10'*	*2-4'*	*6-8'*	*2-4'*	*6-8'*
		Percent Moisture (%)	*10.8*	*10.7*	*13.1*	*15.1*	*10.9*	*11.2*	*11.0*	*9.8*	*11.8*	*9.8*	*8.7*	*5.2*	*14.4*	*7.0*	*7.8*	*5.0*	*2.3*
		PID (ppm)	*1,163*	*1,107*	*4.9*	*1.9*	*194.6*	*797*	*8.0*	*0.9*	*7.3*	*0.8*	*1.0*	*0*	*52.6*	*26.9*	*65.7*	*8.7*	*30.1*
Petroleum VOC's (mg/kg)	Non-Industrial Not-to-Exceed DC RCL	NR 140 Groundwater Pathway Protection																	
Benzene	1.49	0.0026	**3.9**	**3.53**	<0.025	<0.025	*0.394*	**2.47**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.0569*[J]	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	7.47	0.785	**8.98**	*3.79*	0.0573[J]	<0.025	0.0689	*1.13*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Toluene	818	0.5536	*29.3*	*14.5*	0.137	<0.025	*0.675*	*5.79*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.109	<0.025	<0.025	<0.025	<0.025
Xylenes (Total)	258	1.97	*48.3*	*17.3*	0.279	<0.050	0.315	*5.28*	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.0539[J]	<0.050	<0.050	<0.050
Methyl-tert-Butyl-Ether (MTBE)	59.4	0.0135	*0.201*[J]	*0.0739*[J]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4- Trimethylbenzene	89.8	NA	17.8	6.39	0.129	<0.025	0.0509[J]	1.92	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0535[J]	<0.025	<0.025	<0.025
1,3,5- Trimethylbenzene	182	NA	5.1	1.79	0.042[J]	<0.025	<0.025	0.531	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trimethylbenzenes (Total)	NA	0.691	*22.9*	*8.18*	0.129	<0.025	0.0509[J]	*2.45*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	5.15	0.3291	*2.42*	*0.994*	<0.025	<0.025	<0.025	0.312	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Number of Individual Exceedances (DC)-->			2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cumulative Hazard Index (DC)-->			0.3135	0.1138	0.0022	0.0007	0.0048	0.0533	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.001	0.0011	0.0007	0.0007	0.0007
Cumulative Cancer Risk (DC)-->			4.30E-06	3.10E-06	3.00E-08	2.50E-08	2.80E-07	1.90E-06	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08	4.70E-08	2.50E-08	2.50E-08	2.50E-08	2.50E-08

Notes:
NR 720 Standards Obtained From WDNR Online Database
RCL - NR720 Soil Residual Concentration Level
DC - Direct Contact
< - Concentration Below Laboratory Detection Limit
NA - No Standard/Not Applicable
mg/kg - Parts Per Million (ppm)
J - Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
Exceeds Non-Industrial Not-To-Exceed DC RCL - **Bold**
Exceeds NR 140 Groundwater Pathway Protection - *Italic*

Table 5: Geoporobe Groundwater Analytical Table
Wagner Oil Company - Highway 45 Gasoline Spill
Town of Rolling, WI

		Date-->	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***	***5/25/16***
		Sample-->	**B2 (TW1)**	**B3**	**B4 (TW2)**	**B5**	**B7 (TW3)**	**B8**	**B9**	**B10 (TW4)**	**B12**	**B13**	**B14 (TW5)**	**B15**	**B16**	**POND**
VOC's (µg/L)	ES	PAL														
Benzene	5	0.5	<0.40	<0.40	<0.40	**9,620**	*4.7*	***8.6***	**25,800**	*0.55* [J]	**299**	**32.5**	**46.5**	**39.9**	**3,250**	**6.2**
Ethylbenzene	700	140	<0.39	<0.39	<0.39	**883**	<0.39	1.2	**5,050**	<0.39	82.8	0.80[J]	7.4	3.3	**2,340**	4.2
Toluene	800	160	<0.39	<0.39	<0.39	**15,000**	6.2	9.9	**47,600**	1.8	**930**	24.9	90.1	46.2	**17,600**	19.9
Xylenes (Total)	2,000	400	<1.2	<1.2	<1.2	**4,240**	<1.2	5.3	**23,200**	<1.2	367	2.8[J]	24.8	10.5	**10,300**	22.3
Methyl-tert-Butyl-Ether (MTBE)	60	12	<0.48	<0.48	<0.48	<48.5	<0.48	<0.48	<121	<0.48	<4.8	<0.48	<0.48	<0.48	<48.5	<0.48
Trimethylbenzenes (Total)	480	96	<0.42	<0.42	<0.42	*326*	<0.42	<0.42	**5,490**	<0.42	16.3	3.3	1.6	0.56[J]	**2,091**	8.6
Naphthalene	100	10	<0.42	<0.42	<0.42	*77.6* [J]	<0.42	<0.42	**676**	<0.42	<4.2	<0.42	<0.42	<0.42	**278**	2.2

Notes:
ES - Enforcement Standards
PAL - Preventative Action Limit
Exceeds Enforcement Standards - **Bold**
Exceeds Preventative Action Limit - *Italic*
< - Concentration Below Laboratory Detection Limit
µg/L - Parts Per Billion (ppb)
NA - No Standard/Not Applicable
J - Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ)
*Sample collected from open excavation

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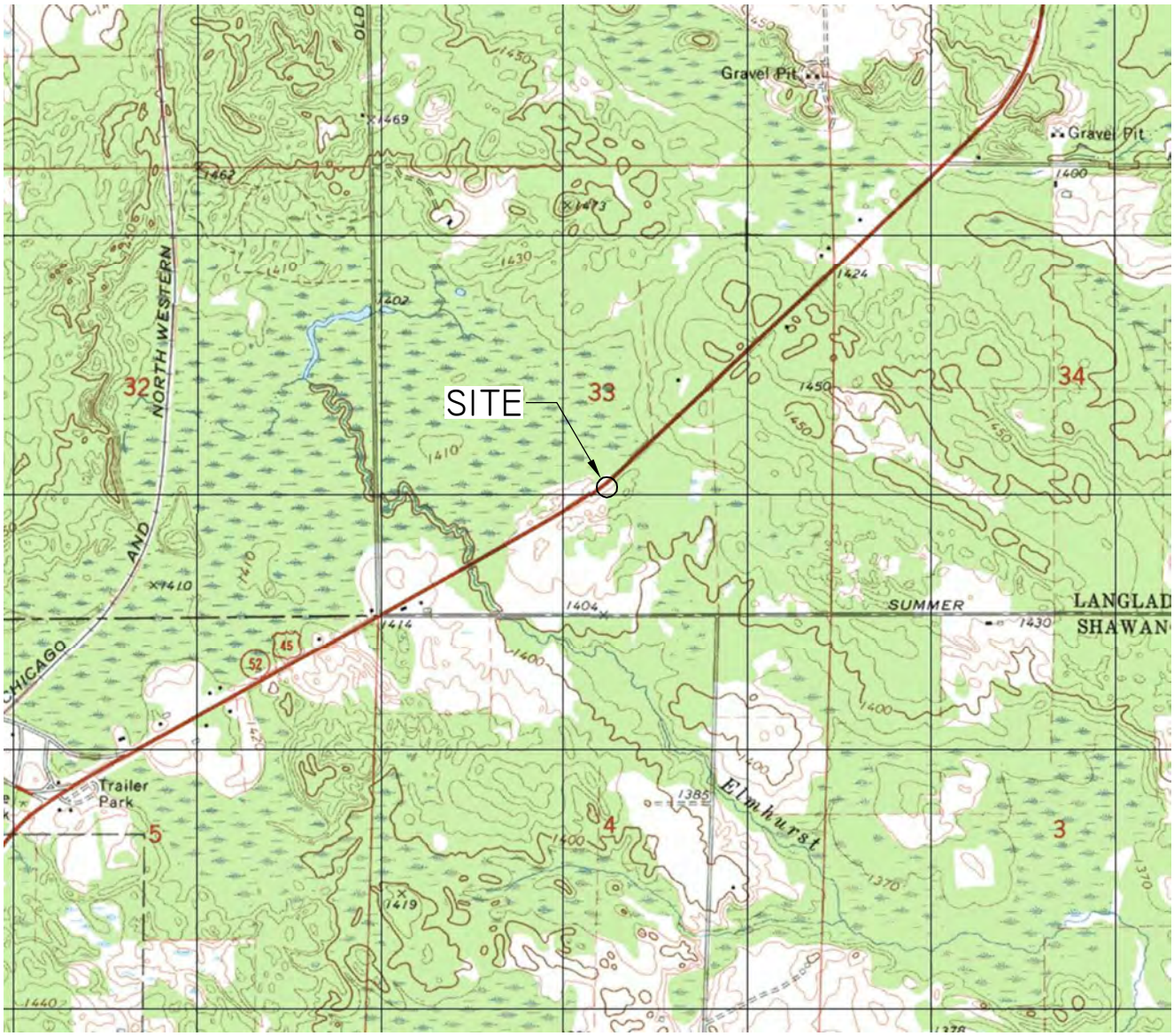


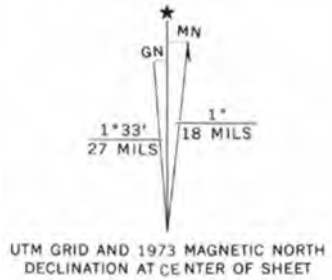
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ANIWA, WIS.
SW/4 ANTIGO 15' QUADRANGLE
N4500—W8907.5/7.5
1973
AMS 3174 II SW—SERIES V861

QUADRANGLE LOCATION

REI Engineering, INC.

WAGNER OIL COMPANY – GASOLINE SPILL US HWY 45 TOWN OF ROLLING, WISCONSIN	FIGURE 1 : SITE VICINITY MAP		
	PROJECT NO. 7267	DRAWN BY: NAP	DATE: 03/25/16

DRAWING FILE: P:\7200-7299\7267 - WAGNER TRUCKING ER\DWG\7267-VICIN.DWG LAYOUT: VICINITY PLOTTED: MAY 09, 2016 - 2:27PM PLOTTED BY: NATHANP

B1
B2/TW1
B3
B4/TW2
B5
B6
B7/TW3
B8
B9
B10/TW4
B11
B12
B13
B14/TW5
B15
B16
B17
APPROXIMATE LOCATION SEMI TRUCK
PUNCTURE LOCATION
APPROXIMATE LOCATION OF TANKER
(4) UNDERGROUND UTILITIES
1' DEEP
2.5' DEEP
1' DEEP
1.5' DEEP
7' DEEP
3' DEEP
WETLAND AREA EXCAVATION
OAK TREE
APPROXIMATE R.O.W.
US 45
EDGE OF PAVEMENT
EDGE OF GRAVEL
CSS-1
CSS-2
CSS-3
CSS-4
CSS-5
CSS-6
CSS-7
CSS-8
CSS-9
CSS-10
CSS-11
CSS-12
CSS-13
CSS-14
CSS-15
CSS-16
CSS-17
CSS-18
CSS-19
CSS-20
CSS-21
CSS-22
CSS-23
CSS-24
CSS-25
CSS-26
CSS-27
CSS-28
CSS-29
CSS-30
CSS-31
WS-1
N

LEGEND

0 20
SCALE: 1" = 20'

- TEMPORARY MONITORING WELL
- WATER SAMPLE
- CONFIRMATION SOIL SAMPLE
- AREA OF EXCAVATION
- BORING LOCATION

REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

WAGNER OIL COMPANY – GASOLINE SPILL
US HWY 45
TOWN OF ROLLING, WISCONSIN

FIGURE 3 : SOIL BORING LOCATIONS

PROJECT No.	DRAWN BY:	DATE:
7267	NAP	05/11/16

B1
B2/TW1
B3
B4/TW2
B5
B6
B7/TW3
B8
B9
B10/TW4
B11
B12
B13
B14/TW5
B15
B16
B17
APPROXIMATE LOCATION SEMI TRUCK
PUNCTURE LOCATION
APPROXIMATE LOCATION OF TANKER
(4) UNDERGROUND UTILITIES
1' DEEP
2.5' DEEP
1' DEEP
1.5' DEEP
7' DEEP
3' DEEP
WETLAND AREA EXCAVATION
OAK TREE
APPROXIMATE R.O.W.
US 45
EDGE OF PAVEMENT
EDGE OF GRAVEL
CSS-1
CSS-2
CSS-3
CSS-4
CSS-5
CSS-6
CSS-7
CSS-8
CSS-9
CSS-10
CSS-11
CSS-12
CSS-13
CSS-14
CSS-15
CSS-16
CSS-17
CSS-18
CSS-19
CSS-20
CSS-21
CSS-22
CSS-23
CSS-24
CSS-25
CSS-26
CSS-27
CSS-28
CSS-29
CSS-30
CSS-31
WS-1

N

LEGEND

0 20
SCALE: 1" = 20'

NR720 SOIL DIRECT CONTACT RCL PLUME
TEMPORARY MONITORING WELL
WATER SAMPLE
AREA OF EXCAVATION
BORING LOCATION
CONFIRMATION SOIL SAMPLE

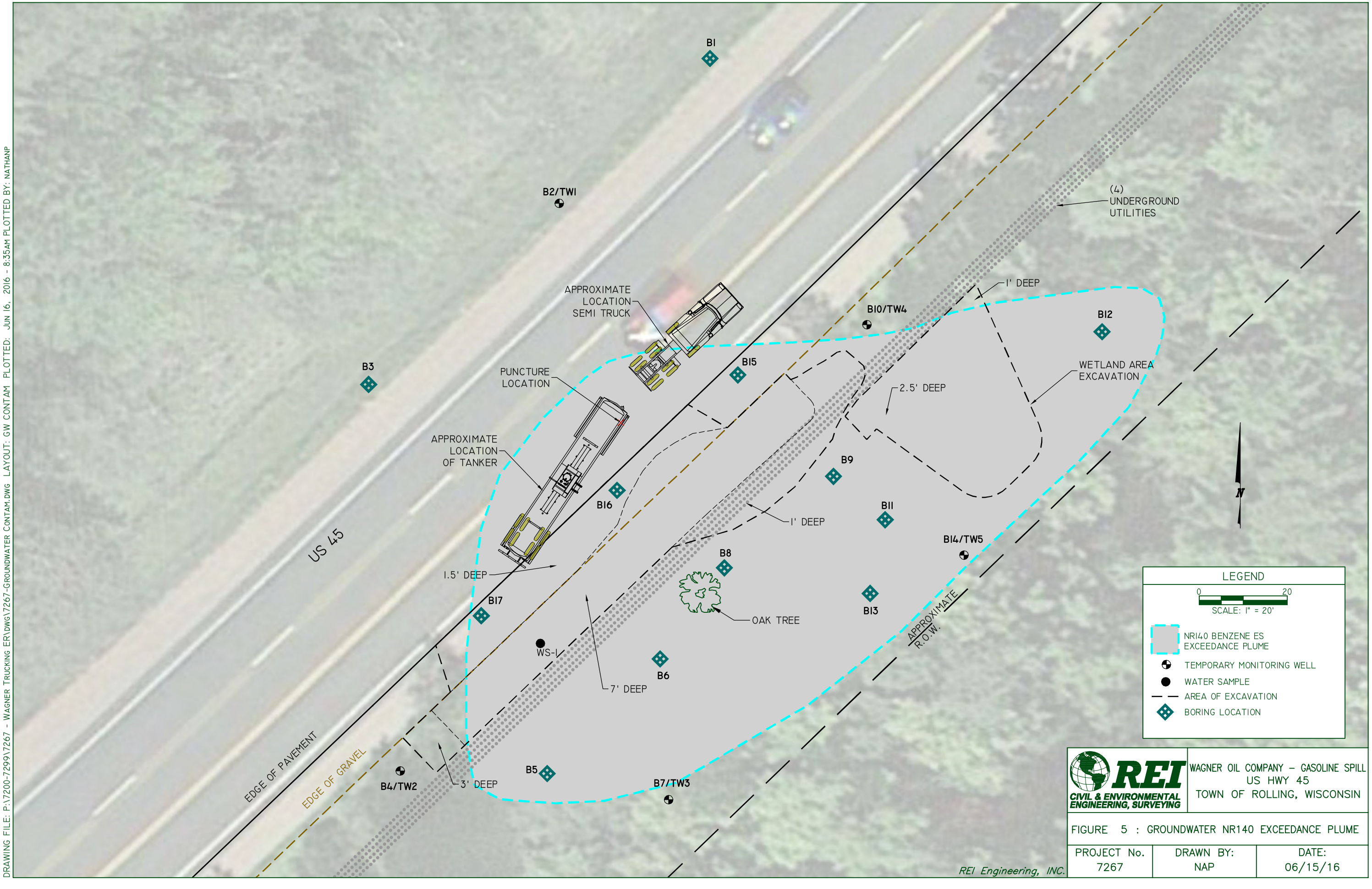
REI CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING

WAGNER OIL COMPANY – GASOLINE SPILL
US HWY 45
TOWN OF ROLLING, WISCONSIN

FIGURE 4 : SOIL DIRECT CONTACT RCL EXCEEDANCE AREA OF IMPACT

PROJECT No.	DRAWN BY:	DATE:
7267	NAP	06/15/16

REI Engineering, INC.



REI Engineering, INC.

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

WAGNER OIL COMPANY – GASOLINE SPILL
US HWY 45
TOWN OF ROLLING, WISCONSIN

FIGURE 5 : GROUNDWATER NR140 EXCEEDANCE PLUME

PROJECT No.	DRAWN BY:	DATE:
7267	NAP	06/15/16

DRAWING FILE: P:\7200-7299\7267 - WAGNER TRUCKING ER\DWG\7267-GROUNDWATER CONTAM.DWG LAYOUT: GW CONTAM PLOTTED: JUN 16, 2016 - 8:35AM PLOTTED BY: NATHANP

Site - Prior to Commencing Borings

Site - Prior to Commencing Borings

Site - Prior to Commencing Borings

Site - Prior to Commencing Borings

Wagner Oil Company - Gasoline Spill	Attachment A	Site Photographs
US Hwy 45, Town of Rolling, WI	REI Project Number: 7267	P:\7200-7299\7267 - Wagner Trucking ER\Reports\Site Update\[7267SUattA.xlsx]1

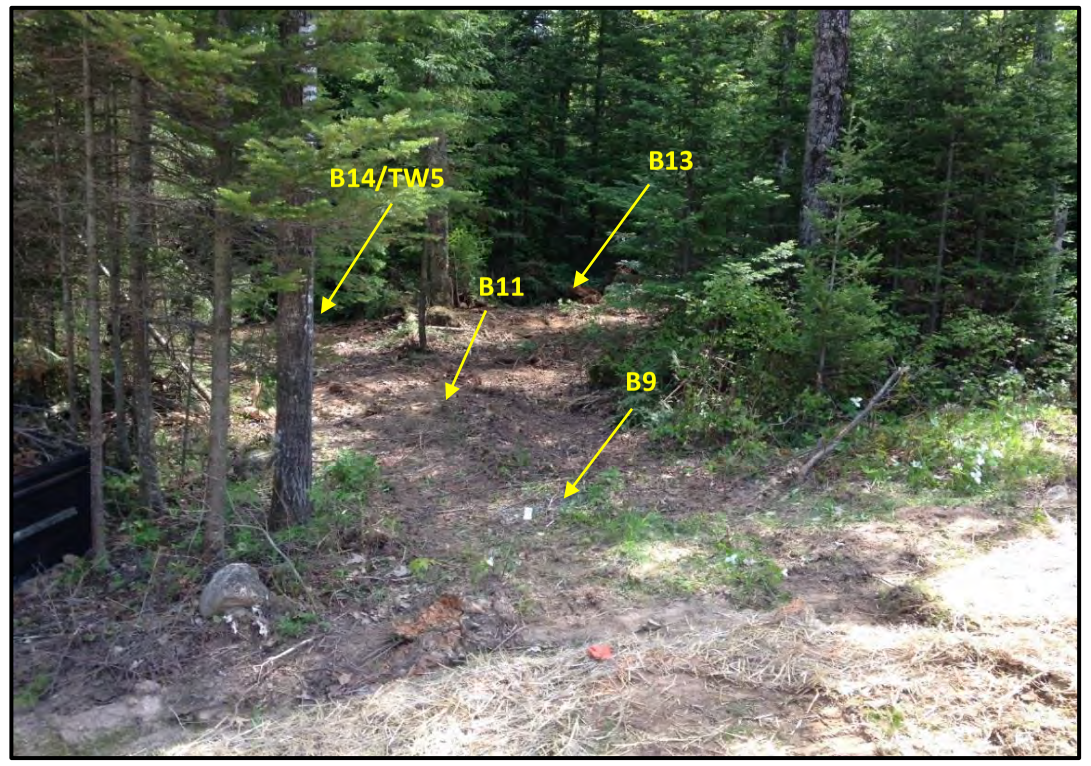
Advancing Boring on the West Side of US HWY 45

Advancing Borings on the East Side of US HWY 45

Advancing Borings on the East Side of US HWY 45

Advancing Boring Into the Tree Line on the East Side US HWY 45

Advancing Borings Near Wetland Area (South Side)



Boring Locations Inside Tree Line South Side Wetland Area

Boring Location - North Side Wetland Area

Borings Along East Side of US HWY 45

Wagner Oil Company - Gasoline Spill	Attachment A	Site Photographs
US Hwy 45, Town of Rolling, WI	REI Project Number: 7267	P:\7200-7299\7267 - Wagner Trucking ER\Reports\Site Update\[7267SUattA.xlsx]1

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒	Lat / Long	Local Grid Location
State Plane		N ☐ S ☐ E ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		22 in		0–6	GRAVEL Brown silty SAND with gravel				0 ppm 0 ppm 0 ppm						
		18 in		6–10	Dark brown silty SAND with gravel				0 ppm 0 ppm						
		14 in		10–12	EOB @ 12' BLS				0 ppm						

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

Signature	Firm
[signature]	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B2/TW1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch /TW1

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B2/TW1	Lat	Local Grid Location
State Plane	Long	N ☐ E ☐ S ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		22 in		1–3	GRAVEL Brown silty SAND with gravel				0 ppm 0 ppm						
		24 in		4–7					0 ppm 0 ppm						
		14 in		8–11	Brown silty CLAY Dark brown gravelly SAND with clay				0 ppm 0 ppm						
		32 in		12–15	Brown/grey silty SAND with gravel Wet @ 12' BLS										
				16–18	EOB @ 16' BLS Temp Well set @ 14' BLS										

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

Signature	Firm
REI	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B3	Lat	Local Grid Location
State Plane	Long	N ☐ E ☐ S ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		23 in		0–6	GRAVEL Brown silty SAND with gravel				0 ppm 0 ppm 0 ppm						
		16 in		6–8	Brown sandy SILT with gravel Moist @ 7.7' BLS				0 ppm						
		26 in		8–12	Brown silty SAND with gravel Wet @ 8' BLS										
				12	EOB @ 12' BLS										

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

Signature	Firm
BJ Johnson/REI	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B4/TW2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch /TW2

Local Grid Orgin ☐ (estimated) ☐ or Boring Location B4/TW2	Lat	Local Grid Location
State Plane	Long	N☐ E☐ S☐ W☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		22 in		1–2	Brown silty SAND with gravel Brown sandy SILT				0 ppm						
				2–3	Brown silty SAND with gravel										
				3–4					0 ppm						
		8 in		4–5											
				5–6					0 ppm						
				6–7											
				7–8											
				8–9	Wet @ 8' BLS										
		28 in		9–10											
				10–11											
				11–12											
				12–13	EOB @ 12' BLS Temp Well set @ 11' BLS											
				13–14											
				14–15											

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

Signature	Firm
[signature] / RGR	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B5

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch

Local Grid Orgin ☐ (estimated) ☐ or **Boring Location** ☒ B5 **State Plane**	**Lat** **Long**	**Local Grid Location** N ☐ E ☐ S ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		18 in		0–8	TOP SOIL Brown sandy SILT Brown silty SAND with gravel				1.5 ppm 8.2 ppm 1.9 ppm 2.9 ppm						
		12 in													
		24 in		8–12	Brown gravelly SAND				10.7 ppm 31.3 ppm						
				12–16	Brown sandy GRAVEL Wet @ 12' BLS										
				16	EOB @ 16' BLS										

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

Signature Robert Rutz /REI	**Firm** REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B6	Lat / Long	Local Grid Location
State Plane		N ☐ S ☐ E ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0	TOP SOIL										
		14 in		1	Brown sandy SILT				0 ppm						
				2											
				3					0 ppm						
				4	Brown silty SAND with gravel										
		16 in		5					0.9 ppm						
				6											
				7					23.5 ppm						
				8											
		13 in		9					126.8 ppm						
				10											
				11					1,485 ppm						
				12	Moist @ 11' BLS EOB @ 12' BLS										
				13											
				14											
				15											

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

Signature	Firm	
RJB / REI	REI Engineering, Inc.	4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B7/TW3

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch /TW3

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒ B7/TW3	**Lat**	**Local Grid Location** N ☐ E ☐	
State Plane	**Long**	S ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Sample Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		24 in		0–3	TOP SOIL Brown sandy SILT				0.6 ppm 0.4 ppm						
		22 in		3–7	Brown silty SAND				5.7 ppm 3.3 ppm						
		12 in		7–12	Moist @ 7' BLS				3.8 ppm 4.2 ppm						
		36 in		12–16	Brown silty sand with gravel Wet @ 12' BLS										
				16	EOB @ 16' BLS Temp Well set @ 16' BLS										

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

Signature [signature] REI **Firm** REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B8

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒ B8 **State Plane**	**Lat** **Long**	**Local Grid Location** N ☐ E ☐ S ☐ W ☐

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		19 in		0–4	TOP SOIL Brown sandy SILT				0 ppm 0 ppm						
		18 in		4–8	Brown silty SAND Moist @ 7' BLS Wet @ 8' BLS				0 ppm 0 ppm						
		16 in		8–12					0 ppm 0 ppm						
				12	EOB @ 12' BLS										

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

Signature /s/ Brady/REI	**Firm** **REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒	Lat Long	Local Grid Location N ☐ E ☐ S ☐ W ☐
State Plane		

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0	TOP SOIL										
		24 in		1	Brown sandy SILT				30.6 ppm						
				2											
				3					1,163 ppm						
				4	Brown silty SAND with Gravel										
		16 in		5					1,107 ppm						
				6	Moist @ 6' BLS										
				7					778 ppm						
				8	GRAVEL EOB @ 8' BLS										
				9											
				10											

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

Signature	Firm
[signature] /RET	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B10/TW4

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch 0/TW4

Local Grid Orgin ☐ **(estimated)** ☐ **or Boring Location** ☒ B10/TW4 **State Plane**	**Lat** **Long**	**Local Grid Location** N ☐ S ☐ E ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		10 in		0–4	TOP SOIL Brown sandy SILT				0.7 ppm 4.9 ppm						
		28 in		4–8	Brown/grey sandy SILT Wet @ 7' BLS				1.9 ppm 1.2 ppm						
				8	EOB @ 8' BLS Temp Well set @ 8' BLS										

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

Signature [signature] REI **Firm** **REI Engineering, Inc.** 4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of thes form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B11

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic	

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch 1

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒	**Lat**	**Local Grid Location** N ☐ E ☐	
State Plane	**Long**	S ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0	TOP SOIL										
				1	Brown sandy SILT				10.5 ppm						
		27 in		2											
				3					194.6 ppm						
				4											
				5					797 ppm						
		27 in		6											
				7					789 ppm						
				8	Brown sandy SILT with fine gravel										
					EOB @ 8' BLS										
				9											
				10											

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

Signature REI	**Firm** REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch 2

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒	Lat / Long	Local Grid Location
State Plane		N ☐ S ☐ E ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0	TOP SOIL										
		21 in		1	Brown sandy SILT				5.3 ppm						
				2											
				3					8.0 ppm						
				4	Brown silty SAND Wet @ 4' BLS										
				5					3.4 ppm						
		11 in		6											
				7					13.7 ppm						
				8	EOB @ 8' BLS										
				9											
				10											

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

Signature [signature] Firm REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B13

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch 3

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B13 **State Plane**	**Lat** **Long**	**Local Grid Location** N ☐ E ☐ S ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		17 in		0–4	TOP SOIL Brown sandy SILT				1.5 ppm 0.9 ppm						
		20 in		4–8	Brown silty SAND Wet @ 6' BLS				7.3 ppm 0.8 ppm						
				8	EOB @ 8' BLS										

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

Signature	**Firm** REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B14/TW5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch 4/TW5

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒14/TW5	Lat	Local Grid Location
State Plane	Long	N ☐ E ☐ S ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				1	TOP SOIL Brown sandy SILT				1.2 ppm						
		32 in		2											
				3	Brown silty SAND				0.8 ppm						
				4											
				5					1.0 ppm						
		14 in		6											
				7	Wet @ 6' BLS				0.6 ppm						
				8	EOB @ 8' BLS Temp Well set @ 8' BLS										
				9											
				10											

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

Signature	Firm
[signature] REI	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name Wagner Oil Co. - Gasoline Spill	**License/Permit/Monitoring Number**	**Boring Number** B15

Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC	**Date Drilling Started** 5/25/2016	**Date Drilling Completed** 5/25/2016	**Drilling Method** Direct Push Hydraulic

WI Unique Well No.	**DNR Well ID No.**	**Common Well Name**	**Final Static Water Level**	**Surface Elevation** 0	**Borehole Diameter** 2-inch 5

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B15	**Lat**	**Local Grid Location** N ☐ E ☐	
State Plane	**Long**	S ☐ W ☐	

Facility ID	**County** Langlade	**County Code** 34	**Civil Town/City/or Village** Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		12 in		1–4	GRAVEL				0.0 ppm 0.0 ppm						
		20 in		4–10	Brown silty SAND				50.8 ppm 11.3 ppm						
		22 in		10–12	Wet @ 10' BLS GRAVEL				52.6 ppm 44.8 ppm						
		30 in		12–16	Brown/grey silty SAND										
				16	EOB @ 16' BLS										

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

Signature [signature] **Firm** **REI Engineering, Inc.**
4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B16

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch 6

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B16	Lat	Local Grid Location
State Plane	Long	N ☐ E ☐ S ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		18 in		1–3	GRAVEL				3.7 ppm 26.9 ppm						
		14 in		4–7	Brown silty SAND				10.2 ppm 65.7 ppm						
		2 in		8–10	Wet @ 10' BLS				750.1 ppm						
		30 in		11–15	Brown silty SAND with gravel										
				16	EOB @ 16' BLS										
				17–18											

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

Signature	Firm	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Wagner Oil Co. - Gasoline Spill		B17

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	5/25/2016	5/25/2016	Direct Push Hydraulic

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				0	2-inch 7

Local Grid Orgin ☐ (estimated) ☐ or Boring Location ☒ B17	Lat	Local Grid Location
State Plane	Long	N ☐ E ☐ S ☐ W ☐

Facility ID	County	County Code	Civil Town/City/or Village
	Langlade	34	Town of Rolling

Sample Number	Sample Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		18 in		0–1	GRAVEL										
				1–2	Black sandy SILT				1.9 ppm						
				2–4	Brown silty SAND with gravel				8.7 ppm						
		26 in		4–8	Brown silty SAND with rotten grantie				18.7 ppm 30.1 ppm						
		10 in		8–12	Brown silty SAND with gravel				312 ppm						
				12	EOB @ 12' BLS										

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

Signature	Firm
[signature]	REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI

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State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B1	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B1

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
12 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	12	1/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] REI	6/3/2016

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B3	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

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

Subdivision Name: | Lot #:

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B3

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
12 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	12	1/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B5	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

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

Subdivision Name: | Lot #:

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B5

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
16 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	16	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B6	

Latitude / Longitude (see instructions): _____ N / _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

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

Subdivision Name: | Lot #:

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B6

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	WI	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
12 ft	2
Lower Drillhole Diameter (in.)	**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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	12	1/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B8	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B8

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
12 ft	2

Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	12	1/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B9	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B9

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
8 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B11	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town	Well ZIP Code

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Borehole soil sample	B11

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	WI	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
8 ft	2

Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	B. J. Kelly / REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B12	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B12 __ __ __ __ __

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
8 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B13	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B13 __ __ __ __ __

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
8 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8 in bentonite chips	Surface	8	1/4 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B15	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address

Well City, Village or Town	Well ZIP Code

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Borehole soil sample	B15

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
16 ft	2

Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	16	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B16	

Latitude / Longitude (see instructions): ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town:

Well ZIP Code:

Subdivision Name:

Lot #:

Reason for Removal from Service: Borehole soil sample

WI Unique Well # of Replacement Well: B16

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Wagner Oil Co.

Present Well Owner: Wagner Oil Co.

Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016

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.)
16 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	16	1/2 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature] / REI	6/3/2016

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Langlade	B17	

Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			Rolling N	☐ E ☐ W

Well Street Address:

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason for Removal from Service: Borehole soil sample
WI Unique Well # of Replacement Well: B17 __ __ __ __ __

2. Facility / Owner Information

Facility Name: Wagner Oil Co. - Gasoline Spill (US HWY 15)
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Wagner Oil Co.
Present Well Owner: Wagner Oil Co.
Mailing Address of Present Owner: 7095 Superior St.

City of Present Owner	State	ZIP Code
Antigo	Wi	54409

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 5/25/2016
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.)
12 ft	2
Lower Drillhole Diameter (in.)	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
Liner(s) perforated?	☐ 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 (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ 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
3/8 in bentonite chips	Surface	12	1/3 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil & Samples, LLC & REI Engineering		5/25/2016

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401		6/3/2016

DNR Use Only

Date Received	Noted By

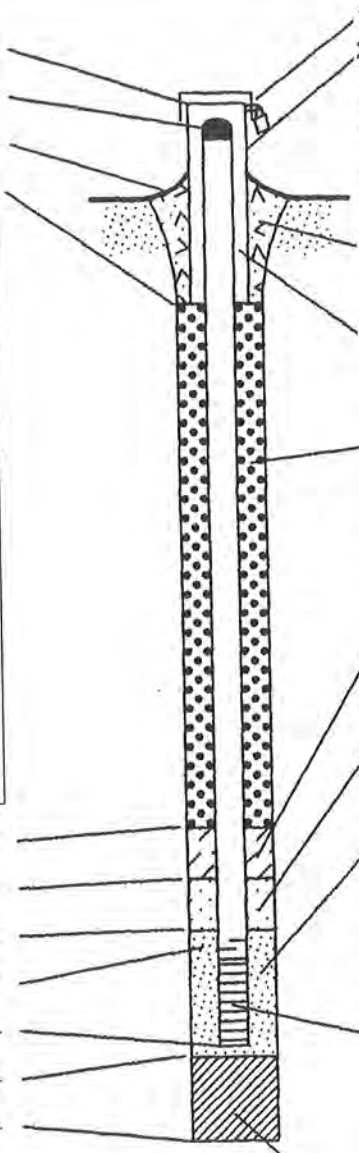
Comments:

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4.90

Route To Solid Haste ☐ Haz. Haste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

Facility/Project Name Wagner Oil Co - US Hwy 45 Gasoline Spill	**Local Grid Location of Well** _____ ___ Feet S. ___ Feet W ___ Feet N. ___ Feet E	**Well Name** TW1
Facility License Permit or Monitoring Number SERTS# 20160312NO34-1	**Grid Origin Location**	**Wis. Unique Well Number** **DNR Well Number**
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	**Section Location of Waste/Source** ☐ E ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N; R. ___ ☐ W	**Date Well Installed** 5/25/16
Distance Well Is From Waste/Source Boundary Ft.	**Location of Well Relative to Waste/Source** u ☐ *Upgradient* s ☐ *Sidegradient* d ☐ *Downgradient* n ☐ *Not Known*	**Well Installed By (Person's Name and Firm)** Geiss Soil & Samples, LLC
Is Well A Point of Enforcement Std. Application ☐ Yes ☐ No		



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom .5 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 ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe
Other ☒

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or 7 ft.
G. Filter pack, top _____ ft. MSL or 8 ft.
H. Screen joint, top _____ ft. MSL or 9 ft.
I. Well bottom _____ ft. MSL or 14 ft.
J. Filter pack, bottom _____ ft. MSL or 14 ft.
K. Borehole, bottom _____ ft. MSL or 16 ft.
L. Borehole, diameter 2 in.
M. O.D. well casing 1.375 in.
N. I.D. well casing 1.036 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: 0.5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. ___ %Bentonite ... Bentonite-cement grout ☐ 50
e. 0.02 ft³ Volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite Granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material Manufacturer, product name and mesh size
a. #60 Badger
b. Volume added 0.4 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint
b. Volume added 0.13 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer US Filter
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter Pack): None ☒ 14
_____ Other ☐

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

Signature REI | Firm REI Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 5440'

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144,147 and 160 Wis. Stats. and ch NR 141, Wis. Ad. Code. In accordance with ch. 144 Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147 Wis. Stats., failure to tile this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. see instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4.90

Route To Solid Haste ☐ Haz. Haste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	Local Grid Location of Well	Well Name
Wagner Oil Co - US Hwy 45 Gasoline Spill	___ Feet S. ___ Feet W ___ Feet N. ___ Feet E	TW2
Facility License Permit or Monitoring Number	**Grid Origin Location**	**Wis. Unique Well Number** / **DNR Well Number**
SERTS# 20160312NO34-1		
Type of Well Water Table Observation Well ☒ 11		**Date Well Installed**
Piezometer ☐ 12	**Section Location of Waste/Source** ☐ E	5/25/16
Distance Well Is From Waste/Source Boundary	___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N; R. ___ ☐ W	**Well Installed By (Person's Name and Firm)**
Ft.	**Location of Well Relative to Waste/Source**	Geiss Soil & Samples, LLC
Is Well A Point of Enforcement Std. Application	u ☐ *Upgradient* s ☐ *Sidegradient*	
☐ Yes ☐ No	d ☐ *Downgradient* n ☐ *Not Known*	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom .5 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 ☐ 50; Hollow Stem Auger ☐ 41; Geoprobe; Other ☒

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 4 ft.

G. Filter pack, top _____ ft. MSL or 5 ft.

H. Screen joint, top _____ ft. MSL or 6 ft.

I. Well bottom _____ ft. MSL or 11 ft.

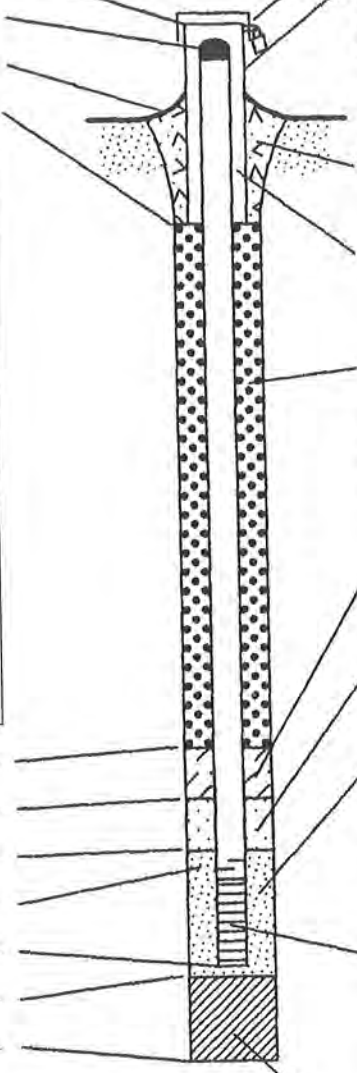
J. Filter pack, bottom _____ ft. MSL or 11 ft.

K. Borehole, bottom _____ ft. MSL or 12 ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.375 in.

N. I.D. well casing 1.036 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: 0.5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐

5. Annular space seal: a. Granular Bentonite ☒ 33
b. ___ Lbs/gal mud weight .... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ___ %Bentonite ..... Bentonite-cement grout ☐ 50
e. 0.08 ft³ Volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite Granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐

7. Fine sand material Manufacturer, product name and mesh size
a. #60 Badger
b. Volume added 0.02 ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint
b. Volume added 0.13 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer US Filter
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter Pack): None ☒ 14
_____ Other ☐

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

Signature	Firm
Robert J. Geiss / REI	REI Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 5440'

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144,147 and 160 Wis. Stats and ch NR 141, Wis. Ad. Code. In accordance with ch. 144 Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147 Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. see instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4.90

Route To Solid Haste ☐ Haz. Haste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	Local Grid Location of Well	Well Name
Wagner Oil Co - US Hwy 45 Gasoline Spill	___ Feet S. ___ Feet W ___ Feet N. ___ Feet E	TW3
Facility License Permit or Monitoring Number	**Grid Origin Location**	**Wis. Unique Well Number** / **DNR Well Number**
SERTS# 20160312NO34-1		
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	**Section Location of Waste/Source** ☐ E	**Date Well Installed** 5/25/16
Distance Well Is From Waste/Source Boundary Ft.	___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N; R. ___ ☐ W	**Well Installed By (Person's Name and Firm)** Geiss Soil & Samples, LLC
Is Well A Point of Enforcement Std. Application ☐ Yes ☐ No	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom .5 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

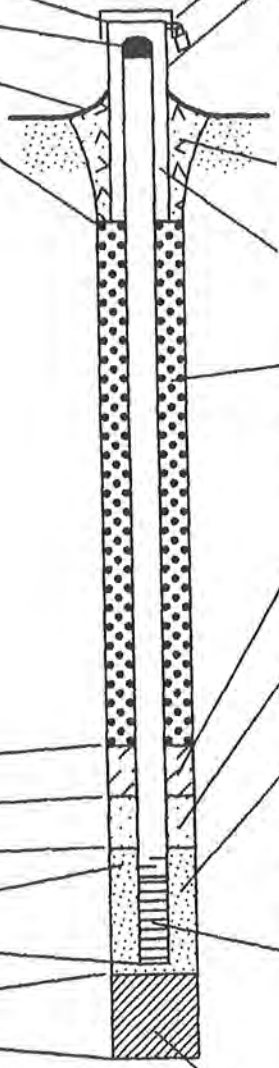
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Geoprobe; Other ☒

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or 9 ft.
G. Filter pack, top _____ ft. MSL or 10 ft.
H. Screen joint, top _____ ft. MSL or 11 ft.
I. Well bottom _____ ft. MSL or 16 ft.
J. Filter pack, bottom _____ ft. MSL or 16 ft.
K. Borehole, bottom _____ ft. MSL or 16 ft.
L. Borehole, diameter 2 in.
M. O.D. well casing 1.375 in.
N. I.D. well casing 1.036 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: 0.5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ___ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ... Bentonite slurry ☐ 31
d. ___ %Bentonite ... Bentonite-cement grout ☐ 50
e. 0.19 ft³ Volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite Granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material Manufacturer, product name and mesh size
a. #60 Badger
b. Volume added 0.02 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint
b. Volume added 0.13 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer US Filter
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter Pack): None ☒ 14 Other ☐

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

Signature	Firm
[signature] REI	REI Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 5440'

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144,147 and 160 Wis. Stats. and ch NR 141, Wis. Ad. Code. In accordance with ch. 144 Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147 Wis. Stats., failure to tile this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. see instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4.90

Route To Solid Haste ☐ Haz. Haste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

Facility/Project Name Wagner Oil Co - US Hwy 45 Gasoline Spill	**Local Grid Location of Well** _____ ___ Feet S. ___ Feet W ___ Feet N. ___ Feet E	**Well Name** TW4
Facility License Permit or Monitoring Number SERTS# 20160312NO34-1	**Grid Origin Location**	**Wis. Unique Well Number** / **DNR Well Number**
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	**Section Location of Waste/Source** ☐ E ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N; R. ___ ☐ W	**Date Well Installed** 5/25/16
Distance Well Is From Waste/Source Boundary Ft.	**Location of Well Relative to Waste/Source** u ☐ *Upgradient* s ☐ *Sidegradient* d ☐ *Downgradient* n ☐ *Not Known*	**Well Installed By (Person's Name and Firm)** Geiss Soil & Samples, LLC
Is Well A Point of Enforcement Std. Application ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom .5 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 ☐ 50; Hollow Stem Auger ☐ 41; Geoprobe; Other ☒

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 1 ft.

G. Filter pack, top _____ ft. MSL or 2 ft.

H. Screen joint, top _____ ft. MSL or 3 ft.

I. Well bottom _____ ft. MSL or 8 ft.

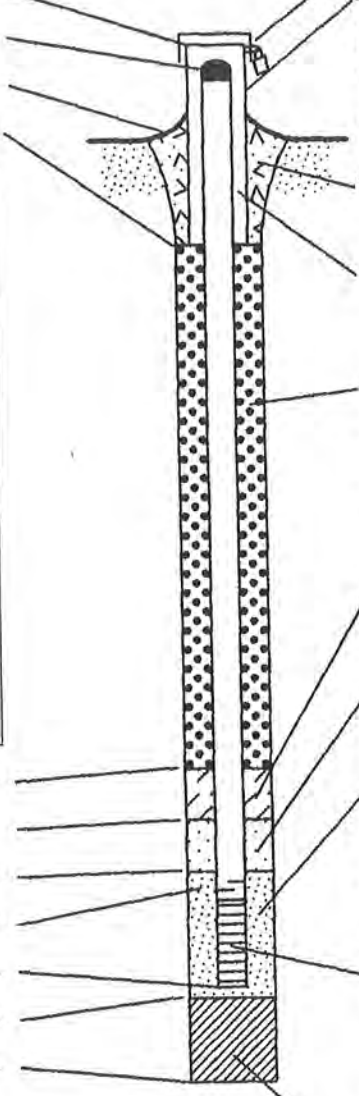
J. Filter pack, bottom _____ ft. MSL or 8 ft.

K. Borehole, bottom _____ ft. MSL or 8 ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.375 in.

N. I.D. well casing 1.036 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: 0.5 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; Other ☐

5. Annular space seal: a. Granular Bentonite ☒ 33
b. ___ Lbs/gal mud weight — Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight — Bentonite slurry ☐ 31
d. ___ %Bentonite — Bentonite-cement grout ☐ 50
e. 0.03 ft³ Volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite Granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐

7. Fine sand material Manufacturer, product name and mesh size
a. #60 Badger
b. Volume added 0.02 ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint
b. Volume added 0.13 ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer US Filter
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter Pack): None ☒ 14; Other ☐

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

Signature	Firm
	REI Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 5440'

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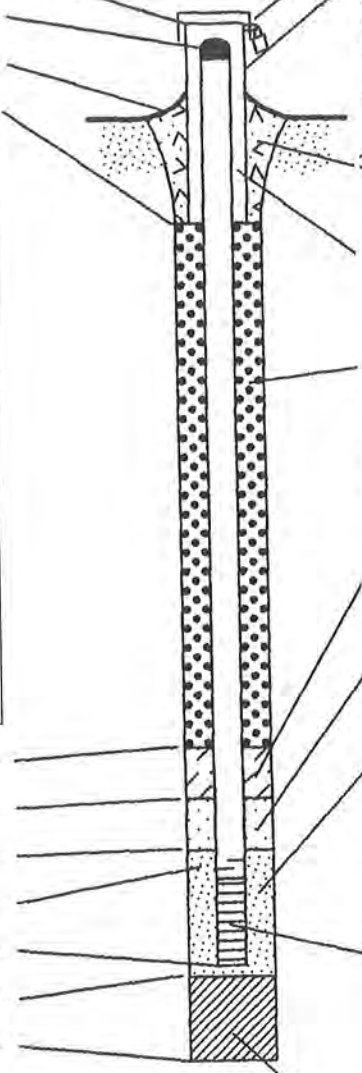
State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4.90

Route To Solid Haste ☐ Haz. Haste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

Facility/Project Name Wagner Oil Co - US Hwy 45 Gasoline Spill	**Local Grid Location of Well** _____ ___ Feet S. ___ Feet W ___ Feet N. ___ Feet E	**Well Name** TW5
Facility License Permit or Monitoring Number SERTS# 20160312NO34-1	**Grid Origin Location**	**Wis. Unique Well Number** **DNR Well Number**
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	**Section Location of Waste/Source** ☐ E ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N; R. ___ ☐ W	**Date Well Installed** 5/25/16
Distance Well Is From Waste/Source Boundary Ft.	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Well Installed By (Person's Name and Firm)** Geiss Soil & Samples, LLC
Is Well A Point of Enforcement Std. Application ☐ Yes ☐ No		



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom .5 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 ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe
Other ☒

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or 1 ft.
G. Filter pack, top _____ ft. MSL or 2 ft.
H. Screen joint, top _____ ft. MSL or 3 ft.
I. Well bottom _____ ft. MSL or 8 ft.
J. Filter pack, bottom _____ ft. MSL or 8 ft.
K. Borehole, bottom _____ ft. MSL or 8 ft.
L. Borehole, diameter 2 in.
M. O.D. well casing 1.375 in.
N. I.D. well casing 1.036 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: 0.5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ Other ☐
5. Annular space seal: a. Granular Bentonite ☒ 33
b. ___ Lbs/gal mud weight .... Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ___ %Bentonite ..... Bentonite-cement grout ☐ 50
e. 0.03 ft³ Volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite Granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material Manufacturer, product name and mesh size
a. #60 Badger
b. Volume added 0.02 ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint
b. Volume added 0.13 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer US Filter
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter Pack): None ☒ 14
_____ Other ☐

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

Signature	Firm
	REI Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 5440'

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 10, 2016

Brian Bailey
REI Engineering
4080 North 20th Ave
Wausau, WI 54401

RE: Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Dear Brian Bailey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40133004001	B1 @ 2-4'	Solid	05/25/16 07:55	05/27/16 08:50
40133004002	B1 @ 6-8'	Solid	05/25/16 08:00	05/27/16 08:50
40133004003	B2 @ 2-4'	Solid	05/25/16 08:15	05/27/16 08:50
40133004004	B2 @ 10-12'	Solid	05/25/16 08:25	05/27/16 08:50
40133004005	B3 @ 2-4'	Solid	05/25/16 08:50	05/27/16 08:50
40133004006	B3 @ 6-8'	Solid	05/25/16 08:55	05/27/16 08:50
40133004007	B4 @ 2-4'	Solid	05/25/16 09:20	05/27/16 08:50
40133004008	B4 @ 6-8'	Solid	05/25/16 09:25	05/27/16 08:50
40133004009	B5 @ 2-4'	Solid	05/25/16 09:50	05/27/16 08:50
40133004010	B5 @ 10-12'	Solid	05/25/16 09:55	05/27/16 08:50
40133004011	B6 @ 2-4'	Solid	05/25/16 10:20	05/27/16 08:50
40133004012	B6 @ 10-12'	Solid	05/25/16 10:25	05/27/16 08:50
40133004013	B7 @ 2-4'	Solid	05/25/16 10:35	05/27/16 08:50
40133004014	B7 @ 10-12'	Solid	05/25/16 10:45	05/27/16 08:50
40133004015	B8 @ 2-4'	Solid	05/25/16 11:10	05/27/16 08:50
40133004016	B8 @ 6-8'	Solid	05/25/16 11:15	05/27/16 08:50
40133004017	B9 @ 2-4'	Solid	05/25/16 11:30	05/27/16 08:50
40133004018	B9 @ 4-6'	Solid	05/25/16 11:35	05/27/16 08:50
40133004019	B10 @ 2-4'	Solid	05/25/16 12:00	05/27/16 08:50
40133004020	B10 @ 4-6'	Solid	05/25/16 12:05	05/27/16 08:50
40133004021	B11 @ 2-4'	Solid	05/25/16 12:25	05/27/16 08:50
40133004022	B11 @ 4-6'	Solid	05/25/16 12:30	05/27/16 08:50
40133004023	B12 @ 2-4'	Solid	05/25/16 12:35	05/27/16 08:50
40133004024	B13 @ 2-4'	Solid	05/25/16 13:00	05/27/16 08:50
40133004025	B13 @ 4-6'	Solid	05/25/16 13:05	05/27/16 08:50
40133004026	B14 @ 2-4'	Solid	05/25/16 13:25	05/27/16 08:50
40133004027	B14 @ 4-6'	Solid	05/25/16 13:30	05/27/16 08:50
40133004028	B15 @ 2-4'	Solid	05/25/16 13:50	05/27/16 08:50
40133004029	B15 @ 8-10'	Solid	05/25/16 13:55	05/27/16 08:50
40133004030	B16 @ 2-4'	Solid	05/25/16 14:15	05/27/16 08:50
40133004031	B16 @ 6-8'	Solid	05/25/16 14:20	05/27/16 08:50
40133004032	B17 @ 2-4'	Solid	05/25/16 14:45	05/27/16 08:50
40133004033	B17 @ 6-8'	Solid	05/25/16 14:50	05/27/16 08:50
40133004034	B2 (TW1)	Water	05/25/16 08:35	05/27/16 08:50
40133004035	B3	Water	05/25/16 09:05	05/27/16 08:50
40133004036	B4 (TW2)	Water	05/25/16 09:40	05/27/16 08:50
40133004037	B5	Water	05/25/16 10:10	05/27/16 08:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40133004038	**B7 (TW3)**	Water	05/25/16 10:55	05/27/16 08:50
40133004039	**B8**	Water	05/25/16 11:25	05/27/16 08:50
40133004040	**B9**	Water	05/25/16 11:45	05/27/16 08:50
40133004041	**B10 (TW4)**	Water	05/25/16 12:15	05/27/16 08:50
40133004042	**B12**	Water	05/25/16 12:45	05/27/16 08:50
40133004043	**B13**	Water	05/25/16 13:10	05/27/16 08:50
40133004044	**B14 (TW5)**	Water	05/25/16 13:40	05/27/16 08:50
40133004045	**B15**	Water	05/25/16 14:05	05/27/16 08:50
40133004046	**B16**	Water	05/25/16 14:25	05/27/16 08:50
40133004047	**POND**	Water	05/25/16 07:00	05/27/16 08:50

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40133004001	**B1 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004002	**B1 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004003	**B2 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004004	**B2 @ 10-12'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004005	**B3 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004006	**B3 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004007	**B4 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004008	**B4 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004009	**B5 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004010	**B5 @ 10-12'**	WI MOD GRO	PMS	10
		ASTM D2974-87	BTH	1
40133004011	**B6 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004012	**B6 @ 10-12'**	WI MOD GRO	PMS	10
40133004013	**B7 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004014	**B7 @ 10-12'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004015	**B8 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004016	**B8 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004017	**B9 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004018	**B9 @ 4-6'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004019	**B10 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40133004020	**B10 @ 4-6'**	WI MOD GRO	PMS	10
		ASTM D2974-87	TEL	1
40133004021	**B11 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004022	**B11 @ 4-6'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004023	**B12 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004024	**B13 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004025	**B13 @ 4-6'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004026	**B14 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004027	**B14 @ 4-6'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004028	**B15 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004029	**B15 @ 8-10'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004030	**B16 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004031	**B16 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004032	**B17 @ 2-4'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004033	**B17 @ 6-8'**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40133004034	**B2 (TW1)**	WI MOD GRO	JSK	9
40133004035	**B3**	WI MOD GRO	PMS	9
40133004036	**B4 (TW2)**	WI MOD GRO	PMS	9
40133004037	**B5**	WI MOD GRO	JSK	9
40133004038	**B7 (TW3)**	WI MOD GRO	JSK	9
40133004039	**B8**	WI MOD GRO	JSK	9
40133004040	**B9**	WI MOD GRO	JSK	9
40133004041	**B10 (TW4)**	WI MOD GRO	JSK	9
40133004042	**B12**	WI MOD GRO	JSK	9

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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SAMPLE ANALYTE COUNT

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40133004043	**B13**	WI MOD GRO	JSK	9
40133004044	**B14 (TW5)**	WI MOD GRO	JSK	9
40133004045	**B15**	WI MOD GRO	JSK	9
40133004046	**B16**	WI MOD GRO	JSK	9
40133004047	**POND**	WI MOD GRO	PMS	9

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B1 @ 2-4' **Lab ID: 40133004001** Collected: 05/25/16 07:55 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 18:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 18:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/31/16 06:30	05/31/16 18:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.2**	%	0.10	0.10	1		06/01/16 16:21		

Sample: B1 @ 6-8' **Lab ID: 40133004002** Collected: 05/25/16 08:00 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 19:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	05/31/16 06:30	05/31/16 19:18	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.0**	%	0.10	0.10	1		06/01/16 16:22		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B2 @ 2-4' **Lab ID: 40133004003** Collected: 05/25/16 08:15 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 19:44	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 19:44	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	05/31/16 19:44	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		06/01/16 16:22		

Sample: B2 @ 10-12' **Lab ID: 40133004004** Collected: 05/25/16 08:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	91-20-3	W
Toluene	**37.4J**	ug/kg	53.2	26.6	1	05/31/16 06:30	05/31/16 20:09	108-88-3	
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 20:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	05/31/16 06:30	05/31/16 20:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.1**	%	0.10	0.10	1		06/01/16 16:22		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B3 @ 2-4' **Lab ID: 40133004005** Collected: 05/25/16 08:50 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 20:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 20:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	05/31/16 06:30	05/31/16 20:35	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		06/01/16 16:22		

Sample: B3 @ 6-8' **Lab ID: 40133004006** Collected: 05/25/16 08:55 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 21:01	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:01	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/31/16 06:30	05/31/16 21:01	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.1**	%	0.10	0.10	1		06/01/16 16:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B4 @ 2-4' **Lab ID: 40133004007** Collected: 05/25/16 09:20 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 21:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	05/31/16 21:26	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.3**	%	0.10	0.10	1		06/01/16 16:22		

Sample: B4 @ 6-8' **Lab ID: 40133004008** Collected: 05/25/16 09:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 21:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 21:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 21:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.3**	%	0.10	0.10	1		06/01/16 16:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B5 @ 2-4' **Lab ID: 40133004009** Collected: 05/25/16 09:50 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	05/31/16 22:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	05/31/16 22:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	05/31/16 22:18	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		06/01/16 16:22		

Sample: B5 @ 10-12' **Lab ID: 40133004010** Collected: 05/25/16 09:55 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	91-20-3	W
Toluene	**47.4J**	ug/kg	63.5	26.5	1	05/31/16 06:30	05/31/16 11:32	108-88-3	
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 11:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 11:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.5**	%	0.10	0.10	1		06/01/16 16:22		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B6 @ 2-4' **Lab ID: 40133004011** Collected: 05/25/16 10:20 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 11:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 11:58	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 11:58	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.8**	%	0.10	0.10	1		06/07/16 14:53		

Sample: B6 @ 10-12' **Lab ID: 40133004012** Collected: 05/25/16 10:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "wet-weight" basis
Comments: • All Volume was used for B6 @ 10-12'. No volume remians for dry weight analysis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**26300**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	71-43-2	
Ethylbenzene	**79900**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	100-41-4	
Methyl-tert-butyl ether	**2180J**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	1634-04-4	
Naphthalene	**19800**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	91-20-3	
Toluene	**250000**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	108-88-3	
1,2,4-Trimethylbenzene	**135000**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	95-63-6	
1,3,5-Trimethylbenzene	**38400**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	108-67-8	
m&p-Xylene	**260000**	ug/kg	5650	2350	40	05/31/16 06:30	05/31/16 17:42	179601-23-1	
o-Xylene	**103000**	ug/kg	2820	1180	40	05/31/16 06:30	05/31/16 17:42	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		40	05/31/16 06:30	05/31/16 17:42	98-08-8	

Sample: B7 @ 2-4' **Lab ID: 40133004013** Collected: 05/25/16 10:35 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	100-41-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B7 @ 2-4' **Lab ID: 40133004013** Collected: 05/25/16 10:35 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 12:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	05/31/16 12:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		06/07/16 14:53		

Sample: B7 @ 10-12' **Lab ID: 40133004014** Collected: 05/25/16 10:45 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 12:59	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 12:59	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 12:59	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.9**	%	0.10	0.10	1		06/07/16 14:53		

Sample: B8 @ 2-4' **Lab ID: 40133004015** Collected: 05/25/16 11:10 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	100-41-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B8 @ 2-4' **Lab ID: 40133004015** Collected: 05/25/16 11:10 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 13:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	05/31/16 06:30	05/31/16 13:26	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.4**	%	0.10	0.10	1		06/07/16 14:53		

Sample: B8 @ 6-8' **Lab ID: 40133004016** Collected: 05/25/16 11:15 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 13:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 13:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 13:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		06/06/16 13:45		

Sample: B9 @ 2-4' **Lab ID: 40133004017** Collected: 05/25/16 11:30 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**3900**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	71-43-2	
Ethylbenzene	**8980**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B9 @ 2-4' **Lab ID: 40133004017** Collected: 05/25/16 11:30 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**201J**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	1634-04-4	
Naphthalene	**2420**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	91-20-3	
Toluene	**29300**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	108-88-3	
1,2,4-Trimethylbenzene	**17800**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	95-63-6	
1,3,5-Trimethylbenzene	**5100**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	108-67-8	
m&p-Xylene	**34700**	ug/kg	538	224	4	05/31/16 06:30	05/31/16 18:08	179601-23-1	
o-Xylene	**13600**	ug/kg	269	112	4	05/31/16 06:30	05/31/16 18:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		4	05/31/16 06:30	05/31/16 18:08	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.8**	%	0.10	0.10	1		06/06/16 15:24		

Sample: B9 @ 4-6' **Lab ID: 40133004018** Collected: 05/25/16 11:35 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**3530**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	71-43-2	
Ethylbenzene	**3790**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	100-41-4	
Methyl-tert-butyl ether	**73.9J**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	1634-04-4	
Naphthalene	**994**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	91-20-3	
Toluene	**14500**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	108-88-3	
1,2,4-Trimethylbenzene	**6390**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	95-63-6	
1,3,5-Trimethylbenzene	**1790**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	108-67-8	
m&p-Xylene	**12300**	ug/kg	269	112	2	05/31/16 06:30	05/31/16 17:17	179601-23-1	
o-Xylene	**4950**	ug/kg	134	56.0	2	05/31/16 06:30	05/31/16 17:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		2	05/31/16 06:30	05/31/16 17:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.7**	%	0.10	0.10	1		06/06/16 15:24		

Sample: B10 @ 2-4' **Lab ID: 40133004019** Collected: 05/25/16 12:00 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:17	71-43-2	W
Ethylbenzene	**57.3J**	ug/kg	69.1	28.8	1	05/31/16 06:30	05/31/16 14:17	100-41-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B10 @ 2-4' **Lab ID: 40133004019** Collected: 05/25/16 12:00 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:17	91-20-3	W
Toluene	**137**	ug/kg	69.1	28.8	1	05/31/16 06:30	05/31/16 14:17	108-88-3	
1,2,4-Trimethylbenzene	**129**	ug/kg	69.1	28.8	1	05/31/16 06:30	05/31/16 14:17	95-63-6	
1,3,5-Trimethylbenzene	**42.0J**	ug/kg	69.1	28.8	1	05/31/16 06:30	05/31/16 14:17	108-67-8	
m&p-Xylene	**203**	ug/kg	138	57.5	1	05/31/16 06:30	05/31/16 14:17	179601-23-1	
o-Xylene	**75.8**	ug/kg	69.1	28.8	1	05/31/16 06:30	05/31/16 14:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	05/31/16 14:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		06/06/16 15:24		

Sample: B10 @ 4-6' **Lab ID: 40133004020** Collected: 05/25/16 12:05 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 14:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 14:43	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 14:43	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.1**	%	0.10	0.10	1		06/06/16 15:24		

Sample: B11 @ 2-4' **Lab ID: 40133004021** Collected: 05/25/16 12:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**394**	ug/kg	67.3	28.0	1	05/31/16 06:30	05/31/16 15:09	71-43-2	
Ethylbenzene	**68.9**	ug/kg	67.3	28.0	1	05/31/16 06:30	05/31/16 15:09	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B11 @ 2-4' **Lab ID: 40133004021** Collected: 05/25/16 12:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:09	91-20-3	W
Toluene	**675**	ug/kg	67.3	28.0	1	05/31/16 06:30	05/31/16 15:09	108-88-3	
1,2,4-Trimethylbenzene	**50.9J**	ug/kg	67.3	28.0	1	05/31/16 06:30	05/31/16 15:09	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:09	108-67-8	W
m&p-Xylene	**224**	ug/kg	135	56.1	1	05/31/16 06:30	05/31/16 15:09	179601-23-1	
o-Xylene	**91.4**	ug/kg	67.3	28.0	1	05/31/16 06:30	05/31/16 15:09	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 15:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.9**	%	0.10	0.10	1		06/02/16 13:36		

Sample: B11 @ 4-6' **Lab ID: 40133004022** Collected: 05/25/16 12:30 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**2470**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	71-43-2	
Ethylbenzene	**1130**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 16:51	1634-04-4	W
Naphthalene	**312**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	91-20-3	
Toluene	**5790**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	108-88-3	
1,2,4-Trimethylbenzene	**1920**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	95-63-6	
1,3,5-Trimethylbenzene	**531**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	108-67-8	
m&p-Xylene	**3730**	ug/kg	135	56.3	1	05/31/16 06:30	05/31/16 16:51	179601-23-1	
o-Xylene	**1550**	ug/kg	67.6	28.2	1	05/31/16 06:30	05/31/16 16:51	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	05/31/16 06:30	05/31/16 16:51	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.2**	%	0.10	0.10	1		06/02/16 13:36		

Sample: B12 @ 2-4' **Lab ID: 40133004023** Collected: 05/25/16 12:35 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	100-41-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B12 @ 2-4' **Lab ID: 40133004023** Collected: 05/25/16 12:35 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 15:34	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 15:34	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 15:34	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.0**	%	0.10	0.10	1		06/02/16 13:36		

Sample: B13 @ 2-4' **Lab ID: 40133004024** Collected: 05/25/16 13:00 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 19:50	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 19:50	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 19:50	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.8**	%	0.10	0.10	1		06/02/16 13:36		

Sample: B13 @ 4-6' **Lab ID: 40133004025** Collected: 05/25/16 13:05 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	100-41-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B13 @ 4-6' **Lab ID: 40133004025** Collected: 05/25/16 13:05 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 20:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 20:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		06/02/16 13:36		

Sample: B14 @ 2-4' **Lab ID: 40133004026** Collected: 05/25/16 13:25 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 20:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 20:41	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 20:41	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.8**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B14 @ 4-6' **Lab ID: 40133004027** Collected: 05/25/16 13:30 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	100-41-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B14 @ 4-6' **Lab ID: 40133004027** Collected: 05/25/16 13:30 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 21:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 21:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.7**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B15 @ 2-4' **Lab ID: 40133004028** Collected: 05/25/16 13:50 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 21:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 21:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.2**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B15 @ 8-10' **Lab ID: 40133004029** Collected: 05/25/16 13:55 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**56.9J**	ug/kg	70.1	29.2	1	05/31/16 06:30	05/31/16 21:58	71-43-2	
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	100-41-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B15 @ 8-10' **Lab ID: 40133004029** Collected: 05/25/16 13:55 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	91-20-3	W
Toluene	**109**	ug/kg	70.1	29.2	1	05/31/16 06:30	05/31/16 21:58	108-88-3	
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/31/16 06:30	05/31/16 21:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/31/16 06:30	05/31/16 21:58	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	05/31/16 21:58	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.4**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B16 @ 2-4' **Lab ID: 40133004030** Collected: 05/25/16 14:15 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	108-88-3	W
1,2,4-Trimethylbenzene	**53.5J**	ug/kg	53.8	26.9	1	05/31/16 06:30	06/01/16 01:18	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	108-67-8	W
m&p-Xylene	**53.9J**	ug/kg	108	53.8	1	05/31/16 06:30	06/01/16 01:18	179601-23-1	
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	05/31/16 06:30	06/01/16 01:18	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.0**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B16 @ 6-8' **Lab ID: 40133004031** Collected: 05/25/16 14:20 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	100-41-4	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B16 @ 6-8' **Lab ID: 40133004031** Collected: 05/25/16 14:20 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	06/01/16 02:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	06/01/16 02:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B17 @ 2-4' **Lab ID: 40133004032** Collected: 05/25/16 14:45 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	06/01/16 02:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 02:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	05/31/16 06:30	06/01/16 02:35	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.0**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B17 @ 6-8' **Lab ID: 40133004033** Collected: 05/25/16 14:50 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	100-41-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B17 @ 6-8' **Lab ID: 40133004033** Collected: 05/25/16 14:50 Received: 05/27/16 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	05/31/16 06:30	06/01/16 01:44	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	05/31/16 06:30	06/01/16 01:44	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	05/31/16 06:30	06/01/16 01:44	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.3**	%	0.10	0.10	1		06/02/16 13:37		

Sample: B2 (TW1) **Lab ID: 40133004034** Collected: 05/25/16 08:35 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/08/16 08:40	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/08/16 08:40	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 08:40	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 08:40	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/08/16 08:40	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 08:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 08:40	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/08/16 08:40	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/08/16 08:40	98-08-8	

Sample: B3 **Lab ID: 40133004035** Collected: 05/25/16 09:05 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/02/16 12:15	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/02/16 12:15	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/02/16 12:15	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:15	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/02/16 12:15	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:15	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/02/16 12:15	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B3 **Lab ID: 40133004035** Collected: 05/25/16 09:05 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/02/16 12:15	98-08-8	

Sample: B4 (TW2) **Lab ID: 40133004036** Collected: 05/25/16 09:40 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		06/02/16 12:41	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/02/16 12:41	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/02/16 12:41	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:41	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		06/02/16 12:41	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/02/16 12:41	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/02/16 12:41	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/02/16 12:41	98-08-8	

Sample: B5 **Lab ID: 40133004037** Collected: 05/25/16 10:10 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**9620**	ug/L	100	39.6	100		06/07/16 11:59	71-43-2	
Ethylbenzene	**883**	ug/L	100	39.3	100		06/07/16 11:59	100-41-4	
Methyl-tert-butyl ether	**<48.5**	ug/L	100	48.5	100		06/07/16 11:59	1634-04-4	
Naphthalene	**77.6J**	ug/L	100	42.4	100		06/07/16 11:59	91-20-3	
Toluene	**15000**	ug/L	100	38.8	100		06/07/16 11:59	108-88-3	
1,2,4-Trimethylbenzene	**326**	ug/L	100	41.8	100		06/07/16 11:59	95-63-6	
1,3,5-Trimethylbenzene	**71.8J**	ug/L	100	41.6	100		06/07/16 11:59	108-67-8	
Xylene (Total)	**4240**	ug/L	300	125	100		06/07/16 11:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		100		06/07/16 11:59	98-08-8	HS

Sample: B7 (TW3) **Lab ID: 40133004038** Collected: 05/25/16 10:55 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**4.7**	ug/L	1.0	0.40	1		06/08/16 10:22	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B7 (TW3) **Lab ID: 40133004038** Collected: 05/25/16 10:55 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/08/16 10:22	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 10:22	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:22	91-20-3	
Toluene	**6.2**	ug/L	1.0	0.39	1		06/08/16 10:22	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:22	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/08/16 10:22	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/08/16 10:22	98-08-8	HS

Sample: B8 **Lab ID: 40133004039** Collected: 05/25/16 11:25 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**8.6**	ug/L	1.0	0.40	1		06/08/16 10:00	71-43-2	
Ethylbenzene	**1.2**	ug/L	1.0	0.39	1		06/08/16 10:00	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 10:00	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:00	91-20-3	
Toluene	**9.9**	ug/L	1.0	0.39	1		06/08/16 10:00	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:00	108-67-8	
Xylene (Total)	**5.3**	ug/L	3.0	1.2	1		06/08/16 10:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/08/16 10:00	98-08-8	HS

Sample: B9 **Lab ID: 40133004040** Collected: 05/25/16 11:45 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**25800**	ug/L	250	99.0	250		06/07/16 12:24	71-43-2	
Ethylbenzene	**5050**	ug/L	250	98.2	250		06/07/16 12:24	100-41-4	
Methyl-tert-butyl ether	**<121**	ug/L	250	121	250		06/07/16 12:24	1634-04-4	
Naphthalene	**676**	ug/L	250	106	250		06/07/16 12:24	91-20-3	
Toluene	**47600**	ug/L	250	97.0	250		06/07/16 12:24	108-88-3	
1,2,4-Trimethylbenzene	**4390**	ug/L	250	104	250		06/07/16 12:24	95-63-6	
1,3,5-Trimethylbenzene	**1100**	ug/L	250	104	250		06/07/16 12:24	108-67-8	
Xylene (Total)	**23200**	ug/L	750	312	250		06/07/16 12:24	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		250		06/07/16 12:24	98-08-8	HS

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B10 (TW4) **Lab ID: 40133004041** Collected: 05/25/16 12:15 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.55J**	ug/L	1.0	0.40	1		06/08/16 09:31	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		06/08/16 09:31	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 09:31	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:31	91-20-3	
Toluene	**1.8**	ug/L	1.0	0.39	1		06/08/16 09:31	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:31	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		06/08/16 09:31	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/08/16 09:31	98-08-8	HS

Sample: B12 **Lab ID: 40133004042** Collected: 05/25/16 12:45 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**299**	ug/L	10.0	4.0	10		06/08/16 10:51	71-43-2	
Ethylbenzene	**82.8**	ug/L	10.0	3.9	10		06/08/16 10:51	100-41-4	
Methyl-tert-butyl ether	**<4.8**	ug/L	10.0	4.8	10		06/08/16 10:51	1634-04-4	
Naphthalene	**<4.2**	ug/L	10.0	4.2	10		06/08/16 10:51	91-20-3	
Toluene	**930**	ug/L	10.0	3.9	10		06/08/16 10:51	108-88-3	M1
1,2,4-Trimethylbenzene	**16.3**	ug/L	10.0	4.2	10		06/08/16 10:51	95-63-6	
1,3,5-Trimethylbenzene	**<4.2**	ug/L	10.0	4.2	10		06/08/16 10:51	108-67-8	
Xylene (Total)	**367**	ug/L	30.0	12.5	10		06/08/16 10:51	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		10		06/08/16 10:51	98-08-8	

Sample: B13 **Lab ID: 40133004043** Collected: 05/25/16 13:10 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**32.5**	ug/L	1.0	0.40	1		06/08/16 10:48	71-43-2	
Ethylbenzene	**0.80J**	ug/L	1.0	0.39	1		06/08/16 10:48	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 10:48	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:48	91-20-3	
Toluene	**24.9**	ug/L	1.0	0.39	1		06/08/16 10:48	108-88-3	
1,2,4-Trimethylbenzene	**3.3**	ug/L	1.0	0.42	1		06/08/16 10:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 10:48	108-67-8	
Xylene (Total)	**2.8J**	ug/L	3.0	1.2	1		06/08/16 10:48	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/08/16 10:48	98-08-8	HS

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: B14 (TW5) **Lab ID: 40133004044** Collected: 05/25/16 13:40 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**46.5**	ug/L	1.0	0.40	1		06/08/16 09:05	71-43-2	
Ethylbenzene	**7.4**	ug/L	1.0	0.39	1		06/08/16 09:05	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 09:05	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:05	91-20-3	
Toluene	**90.1**	ug/L	1.0	0.39	1		06/08/16 09:05	108-88-3	
1,2,4-Trimethylbenzene	**1.6**	ug/L	1.0	0.42	1		06/08/16 09:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:05	108-67-8	
Xylene (Total)	**24.8**	ug/L	3.0	1.2	1		06/08/16 09:05	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/08/16 09:05	98-08-8	

Sample: B15 **Lab ID: 40133004045** Collected: 05/25/16 14:05 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**39.9**	ug/L	1.0	0.40	1		06/08/16 09:56	71-43-2	
Ethylbenzene	**3.3**	ug/L	1.0	0.39	1		06/08/16 09:56	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/08/16 09:56	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:56	91-20-3	
Toluene	**46.2**	ug/L	1.0	0.39	1		06/08/16 09:56	108-88-3	
1,2,4-Trimethylbenzene	**0.56J**	ug/L	1.0	0.42	1		06/08/16 09:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		06/08/16 09:56	108-67-8	
Xylene (Total)	**10.5**	ug/L	3.0	1.2	1		06/08/16 09:56	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/08/16 09:56	98-08-8	HS

Sample: B16 **Lab ID: 40133004046** Collected: 05/25/16 14:25 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**3250**	ug/L	100	39.6	100		06/08/16 11:43	71-43-2	
Ethylbenzene	**2340**	ug/L	100	39.3	100		06/08/16 11:43	100-41-4	
Methyl-tert-butyl ether	**<48.5**	ug/L	100	48.5	100		06/08/16 11:43	1634-04-4	
Naphthalene	**278**	ug/L	100	42.4	100		06/08/16 11:43	91-20-3	
Toluene	**17600**	ug/L	100	38.8	100		06/08/16 11:43	108-88-3	
1,2,4-Trimethylbenzene	**1650**	ug/L	100	41.8	100		06/08/16 11:43	95-63-6	
1,3,5-Trimethylbenzene	**441**	ug/L	100	41.6	100		06/08/16 11:43	108-67-8	
Xylene (Total)	**10300**	ug/L	300	125	100		06/08/16 11:43	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		100		06/08/16 11:43	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Sample: POND **Lab ID: 40133004047** Collected: 05/25/16 07:00 Received: 05/27/16 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**6.2**	ug/L	1.0	0.40	1		06/02/16 20:46	71-43-2	
Ethylbenzene	**4.2**	ug/L	1.0	0.39	1		06/02/16 20:46	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		06/02/16 20:46	1634-04-4	
Naphthalene	**2.2**	ug/L	1.0	0.42	1		06/02/16 20:46	91-20-3	
Toluene	**19.9**	ug/L	1.0	0.39	1		06/02/16 20:46	108-88-3	
1,2,4-Trimethylbenzene	**7.0**	ug/L	1.0	0.42	1		06/02/16 20:46	95-63-6	
1,3,5-Trimethylbenzene	**1.6**	ug/L	1.0	0.42	1		06/02/16 20:46	108-67-8	
Xylene (Total)	**22.3**	ug/L	3.0	1.2	1		06/02/16 20:46	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/02/16 20:46	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: GCV/16087 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40133004001, 40133004002, 40133004003, 40133004004, 40133004005, 40133004006, 40133004007, 40133004008, 40133004009

METHOD BLANK: 1343254 Matrix: Solid
Associated Lab Samples: 40133004001, 40133004002, 40133004003, 40133004004, 40133004005, 40133004006, 40133004007, 40133004008, 40133004009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 10:21	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 10:21	
Benzene	ug/kg	<25.0	50.0	05/31/16 10:21	
Ethylbenzene	ug/kg	<25.0	50.0	05/31/16 10:21	
m&p-Xylene	ug/kg	<50.0	100	05/31/16 10:21	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/31/16 10:21	
Naphthalene	ug/kg	<25.0	50.0	05/31/16 10:21	
o-Xylene	ug/kg	<25.0	50.0	05/31/16 10:21	
Toluene	ug/kg	<25.0	50.0	05/31/16 10:21	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/31/16 10:21	

LABORATORY CONTROL SAMPLE & LCSD: 1343255 1343256

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1100	1110	110	111	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1090	107	109	80-120	1	20	
Benzene	ug/kg	1000	1060	1070	106	107	80-120	1	20	
Ethylbenzene	ug/kg	1000	1060	1060	106	106	80-120	1	20	
m&p-Xylene	ug/kg	2000	2110	2130	105	106	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1030	1020	103	102	80-120	1	20	
Naphthalene	ug/kg	1000	994	1010	99	101	80-120	2	20	
o-Xylene	ug/kg	1000	1070	1080	107	108	80-120	1	20	
Toluene	ug/kg	1000	1060	1070	106	107	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: GCV/16088 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40133004010, 40133004011, 40133004012, 40133004013, 40133004014, 40133004015, 40133004016, 40133004017, 40133004018, 40133004019, 40133004020, 40133004021, 40133004022, 40133004023, 40133004024, 40133004025, 40133004026, 40133004027, 40133004028, 40133004029

METHOD BLANK: 1343257 Matrix: Solid
Associated Lab Samples: 40133004010, 40133004011, 40133004012, 40133004013, 40133004014, 40133004015, 40133004016, 40133004017, 40133004018, 40133004019, 40133004020, 40133004021, 40133004022, 40133004023, 40133004024, 40133004025, 40133004026, 40133004027, 40133004028, 40133004029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 09:48	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 09:48	
Benzene	ug/kg	<25.0	50.0	05/31/16 09:48	
Ethylbenzene	ug/kg	<25.0	50.0	05/31/16 09:48	
m&p-Xylene	ug/kg	<50.0	100	05/31/16 09:48	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/31/16 09:48	
Naphthalene	ug/kg	<25.0	50.0	05/31/16 09:48	
o-Xylene	ug/kg	<25.0	50.0	05/31/16 09:48	
Toluene	ug/kg	<25.0	50.0	05/31/16 09:48	
a,a,a-Trifluorotoluene (S)	%	101	80-120	05/31/16 09:48	

LABORATORY CONTROL SAMPLE & LCSD: 1343258 1343259

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	974	1080	97	108	80-120	10	20	
1,3,5-Trimethylbenzene	ug/kg	1000	956	1060	96	106	80-120	10	20	
Benzene	ug/kg	1000	963	1050	96	105	80-120	8	20	
Ethylbenzene	ug/kg	1000	954	1060	95	106	80-120	10	20	
m&p-Xylene	ug/kg	2000	1910	2110	96	106	80-120	10	20	
Methyl-tert-butyl ether	ug/kg	1000	934	1020	93	102	80-120	9	20	
Naphthalene	ug/kg	1000	945	1070	95	107	80-120	12	20	
o-Xylene	ug/kg	1000	951	1050	95	105	80-120	10	20	
Toluene	ug/kg	1000	970	1060	97	106	80-120	9	20	
a,a,a-Trifluorotoluene (S)	%				102	103	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: GCV/16090 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40133004030, 40133004031, 40133004032, 40133004033

METHOD BLANK: 1343302 Matrix: Solid
Associated Lab Samples: 40133004030, 40133004031, 40133004032, 40133004033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 23:35	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	05/31/16 23:35	
Benzene	ug/kg	<25.0	50.0	05/31/16 23:35	
Ethylbenzene	ug/kg	<25.0	50.0	05/31/16 23:35	
m&p-Xylene	ug/kg	<50.0	100	05/31/16 23:35	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	05/31/16 23:35	
Naphthalene	ug/kg	<25.0	50.0	05/31/16 23:35	
o-Xylene	ug/kg	<25.0	50.0	05/31/16 23:35	
Toluene	ug/kg	<25.0	50.0	05/31/16 23:35	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/31/16 23:35	

LABORATORY CONTROL SAMPLE & LCSD: 1343303 1343304

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1060	1100	106	110	80-120	4	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1040	1070	104	107	80-120	3	20	
Benzene	ug/kg	1000	1030	1050	103	105	80-120	2	20	
Ethylbenzene	ug/kg	1000	1030	1050	103	105	80-120	2	20	
m&p-Xylene	ug/kg	2000	2060	2120	103	106	80-120	3	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1030	105	103	80-120	2	20	
Naphthalene	ug/kg	1000	1020	1050	102	105	80-120	3	20	
o-Xylene	ug/kg	1000	1050	1080	105	108	80-120	3	20	
Toluene	ug/kg	1000	1030	1040	103	104	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	100	80-120			

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QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: GCV/16086 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40133004034, 40133004035, 40133004036, 40133004037, 40133004038, 40133004040, 40133004041, 40133004043, 40133004044, 40133004045, 40133004047

METHOD BLANK: 1343245 Matrix: Water
Associated Lab Samples: 40133004034, 40133004035, 40133004036, 40133004037, 40133004038, 40133004040, 40133004041, 40133004043, 40133004044, 40133004045, 40133004047

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/02/16 07:59	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/02/16 07:59	
Benzene	ug/L	<0.40	1.0	06/02/16 07:59	
Ethylbenzene	ug/L	<0.39	1.0	06/02/16 07:59	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/02/16 07:59	
Naphthalene	ug/L	<0.42	1.0	06/02/16 07:59	
Toluene	ug/L	<0.39	1.0	06/02/16 07:59	
Xylene (Total)	ug/L	<1.2	3.0	06/02/16 07:59	
a,a,a-Trifluorotoluene (S)	%	101	80-120	06/02/16 07:59	

LABORATORY CONTROL SAMPLE & LCSD: 1343246 1343247

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.5	21.7	108	109	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.7	20.7	103	104	80-120	0	20	
Benzene	ug/L	20	22.2	22.0	111	110	80-120	1	20	
Ethylbenzene	ug/L	20	21.6	21.5	108	108	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	21.3	20.5	107	103	80-120	4	20	
Naphthalene	ug/L	20	20.9	20.6	105	103	80-120	2	20	
Toluene	ug/L	20	22.4	22.2	112	111	80-120	1	20	
Xylene (Total)	ug/L	60	64.4	64.4	107	107	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				104	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1343478 1343479

Parameter	Units	40133004044 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	1.6	200	200	213	223	106	111	48-177	4	20	
1,3,5-Trimethylbenzene	ug/L	<0.42	200	200	204	214	102	107	73-145	5	20	
Benzene	ug/L	46.5	200	200	262	281	108	117	74-139	7	20	
Ethylbenzene	ug/L	7.4	200	200	222	233	107	113	74-140	5	20	
Methyl-tert-butyl ether	ug/L	<0.48	200	200	201	215	100	108	80-120	7	20	
Naphthalene	ug/L	<0.42	200	200	195	207	98	103	73-133	6	20	
Toluene	ug/L	90.1	200	200	317	339	113	125	80-128	7	20	
Xylene (Total)	ug/L	24.8	600	600	675	705	108	113	69-143	4	20	
a,a,a-Trifluorotoluene (S)	%						102	103	80-120			

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QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: GCV/16126 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40133004039, 40133004042, 40133004046

METHOD BLANK: 1346735 Matrix: Water
Associated Lab Samples: 40133004039, 40133004042, 40133004046

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	06/08/16 08:17	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	06/08/16 08:17	
Benzene	ug/L	<0.40	1.0	06/08/16 08:17	
Ethylbenzene	ug/L	<0.39	1.0	06/08/16 08:17	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	06/08/16 08:17	
Naphthalene	ug/L	<0.42	1.0	06/08/16 08:17	
Toluene	ug/L	<0.39	1.0	06/08/16 08:17	
Xylene (Total)	ug/L	<1.2	3.0	06/08/16 08:17	
a,a,a-Trifluorotoluene (S)	%	103	80-120	06/08/16 08:17	

LABORATORY CONTROL SAMPLE & LCSD: 1346736 1346737

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.8	23.0	114	115	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	22.8	23.0	114	115	80-120	1	20	
Benzene	ug/L	20	22.4	22.5	112	113	80-120	1	20	
Ethylbenzene	ug/L	20	22.7	22.8	113	114	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	21.5	21.5	108	107	80-120	0	20	
Naphthalene	ug/L	20	20.6	20.8	103	104	80-120	1	20	
Toluene	ug/L	20	22.2	22.2	111	111	80-120	0	20	
Xylene (Total)	ug/L	60	66.7	66.9	111	112	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346738 1346739

Parameter	Units	40133004042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	16.3	200	200	251	245	117	114	48-177	2	20	
1,3,5-Trimethylbenzene	ug/L	<4.2	200	200	238	233	119	117	73-145	2	20	
Benzene	ug/L	299	200	200	533	543	117	122	74-139	2	20	
Ethylbenzene	ug/L	82.8	200	200	319	317	118	117	74-140	1	20	
Methyl-tert-butyl ether	ug/L	<4.8	200	200	228	212	114	106	80-120	7	20	
Naphthalene	ug/L	<4.2	200	200	215	200	107	100	73-133	7	20	
Toluene	ug/L	930	200	200	1190	1230	130	149	80-128	3	20	M1
Xylene (Total)	ug/L	367	600	600	1070	1070	117	118	69-143	0	20	
a,a,a-Trifluorotoluene (S)	%						99	96	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: PMST/12799 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40133004001, 40133004002, 40133004003, 40133004004, 40133004005, 40133004006, 40133004007, 40133004008, 40133004009, 40133004010

SAMPLE DUPLICATE: 1344211

Parameter	Units	40133144004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.4	8.3	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: PMST/12806 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40133004021, 40133004022, 40133004023, 40133004024, 40133004025, 40133004026, 40133004027, 40133004028, 40133004029, 40133004030, 40133004031, 40133004032, 40133004033

SAMPLE DUPLICATE: 1344598

Parameter	Units	40133008001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.4	9.5	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: PMST/12813
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40133004016

SAMPLE DUPLICATE: 1345923

Parameter	Units	40133261002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	21.7	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: PMST/12815 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40133004017, 40133004018, 40133004019, 40133004020

SAMPLE DUPLICATE: 1345958

Parameter	Units	40133046004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.9	16.0	7	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

QC Batch: PMST/12823 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40133004011, 40133004013, 40133004014, 40133004015

SAMPLE DUPLICATE: 1346534

Parameter	Units	40133351002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10	9.6	4	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40133004001	**B1 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004002	**B1 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004003	**B2 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004004	**B2 @ 10-12'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004005	**B3 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004006	**B3 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004007	**B4 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004008	**B4 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004009	**B5 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16087	WI MOD GRO	GCV/16091
40133004010	**B5 @ 10-12'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004011	**B6 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004012	**B6 @ 10-12'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004013	**B7 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004014	**B7 @ 10-12'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004015	**B8 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004016	**B8 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004017	**B9 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004018	**B9 @ 4-6'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004019	**B10 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004020	**B10 @ 4-6'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004021	**B11 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004022	**B11 @ 4-6'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004023	**B12 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004024	**B13 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004025	**B13 @ 4-6'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004026	**B14 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004027	**B14 @ 4-6'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004028	**B15 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004029	**B15 @ 8-10'**	TPH GRO/PVOC WI ext.	GCV/16088	WI MOD GRO	GCV/16092
40133004030	**B16 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16090	WI MOD GRO	GCV/16093
40133004031	**B16 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16090	WI MOD GRO	GCV/16093
40133004032	**B17 @ 2-4'**	TPH GRO/PVOC WI ext.	GCV/16090	WI MOD GRO	GCV/16093
40133004033	**B17 @ 6-8'**	TPH GRO/PVOC WI ext.	GCV/16090	WI MOD GRO	GCV/16093
40133004034	**B2 (TW1)**	WI MOD GRO	GCV/16086		
40133004035	**B3**	WI MOD GRO	GCV/16086		
40133004036	**B4 (TW2)**	WI MOD GRO	GCV/16086		
40133004037	**B5**	WI MOD GRO	GCV/16086		
40133004038	**B7 (TW3)**	WI MOD GRO	GCV/16086		
40133004039	**B8**	WI MOD GRO	GCV/16126		
40133004040	**B9**	WI MOD GRO	GCV/16086		
40133004041	**B10 (TW4)**	WI MOD GRO	GCV/16086		
40133004042	**B12**	WI MOD GRO	GCV/16126		
40133004043	**B13**	WI MOD GRO	GCV/16086		
40133004044	**B14 (TW5)**	WI MOD GRO	GCV/16086		
40133004045	**B15**	WI MOD GRO	GCV/16086		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7267 WAGNER SPILL
Pace Project No.: 40133004

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40133004046	**B16**	WI MOD GRO	GCV/16126		
40133004047	**POND**	WI MOD GRO	GCV/16086		
40133004001	**B1 @ 2-4'**	ASTM D2974-87	PMST/12799		
40133004002	**B1 @ 6-8'**	ASTM D2974-87	PMST/12799		
40133004003	**B2 @ 2-4'**	ASTM D2974-87	PMST/12799		
40133004004	**B2 @ 10-12'**	ASTM D2974-87	PMST/12799		
40133004005	**B3 @ 2-4'**	ASTM D2974-87	PMST/12799		
40133004006	**B3 @ 6-8'**	ASTM D2974-87	PMST/12799		
40133004007	**B4 @ 2-4'**	ASTM D2974-87	PMST/12799		
40133004008	**B4 @ 6-8'**	ASTM D2974-87	PMST/12799		
40133004009	**B5 @ 2-4'**	ASTM D2974-87	PMST/12799		
40133004010	**B5 @ 10-12'**	ASTM D2974-87	PMST/12799		
40133004011	**B6 @ 2-4'**	ASTM D2974-87	PMST/12823		
40133004013	**B7 @ 2-4'**	ASTM D2974-87	PMST/12823		
40133004014	**B7 @ 10-12'**	ASTM D2974-87	PMST/12823		
40133004015	**B8 @ 2-4'**	ASTM D2974-87	PMST/12823		
40133004016	**B8 @ 6-8'**	ASTM D2974-87	PMST/12813		
40133004017	**B9 @ 2-4'**	ASTM D2974-87	PMST/12815		
40133004018	**B9 @ 4-6'**	ASTM D2974-87	PMST/12815		
40133004019	**B10 @ 2-4'**	ASTM D2974-87	PMST/12815		
40133004020	**B10 @ 4-6'**	ASTM D2974-87	PMST/12815		
40133004021	**B11 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004022	**B11 @ 4-6'**	ASTM D2974-87	PMST/12806		
40133004023	**B12 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004024	**B13 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004025	**B13 @ 4-6'**	ASTM D2974-87	PMST/12806		
40133004026	**B14 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004027	**B14 @ 4-6'**	ASTM D2974-87	PMST/12806		
40133004028	**B15 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004029	**B15 @ 8-10'**	ASTM D2974-87	PMST/12806		
40133004030	**B16 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004031	**B16 @ 6-8'**	ASTM D2974-87	PMST/12806		
40133004032	**B17 @ 2-4'**	ASTM D2974-87	PMST/12806		
40133004033	**B17 @ 6-8'**	ASTM D2974-87	PMST/12806		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40133004

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	RET
Branch/Location:	Wausau
Project Contact:	Brian Bailey
Phone:	715 675 9784
Project Number:	7267
Project Name:	Wagner Spill
Project State:	WI
Sampled By (Print):	Scott Blaylo
Sampled By (Sign):	Scott Blaylo
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Brian Bailey
Mail To Company:	RET
Mail To Address:	BBailey@retengineering.com
Invoice To Contact:	SAA
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC / Tota / Solids	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B1 @ 2-4'	5/25	7:55	S	N	F	A		1-40zpA 1-40mlvF	
002	B1 @ 6-8'		8:00							
003	B2 @ 2-4'		8:15							
004	B2 @ 10-12'		8:25							
005	B3 @ 2-4'		8:50							
006	B3 @ 6-8'		8:55							
007	B4 @ 2-4'		9:20							
008	B4 @ 6-8'		9:25							
009	B5 @ 2-4'		9:50							
010	B5 @ 10-12'		9:55							
011	B6 @ 2-4'		10:20							
012	B6 @ 10-12'		10:25							
013	B7 @ 2-4'		10:35							

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Alan Gustafson	5/26/16 4:00pm		
Volteo	5/27/16 0850	Pace	5/27/16 0850

PACE Project No.: 40133004

Receipt Temp = ROI °C

Sample Receipt pH: OK / Adjusted

Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

*Preservation Codes
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H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	Brian Bailey
Phone:	715 675 9784
Project Number:	7267
Project Name:	Wagner Spill
Project State:	WI
Sampled By (Print):	Scott Blado
Sampled By (Sign):	Scott Blado
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Brian Bailey
Mail To Company:	REI
Mail To Address:	BBailey@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC/N	Analyses Requested: Total Solids	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	B7 @ 10-12'	5/25	10:45	S	N	F				1-4ozpA 1-40mlVF	
015	B8 @ 2-4'		11:10			A					
016	B8 @ 6-8'		11:15								
017	B9 @ 2-4'		11:30								
018	B9 @ 4-6'		11:35								
019	B10 @ 2-4'		12:00								
020	B10 @ 4-6'		12:05								
021	B11 @ 2-4'		12:25								
022	B11 @ 4-6'		12:30								
023	B12 @ 2-4'		12:35								
024	B13 @ 2-4'		1:00								
025	B13 @ 4-6'		1:05								
026	B14 @ 2-4'		1:25								

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Alan Gustafson	5/26/16 4:00pm		
Walco	5/27/16 0850	pace	5/27/16 0850

PACE Project No.: 40133004

Receipt Temp = ROI °C

Sample Receipt pH: ~~OK / Adjusted~~

Cooler Custody Seal: Present / Not Present

Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

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MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	RET
Branch/Location:	Wausau
Project Contact:	Brian Bailey
Phone:	715 675 9784
Project Number:	7267
Project Name:	Wagner Spill
Project State:	WI
Sampled By (Print):	Scott Blado
Sampled By (Sign):	Scott Blado
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Brian Bailey
Mail To Company:	RET
Mail To Address:	BBailey@retengineering.com
Invoice To Contact:	SAA
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC/N	Total Solids	PVOC/N	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	F	A	B				
027	B14 @ 4-6'	5/25	1:30	S							1-40zpA 1-40mlVF	
028	B15 @ 2-4'		1:50									
029	B15 @ 8-10'		1:55									
030	B16 @ 2-4'		2:15									
031	B16 @ 6-8'		2:20									
032	B17 @ 2-4'		2:45									
033	B17 @ 6-8'		2:50								3-40mlVB	
034	B2 (TW1)		8:35	GW								
035	B3		9:05									
036	B4 (TW2)		9:40									
037	B5		10:40									
038	B7 (TW3)		10:55									
039	B8		11:25									

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Alan Gustafson	5/26/16 4:00pm		
Walter	5/27/16 0850	page	5/27/16 0850

PACE Project No.: 40133004

Receipt Temp = 8.0 °C

Sample Receipt pH: ~~OK / Adjusted~~

Cooler Custody Seal: Present / (Not Present)

Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	Brian Bailey
Phone:	715 675 9784
Project Number:	7267
Project Name:	Wagner Spill
Project State:	WI
Sampled By (Print):	Scott Blado
Sampled By (Sign):	Scott Blado
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Brian Bailey
Mail To Company:	REI
Mail To Address:	BBailey@reiengineering.com
Invoice To Contact:	SAA
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B	PVOC/N			
040	B9	5/25	11:45	GW					3-40mlVB	
041	B10 (TW4)		12:15							
042	B12		12:45						2-40mlVB	
043	B13		1:10							
044	B14 (TW5)		1:40							
045	B15		2:05							
046	B16		2:25							
047	Pond		7:00a.	SW						

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	5/26/16 3:50		
Watco	5/27/16 0850	pace	5/27/16 0850

PACE Project No.: 40133004

Receipt Temp = RQT °C

Sample Receipt pH ~~OK / Adjusted~~

Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: REI

Project #: WO#: 40133004

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Waltco

Tracking #: 1067895-1 1067895-2

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used: NA Type of Ice: Wet (Blue) Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROI /Corr: — Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents: Date: 5/27/16 Initials: BH

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 008 ID on Samples "BH @ 4-8" BH 5/27/16
-Includes date/time/ID/Analysis Matrix: S+W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: BH 5/27/16	☐Yes ☑No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5-27-16