



Wisconsin Department of Transportation

Phase 2.5 Environmental Sampling Investigation

Bob's Auto LUST Site, USH 8 Culvert
Village of Tony, Rusk County, Wisconsin

WisDOT Project ID 1580-04-04
WDNR BRRTS No. 03-55-000774
AECOM Project No. 60631378

December 2020

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USH 8 Culvert
Village of Tony, Rusk County, Wisconsin

WisDOT Project No. 1580-04-04
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December 7, 2020
Date



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December 7, 2020
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Acronyms and Abbreviations

µg/kg	micrograms per kilogram
bgs	Below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
D-C RCL	NR 720 Non-Industrial Direct Contact Residual Contaminant Level
IDW	Investigation derived waste
LUST	Leaking underground storage tank
mg/kg	milligram per kilogram
mg/L	milligrams per liter
Pace	Pace Analytical Services, Inc.
Phase 2.5	Phase 2.5 Environmental Sampling Investigation
PID	Photoionization detector
PVOC	Petroleum volatile organic compounds
RCL	NR 720 Residual Contaminant Level
RCL-gw	NR 720 Soil-to-Groundwater pathway Residual Contaminant Level
RCMP	Rigid corrugated metal pipe
ROW	Right of way
TCLP	Toxicity Characteristic Leaching Procedure
VES	Veolia Environmental Services
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation

1.0 Executive Summary

This report summarizes the results of a Phase 2.5 Environmental Sampling Investigation (Phase 2.5) performed for the USH 8 improvement project in Rusk County. The site of concern was Bob's Auto located at W6217 USH 8 in the Village of Tony, which has a closed leaking underground storage tank (LUST) case (BRRTS No. 03-55-000774). The LUST site responsible party is Owen Martin of Tony, Wisconsin. The work was completed in general accordance with Wisconsin Department of Transportation (WisDOT) Facilities Development Manual Procedure 21-35-12.

The purpose of the Phase 2.5 was to investigate for the presence and extent of petroleum hydrocarbon contamination within planned construction limits at the location of an existing 24-inch-diameter rigid corrugated metal pipe (RCMP) culvert under the highway on the west side of the USH 8 and Walnut Street intersection. The culvert is located immediately downgradient (east) of the Bob's Auto LUST site and will be replaced during the USH 8 improvement project.

On August 20, 2020, six direct-push soil borings were advanced next to the culvert within existing USH 8 right of way (ROW) to an approximate depth of 6 feet below ground surface (bgs), which was the anticipated depth of construction excavation. Soil samples were collected from each boring for field screening and laboratory analysis.

Field and analytical results for the soil samples collected during the Phase 2.5 indicated the following:

- The native soil type is generally silty and sandy clay beneath a cover of approximately 2 feet of highway pavement (asphalt over concrete) and base course fill.
- The depth to groundwater beneath the project site is greater than the estimated maximum depth of construction excavation at the culvert location. The need for excavation dewatering during the future culvert replacement is not likely.
- A very localized presence of benzene contaminated soil exceeding the NR 720 Soil-to-Groundwater pathway Residual Contaminant Level (RCL-gw) for benzene was detected at a depth of 2 to 3 feet bgs in Boring DP-1, which is located on the west side of the north end of the culvert (see Figure 2). The estimated quantity of benzene contaminated soil is less than 10 cubic yards.
- A very localized presence of lead contaminated soil exceeding the NR 720 Non-Industrial Contact Residual Contaminant Level (D-C RCL) and RCL-gw for total lead was detected at a depth of 3 to 4 feet bgs in Boring DP-3, which is located on the east side of the south end of the culvert (see Figure 2). The toxicity characteristic leaching analysis procedure (TCLP) analysis indicated the lead contamination is non-hazardous for the Toxicity Characteristic. The estimated quantity of lead contaminated soil is less than 10 cubic yards.

Based on the Phase 2.5 results, further site investigation is not warranted. A Notice to Contractor "Soil Contamination Within Project Limits" is warranted for the contract special provisions for the apparent localized presence of benzene and lead contaminated soil.

The most practicable and lowest cost option for managing benzene and lead contaminated soil excavated during the future culvert replacement is to obtain an NR 718.12 low-hazard exemption approval from the Wisconsin Department of Natural Resources (WDNR). Consequently, the contaminated material could be beneficially reused as fill soil at the same locations from where it is excavated. Otherwise, the excavated soil could be loaded and transported to a regional licensed landfill for off-site disposal.

2.0 General Information

2.1 Project Background

The USH 8 improvement project includes replacement of an existing 24-inch-diameter RCMP culvert at Station 661+36 on the west side of the USH 8 and Walnut Street intersection in Tony. The culvert is located immediately downgradient (east) of the LUST site at Bob's Auto. Hazardous substances released from the site included leaded and unleaded gasoline. Available LUST case file information indicates that residual petroleum contaminated soil and groundwater will remain beneath the USH 8 ROW after case closure by the WDNR.

WisDOT is planning to replace the existing culvert with a 24-inch-diameter reinforced concrete culvert pipe (RCCP) and reconstruct a nearby inlet and manhole to depths not more than 1 foot below existing elevations.

Significant project dates include:

- PS&E: November 2022
- Let: April 11, 2023
- Construction: 2023 (estimated)

A USH 8 as-built plan obtained from WisDOT for a previous construction shows the bottom of the existing culvert is approximately 4.2 feet bgs. Consequently, future construction excavation necessary to replace the culvert and reconstruct the inlet and manhole is estimated not to exceed a depth 6 feet bgs.

Available LUST case file information for Bob's Auto obtained from the WDNR indicated that depths to groundwater beneath USH 8 near the existing culvert ranged between 9.04 and 9.71 feet bgs, as measured in Monitoring Wells MW-8 and MW-14 on November 8, 2018. Therefore, the bottom of the construction excavation should not intersect the petroleum contaminated groundwater plume passing beneath the highway ROW. Monitoring wells associated with Bob's Auto LUST site were permanently abandoned in May 2020.

The LUST case was closed by the WDNR in June 2020. Post-closure Continuing Obligations were placed on the site for the following:

- Groundwater contamination is present at or above Chapter NR 140 Enforcement Standards.
- Residual soil contamination exists that must be properly managed, should it be excavated or removed.

2.2 Scope of Services

The completed Phase 2.5 scope of services included:

- Advancement of six direct-push soil borings within project limits next to the existing culvert to a maximum depth of 6 feet bgs.

- Visual classification of the soil samples obtained from borings and field screening of samples for volatile organic vapors using a photoionization detector (PID). Descriptions of soil types and PID readings were recorded on WDNR soil boring logs (WDNR Form 4400-122).
- Collection of up to two soil samples per boring, depending on sample recovery quantities, and submittal of the samples to a WDNR certified laboratory for analysis of petroleum volatile organic compounds (PVOCs), naphthalene, and lead (total).
- Laboratory analysis of one soil sample having a high-level, total lead result greater than 100 milligrams per kilogram (mg/kg) for leachable lead by the TCLP.
- Collection of one representative soil sample from soil cuttings for waste characterization. Submitted the waste characterization sample to the laboratory for Veolia Environmental Services (VES) Protocol T1 analysis.
- Borehole closure in accordance with the requirements of Wisconsin Administrative Code, Chapter NR 141. The surface pavement was patched with cold-patch asphalt where soil borings penetrated the highway.
- Investigation derived waste (IDW) (soil cuttings) generated at the site was containerized and placed in a local temporary storage area until pickup at a later date.
- Submittal of an IDW pickup request to VES.
- Preparation of this report documenting the Phase 2.5 investigation and results.

2.3 Site Information

General site information includes:

Location: Southeast 1/4 of the Southeast 1/4, Section 28, Township 35 North, Range 5 West
(see Figure 1)

Address: W6217 USH 8, Tony, Wisconsin

County: Rusk

USH 8 Stationing (approximate): Station 661+36 (existing culvert)

GPS Coordinates: Latitude 45.48° N
Longitude 90.99° W

WTM Coordinates: X 442474, Y 557064

2.4 Description of Field Investigation

On August 20, 2020, six direct-push soil borings (DP-1 and DP-6) were advanced at locations straddling the existing culvert beneath USH 8 ROW (see Figure 2). No soil borings were advanced beyond ROW limits. Soil boring depths were based on an anticipated construction excavation depth of 6 feet bgs. The borings were advanced using a truck-mounted hydraulic direct-push drilling rig operated by Geiss Soil & Samples, LLC, Merrill, Wisconsin. Site photographs are presented in Appendix A. Copies of Bentley gINT® boring logs (WDNR Form 4400-122) are provided in Appendix B.

Soil samples were collected continuously from the direct-push sampler and field screened using a PID. The PID is capable of detecting and measuring relative concentrations of volatile organic vapors in the soil gas. PID readings were recorded on the soil boring logs. Soil gas monitoring procedures are described in Appendix C.

Up to two soil samples were collected from each boring for laboratory analysis by Pace Analytical Services, Inc. (Pace). The samples submitted for laboratory analysis were collected from the direct contact zone (uppermost 4 feet) and near the borehole bottom because PID readings did not detect the presence of volatile vapors. Soil sampling procedures are described in Appendix D.

After completion of sampling, the borings were abandoned with bentonite in general accordance with the requirements of Wis. Admin. Code Chapter NR 141. The surface pavement was patched with cold-patch asphalt where soil borings penetrated the highway. Copies of completed borehole abandonment forms (WDNR Form 3300-005) are presented in Appendix E.

Soil cuttings generated during borehole advancement were containerized in one 5-gallon plastic bucket with snap-on lid, identified with a WisDOT label, and temporarily stored at the Village of Tony municipal building located on Maple Street. AECOM emailed a non-hazardous IDW pickup request to VES with supporting documentation on September 16, 2020. AECOM received an email from Zach Davis of VES that the IDW bucket would be picked up on September 29, 2020. IDW disposal request documentation is presented in Appendix F.

2.5 Subsurface Conditions

Approximately 2 feet of highway pavement (asphalt over concrete) and base course fill were penetrated by the direct-push rig. Underlying native soil generally included brown silty and sandy clay from approximately 2 feet bgs to the boring termination depths.

Field screening results did not indicate the presence of volatile organic vapor, odor, or visible staining in any of the soil borings.

Groundwater was not encountered in the boreholes during advancement.

2.6 Analytical Parameters and Results

Analytical parameters were selected in general accordance with WisDOT and WDNR guidance for investigations of LUST sites. The soil samples submitted to Pace were analyzed for PVOCs plus naphthalene and total lead. Analytical results for soil samples were compared against Wisc. Admin. Code, Chapter NR 720 non-industrial direct contact and groundwater pathway residual contaminant levels (RCLs), updated December 2018. Standard analytical procedures are discussed in Appendix G. Analytical results for soil samples are summarized in Table 1. Copies of the Pace laboratory report and sample chain of custody form are provided in Appendix H.

One soil sample collected from Boring DP-3 (3 to 4 feet bgs) having a total lead result greater than 100 milligrams/kilograms (mg/kg) was analyzed by Pace for leachable lead using the TCLP method.

One representative soil sample was collected from soil cuttings generated during borehole advancement for the purpose of waste characterization. The sample was analyzed by Pace for Veolia Protocol T1 analysis, including free liquids, flash point, lead (total), benzene (total), diesel range organics and gasoline range organics.

2.6.1 Soil

Benzene was detected at a concentration of 57.9 µg/kg in the soil sample collected from Boring DP-1 (2 to 3 feet bgs), which exceeded the RCL-gw of 5.2 µg/kg for benzene.

PVOCs and naphthalene were reported below detection limits in all soil samples collected from Borings DP-2 through DP-6.

Total lead was detected at 529 mg/kg in the soil sample collected from Boring DP-3 (3 to 4 feet bgs), which exceeded the D-C RCL of 400 mg/kg and RCL-gw of 27 mg/kg for lead.

The TCLP lead result for the soil sample collected from Boring DP-3 (3 to 4 feet bgs) was 0.18 milligrams per Liter (mg/L), which indicated the lead in soil was non-hazardous for the toxicity characteristic.

Total Lead was reported below the RCL-gw of 27 mg/kg for lead in all soil samples collected from Borings DP-1, DP-2, DP-4, DP-5, and DP-6.

2.6.2 Waste Characterization

Laboratory analytical results for waste characterization (Veolia Protocol T1) were below Wisconsin regulatory standards and confirmed that containerized soil cuttings generated by drilling and sampling were non-hazardous solid waste.

2.7 Conclusions and Recommendations

Field and analytical results for the soil samples collected during the Phase 2.5 indicated the following:

- The native soil type is generally silty and sandy clay beneath a cover of approximately 1 to 2 feet of highway pavement (asphalt over concrete) and base course fill.
- The depth to groundwater beneath the project site is greater than the estimated maximum depth of construction excavation at the culvert location. The need for excavation dewatering during the future culvert replacement is not likely.
- A very localized presence of benzene contaminated soil exceeding the RCL-gw for benzene was detected at a depth of 2 to 3 feet bgs in Boring DP-1, which is located on the west side of the north end of the culvert (see Figure 2). The estimated quantity of benzene contaminated soil is less than 10 cubic yards.
- A very localized presence of lead contaminated soil exceeding the D-C RCL and RCL-gw for total lead was detected at a depth of 3 to 4 feet bgs in Boring DP-3, which is located on the east side of the south end of the culvert (see Figure 2). The TCLP analysis indicated the lead contamination is non-hazardous for the Toxicity Characteristic. The estimated quantity of lead contaminated soil is less than 10 cubic yards.

Based on the Phase 2.5 results, further site investigation is not warranted. A notice to contractor "Soil Contamination Within Project Limits" is warranted for the contract special provisions with respect to the apparent localized presence of benzene and lead contaminated soil.

The most practicable and lowest cost option for managing benzene and lead contaminated soil excavated during the future culvert replacement is to obtain an NR 718.12 low-hazard exemption approval from the WDNR. Consequently, the contaminated material could be beneficially reused as fill soil at the same locations from where it is excavated. Otherwise, the excavated soil could be loaded and transported to a regional licensed landfill for off-site disposal.

3.0 Limitations

AECOM's scope of services was limited to performing a Phase 2.5 at the location of a proposed culvert replacement within the USH 8 ROW adjacent to the Bob's Auto LUST site.

AECOM's opinion regarding existing conditions at the site does not constitute a guarantee or warranty as to the potential environmental liability associated with the site. Furthermore, the findings and conclusions given are not scientific certainties, but rather probabilities based on data obtained or activities performed during this assessment and professional judgment concerning the significance of this data. Information was collected in accordance with generally accepted professional standards and practices, accepted in good faith, and are assumed to be factual and accurate.

AECOM is not able to determine whether the site or adjoining land areas contain hazardous waste, oil, or other latent conditions beyond those detected or observed by AECOM at the time the investigation was conducted. The possibility exists for contaminants to migrate through the surface water, air, or groundwater. Detailed analysis and discussion of the environmental risk associated with contaminant transport in these media was beyond the scope of this assessment.

The findings, conclusions, and opinion contained in this report are intended for exclusive use by WisDOT and are applicable only to this Phase 2.5. AECOM has no obligations to other persons or organizations that may use or rely upon this information.

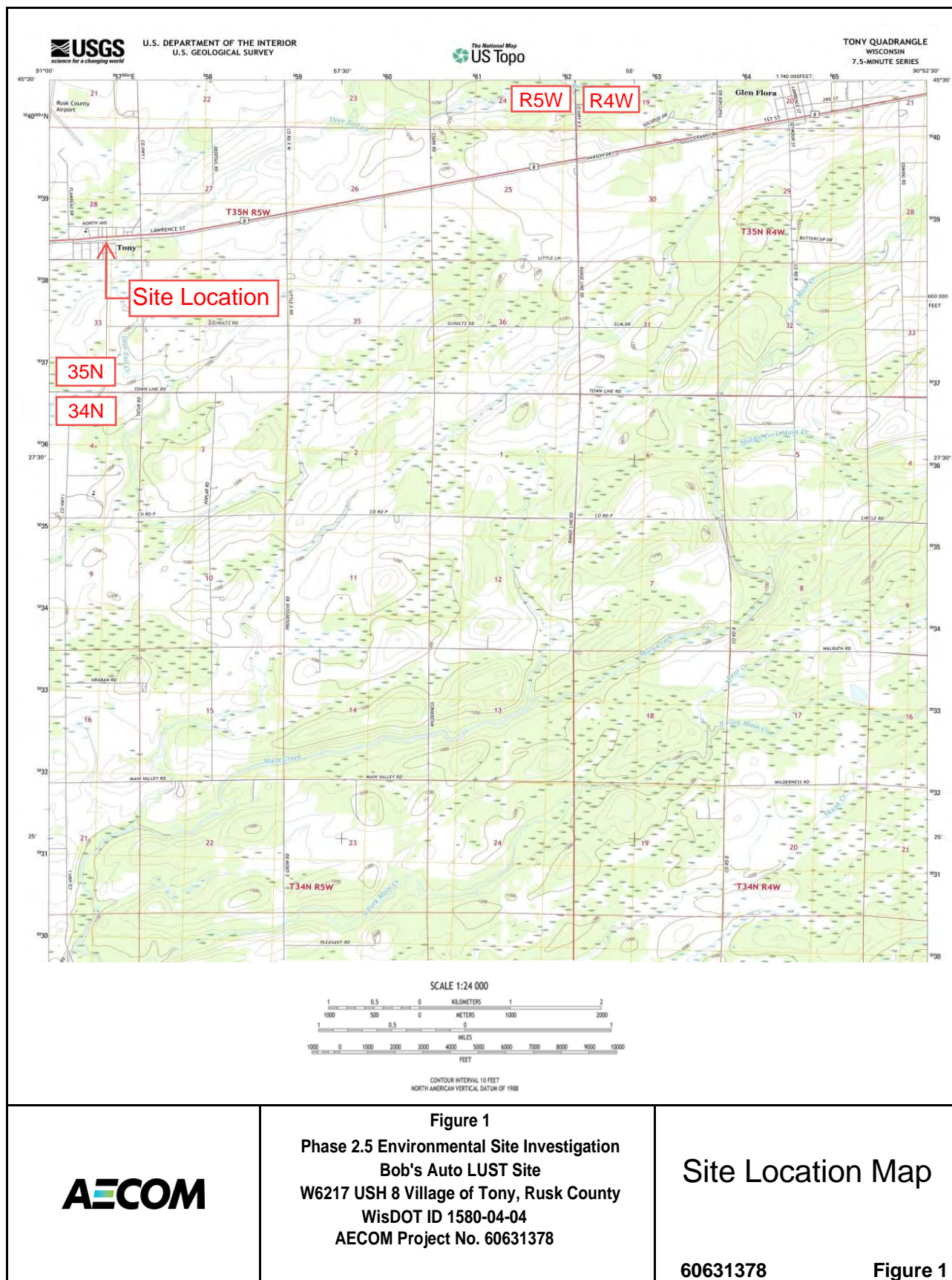
4.0 References

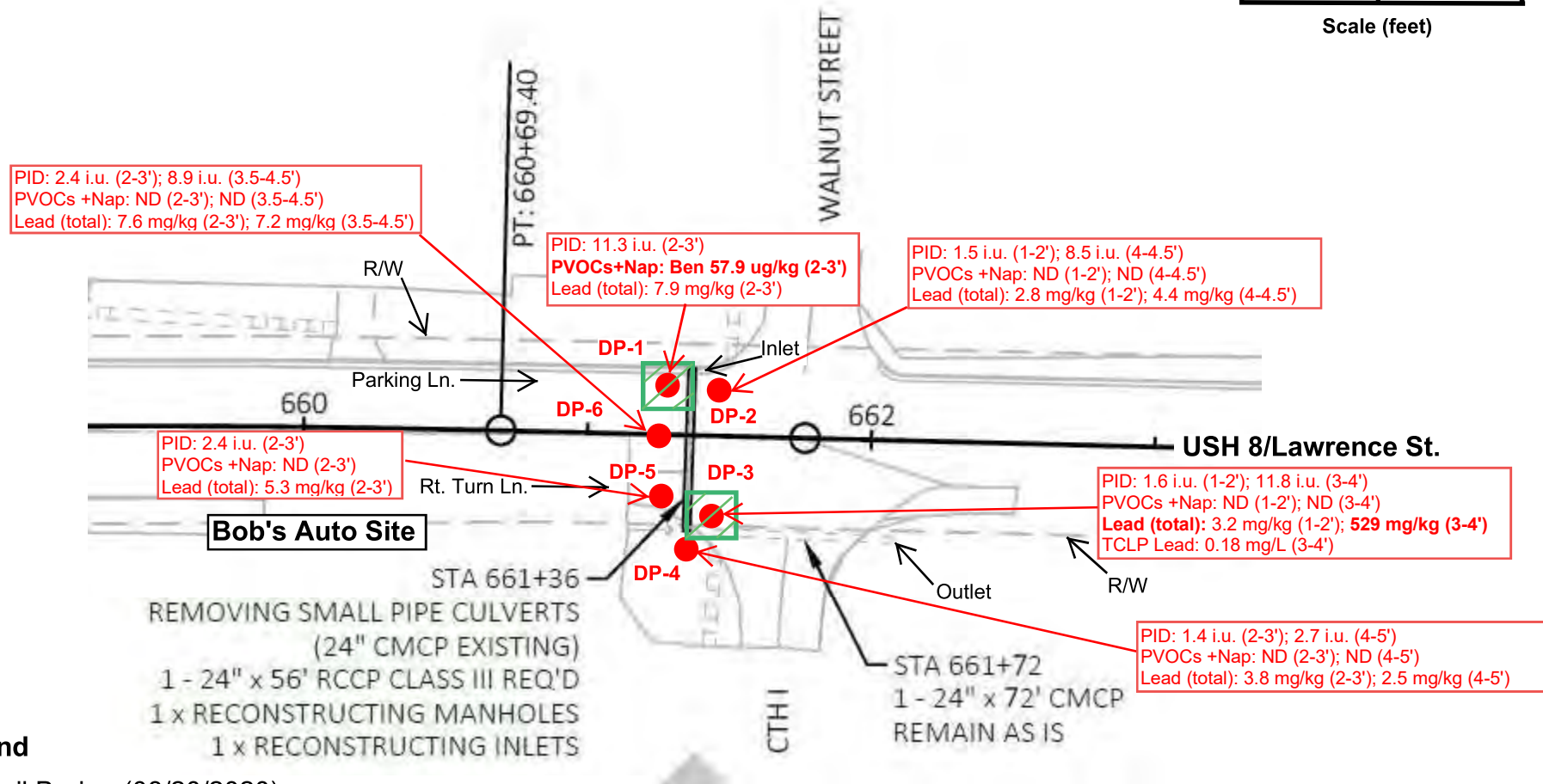
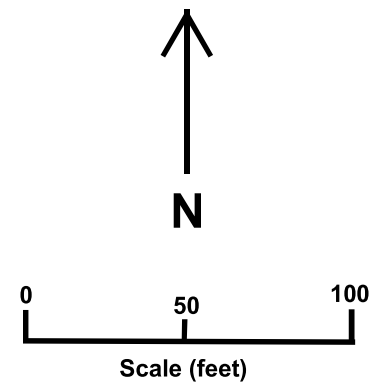
U.S. Geological Survey. Tony, Wis., 7.5'-Minute Quadrangle.

Wisconsin Department of Natural Resources Remediation and Redevelopment Program, RCL spreadsheet, Updated December 2018.

Figures







Legend

● Soil Boring (08/20/2020)

Ben= Benzene

mg/kg= milligrams per kilogram

ug/kg= micrograms per kilogram

mg/L = milligrams per Liter

ND= not detected



= Approximate Area of Soil Contamination

Figure 2

Site Plan

Phase 2.5 Environmental Site Investigation
Bob's Auto LUST Site
W6217 USH 8 Village of Tony, Rusk County
WisDOT ID 1580-04-04
AECOM Project No. 60631378

Table 1

Soil Sample Analytical Results



Table 1

Phase 2.5 Soil Sample Analytical Results

Bob's Auto LUST Site

W6217 USH 8, Village of Tony, Rusk County

AECOM Project No. 60631378

WisDOT ID 1580-04-04

Sample ID: Approximate Sample Depth (feet): PID Readings (i.u.): Sample Date:				DP-1	DP-2	DP-2	DP-3	DP-3	DP-4	DP-4	DP-5	DP-6	DP-6	WC-082020
				(2-3')	(1-2')	(4-4.5')	(1-2')	(3-4')	(2-3')	(4-5')	(2-3')	(2-3')	(3.5-4.5')	--
				11.3	1.5	8.5	1.6	11.8	1.4	2.7	2.4	2.4	8.9	--
				8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020	8/20/2020
Analyte	NR 720 Direct Contact RCLs		NR 720 Soil-to-Groundwater Pathway RCL	Results										
	Non-Industrial	Industrial												
PVOCs + NAPH (µg/kg)														
Benzene	1,600	7,070	5.2	57.9 J	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
Ethylbenzene	8,000	35,400	1,600	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
Methyl-tert-butyl ether	63,800	282,000	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
Naphthalene	5,520	24,100	660	<27.3	<27.3	<27.3	<27.3	<27.3	<27.3	<27.3	<27.3	<27.3	<27.3	N/A
Toluene	818,000	818,000	1,100	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
1,2,4-Trimethylbenzene	219,000	219,000	1,400	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
1,3,5-Trimethylbenzene	182,000	182,000	1,400	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	N/A
m&p-Xylene	778,000	778,000	--	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	N/A
o-Xylene	434,000	434,000	--	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	N/A
Total Metals by EPA Method 6010 (mg/kg)														
Lead	400	800	27.0	7.9	2.8	4.4	3.2	529	3.8	2.5	5.3	7.6	7.2	9.5
TCLP Metals by EPA Method 6010/3010/1311 (mg/L)														
Lead	--	--	--	--	--	--	--	0.18	--	--	--	--	--	--
Waste Characterization														
Flashpoint (1010 Flashpoint, closed cup) deg. F	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	>200
Free Liquids (9095 Paint Filter Liquid Test) no units	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Pass
Percent Moisture	--	--	--	16.4	4.6	13.9	6.0	12.1	10.3	7.1	11.3	16.6	19.4	16.7
Diesel Range Organics (mg/kg)	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	43.1
Benzene (µg/kg)	1,600	7,070	5.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25
Ethylbenzene (µg/kg)	8,000	35,400	1,600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25
Gasoline Range Organics (mg/kg)	--	--	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10.9
Methyl-tert-butyl ether (µg/kg)	63,800	282,000	27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25
Toluene (µg/kg)	5,520	24,100	660	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25
1,2,4-Trimethylbenzene (µg/kg)	818,000	818,000	1,100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.9 J
1,3,5-Trimethylbenzene (µg/kg)	219,000	219,000	1,400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25
Xylene, total (µg/kg)	182,000	182,000	1,400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
m&p-Xylene (µg/kg)	778,000	778,000	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<50
o-Xylene (µg/kg)	434,000	434,000	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<25

- Notes:
- Non-Industrial and Industrial Not-to-Exceed Direct-Contact Residual Contaminant Levels taken from the WDNR’s NR 720 RCLs spreadsheet, updated December 2018.
 - Soil-to-Groundwater Pathway Residual Contaminant Level, DF = 2, taken from the WDNR's NR 720 RCLs spreadsheet, updated December 2018.
 - µg/kg = micrograms per kilogram
 - mg/kg - milligrams per kilogram
 - i.u. = instrument units
 - Bold result indicates NR 720 RCL exceedance (any).
 - J = Estimated concentration at or above the LOD and below the LOQ.
 - Ambient air PID reading= 1.7
 - Landfill limit for TCLP lead is 5.0 mg/L.

Appendix A

Photograph Log



Site Name:
Bob's Auto LUST Site

Site Location:
USH 8, Village of Tony, Rusk County

Project No.
60631378

Photo No. 1	Date: 8/20/2020
Direction Photo Taken: Northeast	
Description: USH 8 intersection at Walnut Street/County I	



Photo No. 2	Date: 8/20/2020
Direction Photo Taken: Northeast	
Description: Orange cone denotes location of storm culvert under USH 8.	



Site Name:
Bob's Auto LUST Site

Site Location:
USH 8, Village of Tony, Rusk County

Project No.
60631378

Photo No. 3	Date: 8/20/2020
Direction Photo Taken: Southeast	
Description: USH 8 intersection at Walnut Street/County I; orange cone denotes location of storm culvert under USH 8.	



Photo No. 4	Date: 8/20/2020
Direction Photo Taken: Southeast	
Description: Direct-push rig advancing a soil boring at the northwest corner of the USH 8 intersection of Walnut Street/County I.	



Site Name:
Bob's Auto LUST Site

Site Location:
USH 8, Village of Tony, Rusk County

Project No.
60631378

Photo No. 5	Date: 8/20/2020
Direction Photo Taken: Northeast	
Description: Direct-push rig advancing soil borings in the right turn lane at the USH 8 intersection of Walnut Street/ County I	



Photo No. 6	Date: 8/20/2020
Direction Photo Taken: Not Applicable	
Description: Typical subsurface soil recovered by direct-push sampler	



Appendix B

Soil Boring Logs



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

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane N, E S/C/N			Lat ° ' "			
SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Long ° ' "			
Facility ID		County Rusk	County Code 55	Civil Town/City/ or Village Village of Tony		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0.5	Light brown to brown, silty clay, very soft, high plasticity, dry				1.6							Sample
			1.0												
			1.5												
			2.0												
			2.5												
			3.0	No recovery				11.3							
			3.5												
			4.0												
			4.5												
			5.0												
			5.5	End of Boring at 6.0 feet											
			6.0												

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

Signature 	Firm AECOM 200 Indiana Avenue, Stevens Point, Wisconsin 54481
--	--

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this 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.

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

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Lat _____ ' _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ ' _____ " <input type="checkbox"/> S <input type="checkbox"/> W			
Facility ID		County Rusk	County Code 55	Civil Town/City/ or Village Village of Tony		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID	Soil Properties						RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0.5	Asphalt, concrete, gravel, fill material				1.5						Sample	
			1.0												
			1.5												
			2.0	Dark brown, silty sandy clay, very soft, high plasticity, dry				6.9							
			2.5												
			3.0												
			3.5												
			4.0					8.5						Sample	
			4.5	No Recovery											
			5.0												
			5.5												
			6.0	End of Boring at 6.0 feet											

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

Signature 	Firm AECOM 200 Indiana Avenue, Stevens Point, Wisconsin 54481
--	--

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this 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.

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

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WI Unique Well No.		DNR Well ID No.		Common Well Name		
				Final Static Water Level Feet MSL		Surface Elevation Feet MSL
						Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Lat _____° _____' _____" <input type="checkbox"/> N <input type="checkbox"/> E Long _____° _____' _____" <input type="checkbox"/> S <input type="checkbox"/> W			
Facility ID		County Rusk		County Code 55		Civil Town/City/ or Village Village of Tony

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0.5	Light to dark brown, sand, silt, gravel, dry, very poorly sorted				1.6						Sample
			1.0											
			1.5											
			2.0											
			2.5											
			3.0											
			3.5	No Recovery				11.8					Sample, Light Odor	
			4.0											
			4.5											
			5.0											
			5.5											
			6.0											
			6.0	End of Boring at 6.0										

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

Signature 	Firm AECOM 200 Indiana Avenue, Stevens Point, Wisconsin 54481
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
					Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane N, E S/C/N			Lat ° ' "			
SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Long ° ' "			
Facility ID		County Rusk	County Code 55	Civil Town/City/ or Village Village of Tony		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0.5	Light brown, silty clay, very soft, high plasticity				1.4							Sample
			1.0												
			1.5												
			2.0												
			2.5	Brown, sandy silt, dry, unconsolidated, trace gravel				1.4							
			3.0												
			3.5												
			4.0												
			4.5	No Recovery				1.5							
			5.0												
			5.5												
			6.0												
			6.0	End of Boring at 6.0 feet				2.7							Sample

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

Signature 	Firm AECOM 200 Indiana Avenue, Stevens Point, Wisconsin 54481
---	---

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

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane N, E S/C/N			Lat ° ' "			
SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Long ° ' "			
Facility ID		County Rusk	County Code 55	Civil Town/City/ or Village Village of Tony		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	P I D	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0.5	Asphalt, gravel, fill material				1.7						Sample
			1.0											
			1.5											
			2.0	Light brown, silty clay, very soft, high plasticity, damp				2.4						
			2.5											
			3.0	No Recovery										
			3.5											
			4.0											
			4.5											
			5.0											
			5.5											
			6.0	End of Boring at 6.0 feet										

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

Signature  Firm **AECOM**
200 Indiana Avenue, Stevens Point, Wisconsin 54481 *

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

Page 1 of 1

Facility/Project Name USH8			License/Permit/Monitoring Number		Boring Number DP-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss			Date Drilling Started 8/20/2020		Date Drilling Completed 8/20/2020	
					Drilling Method Direct Push	
WVI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
					Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane N, E S/C/N			Lat ° ' "			
SE 1/4 of SE 1/4 of Section 28, T 35 N, R 5 W			Long ° ' "			
Facility ID		County Rusk	County Code 55	Civil Town/City/ or Village Village of Tony		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	P I D	Soil Properties					P 200	RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			0.5	Light brown, silty clay, very soft, high plasticity, dry				2.4						Sample	
			1.0												
			1.5												
			2.0												
			2.5												
			3.0												
			3.5												
			4.0												
			4.5												
			5.0												
			5.5												
			6.0	No Recovery									Sample		
			6.0	End of Boring at 6.0 feet											

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

Signature	Firm AECOM 200 Indiana Avenue, Stevens Point, Wisconsin 54481
-----------	---

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Appendix C

Soil Gas Monitoring



Soil Gas Monitoring

PID Model: Process Analyzers DL-102

Probe: 10.2 eV Lamp

Calibration Gas: 100 parts per million Isobutylene/Air

The PID was calibrated before and after sampling was conducted.

Soil gas readings for specified depth intervals were obtained using the headspace method. Soil samples were placed in plastic Ziploc bags and the air in each bag was allowed to equilibrate with the soil sample for up to 30 minutes. If the outside air temperature was below 70 degrees Fahrenheit, the soil samples were heated. The PID probe was then inserted into the bag headspace and the instrument reading was recorded.

Appendix D

Standard Sampling Procedures



Standard Sampling Procedures

Soil samples were collected continuously from the soil probe using 2-inch diameter samplers with disposable plastic liners. Samples collected for laboratory analysis were removed from the liners and placed directly into laboratory-supplied glass jars using new protective gloves. Protective gloves were disposed after collecting each sample. The liners were replaced between samples. Soil samples were preserved according to WDNR and U.S. Environmental Protection Agency protocol.

Groundwater samples were not collected from the site.

Appendix E

Borehole Abandonment Forms



Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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

<input type="checkbox"/> Verification Only of Fill and Seal	Route to:	
	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater
	<input type="checkbox"/> Waste Management	<input checked="" type="checkbox"/> Remediation/Redevelopment
	<input type="checkbox"/> Other: _____	

1. Well Location Information				2. Facility / Owner Information			
County <u>Rusk</u>	MI Unique Well # of Removed Well _____	Hicap # _____		Facility Name <u>Bob's Auto LUST Site</u>			
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W			Method Code (see instructions) <u>DP-1</u>	Facility ID (FID or PWS) _____			
1/4 1/4 <u>SE</u> 1/4 <u>SE</u> or Gov't Lot #			Section <u>28</u>	Township <u>35 N</u>	Range <u>5</u>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	License/Permit/Monitoring # _____
Well Street Address <u>USH 8</u>				Original Well Owner <u>WisDOT</u>			
Well City, Village or Town <u>Village of Tony</u>				Present Well Owner <u>WisDOT</u>			
Subdivision Name _____				Mailing Address of Present Owner <u>PO Box 7965 5th floor</u>			
Well ZIP Code <u>54563</u>				City of Present Owner <u>Madison</u>		State <u>WI</u>	ZIP Code <u>53707-7965</u>
Reason For Removal From Service <u>Sampling Complete</u>				4. Pump, Liner, Screen, Casing & Sealing Material			
MI Unique Well # of Replacement Well _____				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
3. Well / Drillhole / Borehole Information				Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <u>8/20/20</u>		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Other (specify): <u>Direct Push</u>				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type:				If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Required Method of Placing Sealing Material			
Total Well Depth From Ground Surface (ft.) <u>6'</u>				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Casing Diameter (in.) <u>N/A</u>				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>Gravity</u>			
Lower Drillhole Diameter (in.) <u>N/A</u>				Sealing Materials			
Casing Depth (ft.) <u>N/A</u>				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
If yes, to what depth (feet)? _____				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
Depth to Water (feet) _____				For Monitoring Wells and Monitoring Well Boreholes Only:			
5. Material Used To Fill Well / Drillhole				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Mix Ratio or Mud Weight				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
<u>3/4" Bentonite chips</u>				<u>Surface</u> <u>6</u> <u>1/10 Sack</u>			
_____				_____			
_____				_____			
6. Comments _____							

7. Supervision of Work:				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>Geiss Soil & Samples LLC</u>	License # _____	Date of Filling & Sealing (mm/dd/yyyy) <u>08/20/2020</u>	Date Received _____	Noted By _____	
Street or Route <u>W4490 Pope Rd</u>		Telephone Number <u>(715) 539-3928</u>		Comments _____	
City <u>Merrill</u>	State <u>WI</u>	ZIP Code <u>54452</u>	Signature of Person Doing Work <u>Barrin Prentice</u>		Date Signed <u>8/20/20</u>

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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

<input type="checkbox"/> Verification Only of Fill and Seal	Route to:		
	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment
	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	

1. Well Location Information				2. Facility / Owner Information			
County Rusk	WI Unique Well # of Removed Well _____	Hicap # _____		Facility Name Bob's Auto LUST Site			
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W		Method Code (see instructions) DP-2		Facility ID (FID or PWS) _____			
License/Permit/Monitoring # _____				Original Well Owner WisDOT			
1/4 1/4 SE 1/4 SE or Gov't Lot #		Section 28	Township 35 N	Range 5	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Present Well Owner WisDOT	
Well Street Address USH 8				Mailing Address of Present Owner PO Box 7965 5th floor			
Well City, Village or Town Village of Tony		Well ZIP Code 54563		City of Present Owner Madison		State WI	ZIP Code 53707-7965
Subdivision Name _____		Lot # _____					

Reason For Removal From Service Sampling complete	WI Unique Well # of Replacement Well _____
---	---

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 8/20/20	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Direct Push	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 6'	Casing Diameter (in.) N/A	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) N/A	Casing Depth (ft.) N/A	Required Method of Placing Sealing Material	
Was well annular space grouted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? _____	Depth to Water (feet) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity	
5. Material Used To Fill Well / Drillhole		Sealing Materials	
From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Mix Ratio or Mud Weight		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
3 1/4" Bentonite Chips		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

6. Comments			

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Geiss Soil & Samples LLC	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 08/20/2020	Date Received _____	Noted By _____
Street or Route W4490 Pope Rd		Telephone Number (715) 539-3928	Comments _____	
City Merrill	State WI	ZIP Code 54452	Signature of Person Doing Work Darrin Prentice	Date Signed 8/20/20

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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<input type="checkbox"/> Verification Only of Fill and Seal	Route to:		
	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment
	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	

1. Well Location Information				2. Facility / Owner Information			
County Rusk	WI Unique Well # of Removed Well _____	Hicap # _____		Facility Name Bob's Auto LUST Site			
Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W		Method Code (see instructions) DP-3		Facility ID (FID or PWS) _____			
1/4 1/4 SE 1/4 SE		Section 28	Township 35 N	Range 5	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Original Well Owner WisDOT	
or Gov't Lot # _____						Present Well Owner WisDOT	
Well Street Address USH 8				Mailing Address of Present Owner PO Box 7965 5th floor			
Well City, Village or Town Village of Tony		Well ZIP Code 54563		City of Present Owner Madison		State WI	ZIP Code 53707-7965
Subdivision Name _____		Lot # _____					

Reason For Removal From Service Sampling complete	WI Unique Well # of Replacement Well _____
---	---

3. Well / Drillhole / Borehole Information	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 8/20/20
If a Well Construction Report is available, please attach. _____	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Direct Push	

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth From Ground Surface (ft.) 6'	Casing Diameter (in.) N/A
Lower Drillhole Diameter (in.) N/A	Casing Depth (ft.) N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)? _____	Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material	
Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input checked="" type="checkbox"/> Other (Explain): Gravity
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole 3/4" Bentonite Chips	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	6	1/10 Sack	

6. Comments _____

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Grass Soil & Samples LLC	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 08/20/2020	Date Received _____	Noted By _____	
Street or Route W4490 Pope Rd		Telephone Number (715) 539-3928	Comments _____		
City Merrill	State WI	ZIP Code 54452	Signature of Person Doing Work Darrin Prentice		Date Signed 8/20/20

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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☐ Verification Only of Fill and Seal

Route to:

☐ Drinking Water

☐ Watershed/Wastewater

☒ Remediation/Redevelopment

☐ Waste Management

☐ Other: _____

1. Well Location Information

County Rusk WI Unique Well # of Removed Well _____ Hicap # _____
Latitude / Longitude (Degrees and Minutes) _____ Method Code (see instructions) DP-4
_____ 'N
_____ 'W

1/4 SE 1/4 SE Section Township Range ☐ E
or Gov't Lot # 28 35 N 5 ☒ W

Well Street Address

US 48

Well City, Village or Town

Village of Tony

Well ZIP Code

54563

Subdivision Name

Lot #

2. Facility / Owner Information

Facility Name Bob's Auto LUST Site

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

WISDOT

Present Well Owner

WISDOT

Mailing Address of Present Owner

PO Box 7965 5th floor

City of Present Owner

Madison

State

WI

ZIP Code

53707-7965

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

Sampling complete

3. Well / Drillhole / Borehole Information

☐ Monitoring Well

☐ Water Well

☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)

8/20/20

If a Well Construction Report is available, please attach.

Construction Type:

☐ Drilled

☐ Driven (Sandpoint)

☐ Dug

☒ Other (specify): Direct Push

Formation Type:

☒ Unconsolidated Formation

☐ Bedrock

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

6'

N/A

Lower Drillhole Diameter (in.)

N/A

Casing Depth (ft.)

N/A

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

Pump and piping removed? ☐ Yes ☐ No ☒ N/A

Liner(s) removed? ☐ Yes ☐ No ☒ N/A

Screen removed? ☐ Yes ☐ No ☒ N/A

Casing left in place? ☐ Yes ☐ No ☒ N/A

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

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

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

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

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

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity

☐ Conductor Pipe-Pumped

☐ Screened & Poured (Bentonite Chips)

☒ Other (Explain): Gravity

Sealing Materials

☐ Neat Cement Grout

☐ Clay-Sand Slurry (11 lb./gal. wt.)

☐ Sand-Cement (Concrete) Grout

☐ Bentonite-Sand Slurry "

☐ Concrete

☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips

☐ Bentonite - Cement Grout

☐ Granular Bentonite

☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)

To (ft.)

No. Yards, Sacks Sealant or Volume (circle one)

Mix Ratio or Mud Weight

3 1/4" Bentonite Chips

Surface

6

1/10 sack

6. Comments

7. Supervision of Work

DNR Use Only

Name of Person or Firm Doing Filling & Sealing

License #

Date of Filling & Sealing (mm/dd/yyyy)

Date Received

Noted By

Geiss Soil & Samples LLC

08/20/2020

Street or Route

W4490 Pope Rd

Telephone Number

(715) 539-3928

Comments

City

Merriell

State

WI

ZIP Code

54552

Signature of Person Doing Work

Darrin Prentice

Date Signed

8/20/20

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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<input type="checkbox"/> Verification Only of Fill and Seal	Route to:	
	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Waste Management	<input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Rusk	WI Unique Well # of Removed Well _____	Hicap # _____		Facility Name Bob's Auto LUST Site			
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W		Method Code (see instructions) DP-5		Facility ID (FID or PWS) _____			
1/4 SE 1/4 SE or Gov't Lot #		Section 28	Township 35 N	Range 5	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	Original Well Owner WisDOT	
Well Street Address USH 8				Present Well Owner WisDOT			
Well City, Village or Town Village of Tony				Mailing Address of Present Owner PO Box 7965 5th floor			
Subdivision Name _____				City of Present Owner Madison	State WI	ZIP Code 53707-7965	
Reason For Removal From Service Sampling complete		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole				Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Original Construction Date (mm/dd/yyyy) 8/20/20				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
If a Well Construction Report is available, please attach. _____				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Direct Push				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 6'				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Diameter (in.) N/A				If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) N/A				If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Depth (ft.) N/A				Required Method of Placing Sealing Material			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
If yes, to what depth (feet)? _____				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
Depth to Water (feet) _____				Sealing Materials			
5. Material Used To Fill Well / Drillhole				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
From (ft.)				To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	
314" Bentonite chips				Surface	6	1/10 Sack	

6. Comments _____

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Geiss Soil & Samples LLC	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 08/20/2020	Date Received _____	Noted By _____	
Street or Route W4490 Pope Rd		Telephone Number (715) 539-3928		Comments _____	
City Merrill	State WI	ZIP Code 54452	Signature of Person Doing Work Darrin Prentice		Date Signed 8/20/20

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Page 1 of 2

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<input type="checkbox"/> Verification Only of Fill and Seal	Route to:
	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Rusk	WI Unique Well # of Removed Well _____	Hicap # _____		Facility Name Bob's Auto LUST Site			
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W		Method Code (see instructions) DP-6		Facility ID (FID or PWS) _____			
License/Permit/Monitoring # _____		Original Well Owner WisDOT		Present Well Owner WisDOT			
Well Street Address USH 8		Mailing Address of Present Owner PO Box 7965 5th floor		City of Present Owner Madison			
Well City, Village or Town Village of Tony		Well ZIP Code 54563		State WI		ZIP Code 53707-7965	
Subdivision Name _____		Lot # _____					

Reason For Removal From Service Sampling complete	WI Unique Well # of Replacement Well _____
3. Well / Drillhole / Borehole Information	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 8/20/20 If a Well Construction Report is available, please attach.
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Direct Push	

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	4. Pump, Liner, Screen, Casing & Sealing Material	
Total Well Depth From Ground Surface (ft.) 6'	Casing Diameter (in.) N/A	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) N/A	Casing Depth (ft.) N/A	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)?	Depth to Water (feet)	Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
		Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
		If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

5. Material Used To Fill Well / Drillhole 3/4" Bentonite chips	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	6	1/10 Sack	

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Grass Soil & Samples LLC	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 08/20/2020	Date Received _____	Noted By _____
Street or Route W4490 Pope Rd		Telephone Number (715) 539-3928	Comments _____	
City Merrill	State WI	ZIP Code 54452	Signature of Person Doing Work Darrin Prentice	Date Signed 8/20/20

Appendix F

Waste Disposal Request Documentation



Wagoner, Kyle

From: Wagoner, Kyle
Sent: Wednesday, September 16, 2020 2:55 PM
To: zach.davis@veolia.com
Cc: DOT Hazmat Unit e-Mailbox (dothazmatunit@dot.wi.gov); aaron.gustafson@dot.wi.gov
Subject: IDW Pick-up Request - Phase 2.5 at Bob's Auto LUST Site, Tony, Rusk County, WI (WisDOT 1580-04-04)
Attachments: WisDOT form dt1229.pdf; Waste Char Lab_Report (Pace).pdf; IDW Bucket Location (USH 8 - Tony, WI).pdf; IMG_3263.JPG; IMG_3261.JPG; IMG_3262.JPG

Hello Zach....Please process and schedule the attached IDW bucket pick-up request at your earliest opportunity. Don't hesitate to contact me if you have any Q's or need anything else.

Thank you,

Kyle

Kyle Wagoner, P.G., CHMM
Project Manager
Environment
D 715.342.3038
Internal Cisco Extension 2103038
kyle.wagoner@aecom.com

AECOM
200 Indiana Avenue, Stevens Point, WI 54481
T 715.341.8110 F 715.341.7390

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NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 6/2016 (For use with DT1208)

DTSD Region and Office Northwest - Superior		
WisDOT Project ID 1580-04-04	County Rusk	Highway and Termini USH 8, Ladysmith to Prentice
Site Name Bob's Auto LUST Site in Tony, WI		Phase of Investigation 2.5
Consultant Company AECOM		
Consultant Contact Kyle Wagoner		
Contact (Area Code) Telephone Number 715-342-3038		
Contact Email Address kyle.wagoner@aecom.com		
Consultant ID for this Site 60631378		
Generation Date (m/d/yyyy) 8/20/2020		
Comments, special instructions for pickup or site access One 5-gallon bucket of soil cuttings is temporarily stored next to the Village of Tony municipal building on Maple Street (see photos and location map). The site investigated is a closed LUST site (retail gasoline). Waste characterization for soil is Veolia Protocol T1.		

Waste Description – describe containers of similar size and contents in one row. Insert additional rows as needed. <i>Number and Label Each Container.</i>				
Container ID Number	Container Size and Type	Estimated Volume of Waste	Source: Tank, Well, Boring	Contents: Soil, Water, Other (Describe)
Example: 1, 4, 5, 6, 7, 18, 22, 23	Example: 30 gallon metal drum	Example: 8 drums x 30 gal = 240 gallons	Example: monitoring wells # MW3, MW4, and MW7	Example: wash water,alconox
1	5 gal plastic bucket	5 gals	Soil Borings	Soil
Total Number of Containers to be picked up: 1				

Container Location: Attach map or site sketch to Email

Analytical Results: Attach analytical results to Email

Email one copy of this form to each of the following:

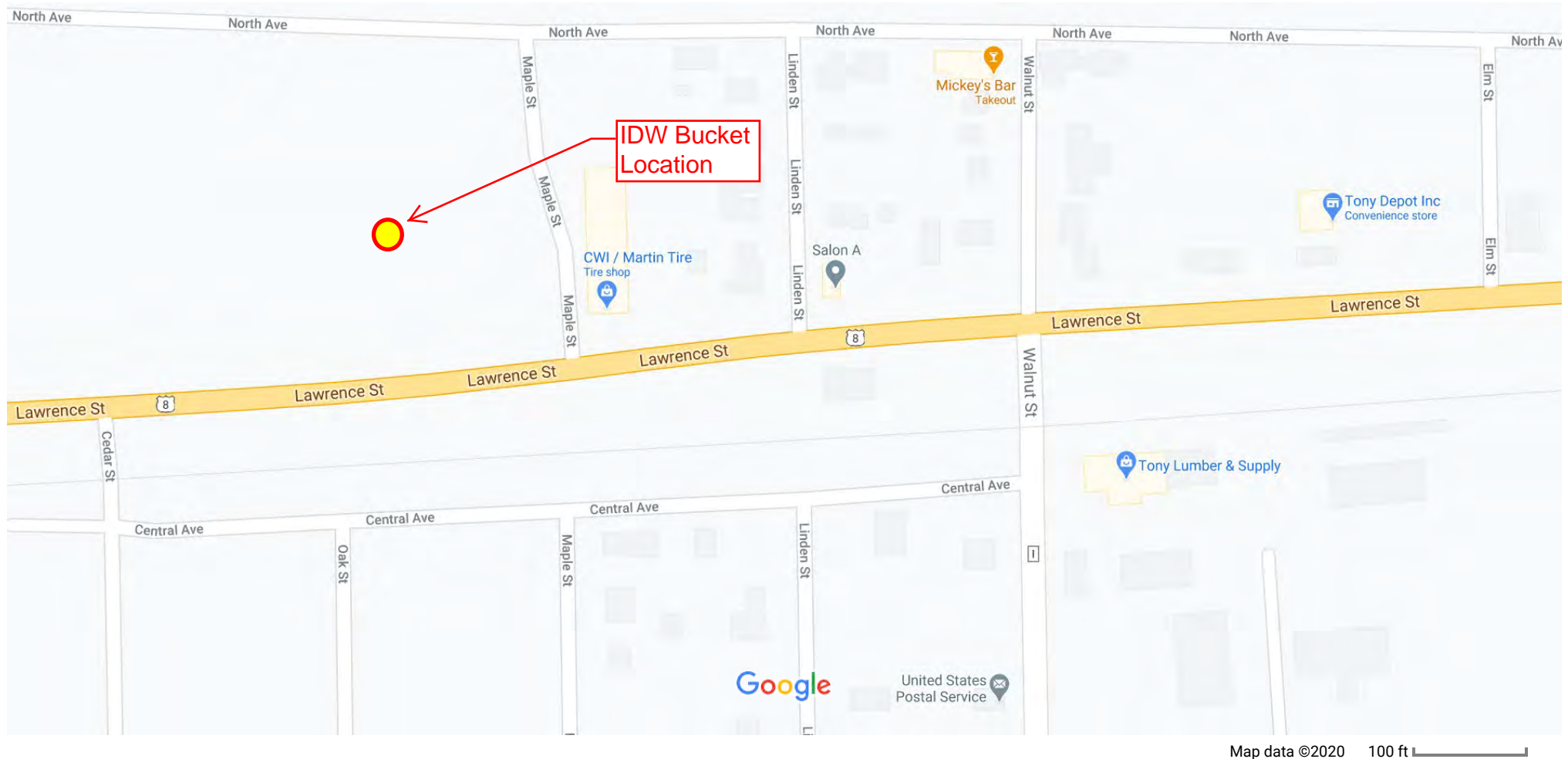
- [DOT Hazardous Materials Specialist](#)
- [Regional Environmental or Hazardous Materials Coordinator](#)
- [Hazardous Waste Contractor](#)

Include a copy of this form as the final appendix in the report for this site.



Tony

Location of 5 gallon plastic bucket - Tony, WI (WisDOT 1580-04-04)



September 02, 2020

Kyle Wagoner
AECOM, Inc. - Stevens Point
200 INDIANA AVE
Stevens Point, WI 54481

RE: Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

Dear Kyle Wagoner:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Alex Pliska, AECOM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40213353001	DP-1 (2-3')	Solid	08/20/20 11:47	08/21/20 09:45
40213353002	DP-2 (1-2')	Solid	08/20/20 12:05	08/21/20 09:45
40213353003	DP-2 (4-4.5')	Solid	08/20/20 12:00	08/21/20 09:45
40213353004	DP-3 (1-2')	Solid	08/20/20 11:25	08/21/20 09:45
40213353005	DP-3 (3-4')	Solid	08/20/20 11:10	08/21/20 09:45
40213353006	DP-4 (2-3')	Solid	08/20/20 12:20	08/21/20 09:45
40213353007	DP-4 (4-5')	Solid	08/20/20 12:22	08/21/20 09:45
40213353008	DP-5 (2-3')	Solid	08/20/20 12:10	08/21/20 09:45
40213353009	DP-6 (2-3')	Solid	08/20/20 11:40	08/21/20 09:45
40213353010	DP-6 (3.5-4.5')	Solid	08/20/20 11:40	08/21/20 09:45
40213353011	WC-082020	Solid	08/20/20 12:30	08/21/20 09:45
40213353012	TB-082020	Solid	08/20/20 00:00	08/21/20 09:45

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: WC-082020 **Lab ID: 40213353011** Collected: 08/20/20 12:30 Received: 08/21/20 09:45 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO Pace Analytical Services - Green Bay									
Diesel Range Organics	43.1	mg/kg	5.2	1.6	1	08/28/20 08:38	08/31/20 18:48		D5,DC
WIGRO GCV									
Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext. Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	100-41-4	W
Gasoline Range Organics	10.9	mg/kg	6.0	3.0	1	08/26/20 07:45	08/26/20 21:14		GO
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	1634-04-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	108-88-3	W
1,2,4-Trimethylbenzene	31.9J	ug/kg	72.1	30.0	1	08/26/20 07:45	08/26/20 21:14	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/26/20 07:45	08/26/20 21:14	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/26/20 07:45	08/26/20 21:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	08/26/20 07:45	08/26/20 21:14	98-08-8	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Green Bay									
Lead	9.5	mg/kg	2.3	0.68	1	08/25/20 05:45	08/26/20 01:33	7439-92-1	
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	16.7	%	0.10	0.10	1		09/01/20 09:38		
1010 Flashpoint,Closed Cup									
Analytical Method: EPA 1010 Pace Analytical Services - Green Bay									
Flashpoint	>200	deg F			1		08/28/20 14:04		1q
9095 Paint Filter Liquid Test									
Analytical Method: EPA 9095 Pace Analytical Services - Green Bay									
Free Liquids	Pass	no units			1		08/28/20 04:12		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: TB-082020 **Lab ID: 40213353012** Collected: 08/20/20 00:00 Received: 08/21/20 09:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/25/20 08:00	08/25/20 12:40	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/25/20 08:00	08/25/20 12:40	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/25/20 08:00	08/25/20 12:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	08/25/20 08:00	08/25/20 12:40	1868-53-7	
4-Bromofluorobenzene (S)	88	%	52-137		1	08/25/20 08:00	08/25/20 12:40	460-00-4	
Toluene-d8 (S)	100	%	56-140		1	08/25/20 08:00	08/25/20 12:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch: 363847	Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext.	Analysis Description: WIGRO Solid GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2103275 Matrix: Solid
Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Benzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Ethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Gasoline Range Organics	mg/kg	<1.2	4.1	08/26/20 08:53	
m&p-Xylene	ug/kg	<50.0	100	08/26/20 08:53	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	08/26/20 08:53	
o-Xylene	ug/kg	<25.0	50.0	08/26/20 08:53	
Toluene	ug/kg	<25.0	50.0	08/26/20 08:53	
Xylene (Total)	ug/kg	<75.0	150	08/26/20 08:53	
a,a,a-Trifluorotoluene (S)	%	102	80-120	08/26/20 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 2103276

LABORATORY CONTROL SAMPLE & LCSD: 2103276			2103277							
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	1070	1050	107	105	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1060	107	106	80-120	1	20	
Benzene	ug/kg	1000	1080	1060	108	106	80-120	1	20	
Ethylbenzene	ug/kg	1000	1070	1060	107	106	80-120	0	20	
Gasoline Range Organics	mg/kg	10	10.6	10.9	106	109	80-120	3	20	
m&p-Xylene	ug/kg	2000	2150	2130	107	107	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1060	105	106	80-120	1	20	
o-Xylene	ug/kg	1000	1070	1050	107	105	80-120	1	20	
Toluene	ug/kg	1000	1040	1030	104	103	80-120	1	20	
Xylene (Total)	ug/kg	3000	3220	3180	107	106	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	363656	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

METHOD BLANK:	2102215	Matrix:	Solid
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	08/26/20 00:26	

LABORATORY CONTROL SAMPLE: 2102216						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					2102217		2102218						
Parameter	Units	40213362001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual	
		Result	Spike Conc.	Spike Conc.									Result
Lead	mg/kg	5.8	60.5	60.5	61.7	61.5	92	92	75-125	0	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch: 363653 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353002, 40213353003, 40213353004, 40213353005

METHOD BLANK: 2102207 Matrix: Solid
Associated Lab Samples: 40213353002, 40213353003, 40213353004, 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/24/20 11:09	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/24/20 11:09	
Benzene	ug/kg	<12.5	42.0	08/24/20 11:09	
Ethylbenzene	ug/kg	<14.5	50.0	08/24/20 11:09	
m&p-Xylene	ug/kg	<32.4	108	08/24/20 11:09	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/24/20 11:09	
Naphthalene	ug/kg	<27.3	91.0	08/24/20 11:09	
o-Xylene	ug/kg	<18.1	60.0	08/24/20 11:09	
Toluene	ug/kg	<13.1	50.0	08/24/20 11:09	
Xylene (Total)	ug/kg	<50.5	168	08/24/20 11:09	
4-Bromofluorobenzene (S)	%	83	52-137	08/24/20 11:09	
Dibromofluoromethane (S)	%	94	58-145	08/24/20 11:09	
Toluene-d8 (S)	%	94	56-140	08/24/20 11:09	

LABORATORY CONTROL SAMPLE: 2102208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2670	107	70-130	
Ethylbenzene	ug/kg	2500	2440	98	80-120	
m&p-Xylene	ug/kg	5000	4810	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1970	79	70-130	
o-Xylene	ug/kg	2500	2340	94	70-130	
Toluene	ug/kg	2500	2410	96	80-120	
Xylene (Total)	ug/kg	7500	7150	95	70-130	
4-Bromofluorobenzene (S)	%			95	52-137	
Dibromofluoromethane (S)	%			107	58-145	
Toluene-d8 (S)	%			101	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2102209 2102210

Parameter	Units	40213361002		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Result	Spike Conc.	Result	% Rec	Result	% Rec	Result	Limits	RPD	RPD	Qual
Benzene	ug/kg	<25.0	1390	1390	1580	1570	114	113	70-130	0	20				
Ethylbenzene	ug/kg	<25.0	1390	1390	1420	1420	103	102	80-120	0	20				
m&p-Xylene	ug/kg	<50.0	2770	2770	2760	2730	100	99	70-130	1	20				
Methyl-tert-butyl ether	ug/kg	<25.0	1390	1390	813	1410	59	102	70-130	54	20	M1, R1			
o-Xylene	ug/kg	<25.0	1390	1390	1360	1380	98	100	70-130	2	20				

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2102209 2102210												
Parameter	Units	40213361002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Toluene	ug/kg	<25.0	1390	1390	1450	1420	105	103	80-120	2	20	
Xylene (Total)	ug/kg	<75.0	4160	4160	4110	4120	99	99	70-130	0	20	
4-Bromofluorobenzene (S)	%						116	114	52-137			
Dibromofluoromethane (S)	%						131	133	58-145			
Toluene-d8 (S)	%						122	125	56-140			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	363657	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Short List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353006, 40213353007, 40213353008

METHOD BLANK: 2102219 Matrix: Solid

Associated Lab Samples: 40213353006, 40213353007, 40213353008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/25/20 15:09	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/25/20 15:09	
Benzene	ug/kg	<12.5	42.0	08/25/20 15:09	
Ethylbenzene	ug/kg	<14.5	50.0	08/25/20 15:09	
m&p-Xylene	ug/kg	<32.4	108	08/25/20 15:09	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/25/20 15:09	
Naphthalene	ug/kg	<27.3	91.0	08/25/20 15:09	
o-Xylene	ug/kg	<18.1	60.0	08/25/20 15:09	
Toluene	ug/kg	<13.1	50.0	08/25/20 15:09	
Xylene (Total)	ug/kg	<50.5	168	08/25/20 15:09	
4-Bromofluorobenzene (S)	%	107	52-137	08/25/20 15:09	
Dibromofluoromethane (S)	%	104	58-145	08/25/20 15:09	
Toluene-d8 (S)	%	108	56-140	08/25/20 15:09	

LABORATORY CONTROL SAMPLE: 2102220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2470	99	70-130	
Ethylbenzene	ug/kg	2500	2530	101	80-120	
m&p-Xylene	ug/kg	5000	5100	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2630	105	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
Toluene	ug/kg	2500	2420	97	80-120	
Xylene (Total)	ug/kg	7500	7630	102	70-130	
4-Bromofluorobenzene (S)	%			102	52-137	
Dibromofluoromethane (S)	%			99	58-145	
Toluene-d8 (S)	%			101	56-140	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	363760	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Short List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353001, 40213353009, 40213353010, 40213353012

METHOD BLANK: 2102488 Matrix: Solid

Associated Lab Samples: 40213353001, 40213353009, 40213353010, 40213353012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/25/20 11:15	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/25/20 11:15	
Benzene	ug/kg	<12.5	42.0	08/25/20 11:15	
Ethylbenzene	ug/kg	<14.5	50.0	08/25/20 11:15	
m&p-Xylene	ug/kg	<32.4	108	08/25/20 11:15	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/25/20 11:15	
Naphthalene	ug/kg	<27.3	91.0	08/25/20 11:15	
o-Xylene	ug/kg	<18.1	60.0	08/25/20 11:15	
Toluene	ug/kg	<13.1	50.0	08/25/20 11:15	
Xylene (Total)	ug/kg	<50.5	168	08/25/20 11:15	
4-Bromofluorobenzene (S)	%	77	52-137	08/25/20 11:15	
Dibromofluoromethane (S)	%	93	58-145	08/25/20 11:15	
Toluene-d8 (S)	%	90	56-140	08/25/20 11:15	

LABORATORY CONTROL SAMPLE: 2102489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2610	104	70-130	
Ethylbenzene	ug/kg	2500	2320	93	80-120	
m&p-Xylene	ug/kg	5000	4560	91	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2240	89	70-130	
o-Xylene	ug/kg	2500	2260	90	70-130	
Toluene	ug/kg	2500	2360	95	80-120	
Xylene (Total)	ug/kg	7500	6820	91	70-130	
4-Bromofluorobenzene (S)	%			92	52-137	
Dibromofluoromethane (S)	%			104	58-145	
Toluene-d8 (S)	%			100	56-140	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364088

Analysis Method: WI MOD DRO

QC Batch Method: WI MOD DRO

Analysis Description: WIDRO GCS

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2104446

Matrix: Solid

Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<1.3	4.4	08/31/20 17:44	

LABORATORY CONTROL SAMPLE & LCSD: 2104447

2104448

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	29.5	30.2	74	76	70-120	2	20	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	364349	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

SAMPLE DUPLICATE: 2105670

Parameter	Units	40213353010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.4	19.1	2	10	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364118

Analysis Method: EPA 1010

QC Batch Method: EPA 1010

Analysis Description: 1010 Flash Point, Closed Cup

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

LABORATORY CONTROL SAMPLE: 2104634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		83.0			

SAMPLE DUPLICATE: 2104906

Parameter	Units	40213672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>200	>200			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364063

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2104356

Matrix: Solid

Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Free Liquids	no units	Fail		08/28/20 04:10	

LABORATORY CONTROL SAMPLE: 2104357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Free Liquids	no units		Pass			

SAMPLE DUPLICATE: 2104358

Parameter	Units	40213353011 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	Pass	Pass			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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

1q	Use of method EPA 1010A for flash point analysis on solid samples is for informational purposes only. It is the user's responsibility to verify the acceptance of this data for intended use.
D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
DC	Chromatographic pattern inconsistent with typical Diesel Fuel.
GO	Early and late peaks present outside the GRO window.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
W	Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40213353011	WC-082020	WI MOD DRO	364088	WI MOD DRO	364114
40213353011	WC-082020	TPH GRO/PVOC WI ext.	363847	WI MOD GRO	363871
40213353001	DP-1 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353002	DP-2 (1-2')	EPA 3050	363656	EPA 6010	363783
40213353003	DP-2 (4-4.5')	EPA 3050	363656	EPA 6010	363783
40213353004	DP-3 (1-2')	EPA 3050	363656	EPA 6010	363783
40213353005	DP-3 (3-4')	EPA 3050	363656	EPA 6010	363783
40213353006	DP-4 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353007	DP-4 (4-5')	EPA 3050	363656	EPA 6010	363783
40213353008	DP-5 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353009	DP-6 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353010	DP-6 (3.5-4.5')	EPA 3050	363656	EPA 6010	363783
40213353011	WC-082020	EPA 3050	363656	EPA 6010	363783
40213353001	DP-1 (2-3')	EPA 5035/5030B	363760	EPA 8260	363762
40213353002	DP-2 (1-2')	EPA 5035/5030B	363653	EPA 8260	363655
40213353003	DP-2 (4-4.5')	EPA 5035/5030B	363653	EPA 8260	363655
40213353004	DP-3 (1-2')	EPA 5035/5030B	363653	EPA 8260	363655
40213353005	DP-3 (3-4')	EPA 5035/5030B	363653	EPA 8260	363655
40213353006	DP-4 (2-3')	EPA 5035/5030B	363657	EPA 8260	363662
40213353007	DP-4 (4-5')	EPA 5035/5030B	363657	EPA 8260	363662
40213353008	DP-5 (2-3')	EPA 5035/5030B	363657	EPA 8260	363662
40213353009	DP-6 (2-3')	EPA 5035/5030B	363760	EPA 8260	363762
40213353010	DP-6 (3.5-4.5')	EPA 5035/5030B	363760	EPA 8260	363762
40213353012	TB-082020	EPA 5035/5030B	363760	EPA 8260	363762
40213353001	DP-1 (2-3')	ASTM D2974-87	364349		
40213353002	DP-2 (1-2')	ASTM D2974-87	364349		
40213353003	DP-2 (4-4.5')	ASTM D2974-87	364349		
40213353004	DP-3 (1-2')	ASTM D2974-87	364349		
40213353005	DP-3 (3-4')	ASTM D2974-87	364349		
40213353006	DP-4 (2-3')	ASTM D2974-87	364349		
40213353007	DP-4 (4-5')	ASTM D2974-87	364349		
40213353008	DP-5 (2-3')	ASTM D2974-87	364349		
40213353009	DP-6 (2-3')	ASTM D2974-87	364349		
40213353010	DP-6 (3.5-4.5')	ASTM D2974-87	364349		
40213353011	WC-082020	ASTM D2974-87	364349		
40213353011	WC-082020	EPA 1010	364118		
40213353011	WC-082020	EPA 9095	364063		

REPORT OF LABORATORY ANALYSIS

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Client Name: Aecom

Sample Preservation Receipt Form

Project # 40213353Pace Analytical Services, LLC
1241 Bellevue Street, Suite 900
Green Bay, WI 54302-3839

Page 39

All containers needing preservation have been checked and noted below: ☐ Yes ☐ No ☒ N/A

Lab Lot# of pH paper:


Lab Std #ID of preservation (if pH adjusted):

Initial when
completed:Date/
Time:

Pace Lab #	Glass							Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN					
001																															2.5 / 5 / 10
002																															2.5 / 5 / 10
003																															2.5 / 5 / 10
004																															2.5 / 5 / 10
005																															2.5 / 5 / 10
006																															2.5 / 5 / 10
007																															2.5 / 5 / 10
008																															2.5 / 5 / 10
009																															2.5 / 5 / 10
010																															2.5 / 5 / 10
011																															2.5 / 5 / 10
012																															2.5 / 5 / 10
013																															2.5 / 5 / 10
014																															2.5 / 5 / 10
015																															2.5 / 5 / 10
016																															2.5 / 5 / 10
017																															2.5 / 5 / 10
018																															2.5 / 5 / 10
019																															2.5 / 5 / 10
020																															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐ Yes ☐ No ☒ N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Alcom

Project #: _____

WO#: 40213353

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Walco
☐ Client ☐ Pace Other: _____



Tracking #: 7707 2750 3026

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 SR - NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

Cooler Temperature Uncorr: ROF /Corr: _____

☒ Samples on ice, cooling process has begun

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 8/21/20 Initials: MLR

Labeled By Initials: MLR

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <u>ML8-21-20</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>ED matrix</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. <u>DRO no headspace.</u>
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<u>8/21/20</u>
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>008 - Meth vial ID "OP-3(2-3) placed by time."</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>	<u>8/21/20</u>
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>No depth units: VOA MS: 002, 003, 006 -</u>
Trip Blank Custody Seals Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>008, 010, WPFUs: 003, 006, 007. ID DP-#-2(1-2) -</u>
Pace Trip Blank Lot # (if purchased): <u>8001501VB</u>	<u>Meth blank ML8-21-20 002 WPFU ML8-21-20</u>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

If checked, see attached form for additional comments ☐

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Appendix G

Standard Analytical Procedures



Standard Analytical Procedures

Soil samples were analyzed by Pace Analytical Services, Inc., Green Bay, Wisconsin (Wisconsin Certification No. 405132750).

The analytical methods used were:

- PVOCs plus Naphthalene by EPA Method 8260 Short List
- Total Lead by EPA Method 6010
- TCLP Lead by EPA Methods 6010/3010/1311
- Free liquids by EPA Method 9095 (Paint Filter Liquid Test)
- Flash point by EPA Method 1010 (Closed Cup)
- Diesel range organics by WI Mod DRO
- Gasoline range organics by WI Mod GRO

Sample detection limits for specific analyses are included in the laboratory analytical report.

Appendix H

Laboratory Report and Chain of Custody Form



September 24, 2020

Kyle Wagoner
AECOM, Inc. - Stevens Point
200 INDIANA AVE
Stevens Point, WI 54481

RE: Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

Dear Kyle Wagoner:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Alex Pliska, AECOM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40213353001	DP-1 (2-3')	Solid	08/20/20 11:47	08/21/20 09:45
40213353002	DP-2 (1-2')	Solid	08/20/20 12:05	08/21/20 09:45
40213353003	DP-2 (4-4.5')	Solid	08/20/20 12:00	08/21/20 09:45
40213353004	DP-3 (1-2')	Solid	08/20/20 11:25	08/21/20 09:45
40213353005	DP-3 (3-4')	Solid	08/20/20 11:10	08/21/20 09:45
40213353006	DP-4 (2-3')	Solid	08/20/20 12:20	08/21/20 09:45
40213353007	DP-4 (4-5')	Solid	08/20/20 12:22	08/21/20 09:45
40213353008	DP-5 (2-3')	Solid	08/20/20 12:10	08/21/20 09:45
40213353009	DP-6 (2-3')	Solid	08/20/20 11:40	08/21/20 09:45
40213353010	DP-6 (3.5-4.5')	Solid	08/20/20 11:40	08/21/20 09:45
40213353011	WC-082020	Solid	08/20/20 12:30	08/21/20 09:45
40213353012	TB-082020	Solid	08/20/20 00:00	08/21/20 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40213353001	DP-1 (2-3')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353002	DP-2 (1-2')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353003	DP-2 (4-4.5')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353004	DP-3 (1-2')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353005	DP-3 (3-4')	EPA 6010	TXW	1	PASI-G
		EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353006	DP-4 (2-3')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353007	DP-4 (4-5')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353008	DP-5 (2-3')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353009	DP-6 (2-3')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353010	DP-6 (3.5-4.5')	EPA 6010	TXW	1	PASI-G
		EPA 8260	MDS	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40213353011	WC-082020	WI MOD DRO	MRN	1	PASI-G
		WI MOD GRO	ALD	11	PASI-G
		EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		EPA 9095	EXM	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40213353012	TB-082020	EPA 8260	MDS	13	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40213353001	DP-1 (2-3')					
EPA 6010	Lead	7.9	mg/kg	2.2	08/26/20 01:05	
EPA 8260	Benzene	57.9J	ug/kg	71.8	08/25/20 15:14	
ASTM D2974-87	Percent Moisture	16.4	%	0.10	09/01/20 09:37	
40213353002	DP-2 (1-2')					
EPA 6010	Lead	2.8	mg/kg	2.0	08/26/20 01:07	
ASTM D2974-87	Percent Moisture	4.6	%	0.10	09/01/20 09:37	
40213353003	DP-2 (4-4.5')					
EPA 6010	Lead	4.4	mg/kg	2.3	08/26/20 01:09	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	09/01/20 09:37	
40213353004	DP-3 (1-2')					
EPA 6010	Lead	3.2	mg/kg	2.0	08/26/20 01:12	
ASTM D2974-87	Percent Moisture	6.0	%	0.10	09/01/20 09:37	
40213353005	DP-3 (3-4')					
EPA 6010	Lead	529	mg/kg	2.1	08/26/20 01:19	
EPA 6010	Lead	0.18	mg/L	0.020	09/23/20 16:07	
ASTM D2974-87	Percent Moisture	12.1	%	0.10	09/01/20 09:37	
40213353006	DP-4 (2-3')					
EPA 6010	Lead	3.8	mg/kg	2.2	08/26/20 01:21	
ASTM D2974-87	Percent Moisture	10.3	%	0.10	09/01/20 09:37	
40213353007	DP-4 (4-5')					
EPA 6010	Lead	2.5	mg/kg	2.0	08/26/20 01:24	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	09/01/20 09:37	
40213353008	DP-5 (2-3')					
EPA 6010	Lead	5.3	mg/kg	2.1	08/26/20 01:26	
ASTM D2974-87	Percent Moisture	11.3	%	0.10	09/01/20 09:38	
40213353009	DP-6 (2-3')					
EPA 6010	Lead	7.6	mg/kg	2.3	08/26/20 01:28	
ASTM D2974-87	Percent Moisture	16.6	%	0.10	09/01/20 09:38	
40213353010	DP-6 (3.5-4.5')					
EPA 6010	Lead	7.2	mg/kg	2.4	08/26/20 01:31	
ASTM D2974-87	Percent Moisture	19.4	%	0.10	09/01/20 09:38	
40213353011	WC-082020					
WI MOD DRO	Diesel Range Organics	43.1	mg/kg	5.2	08/31/20 18:48	D5,DC
WI MOD GRO	Gasoline Range Organics	10.9	mg/kg	6.0	08/26/20 21:14	GO
WI MOD GRO	1,2,4-Trimethylbenzene	31.9J	ug/kg	72.1	08/26/20 21:14	
EPA 6010	Lead	9.5	mg/kg	2.3	08/26/20 01:33	
ASTM D2974-87	Percent Moisture	16.7	%	0.10	09/01/20 09:38	
EPA 1010	Flashpoint	>200	deg F		08/28/20 14:04	1q
EPA 9095	Free Liquids	Pass	no units		08/28/20 04:12	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Date: September 24, 2020

Revised report per client request to add TCLP Lead to sample DP-3 (3-4₂) (40213353005). 9/24/20 CDH

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: WI MOD DRO

Description: WIDRO GCS

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

1 sample was analyzed for WI MOD DRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with WI MOD DRO with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 364088

D5: The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.

- WC-082020 (Lab ID: 40213353011)
- Diesel Range Organics

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: WI MOD GRO

Description: WIGRO GCV

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

1 sample was analyzed for WI MOD GRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: EPA 6010

Description: 6010 MET ICP

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

11 samples were analyzed for EPA 6010 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: EPA 6010

Description: 6010 MET ICP, TCLP

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

1 sample was analyzed for EPA 6010 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

Method: EPA 8260
Description: 8260 MSV Med Level Short List
Client: AECOM, Inc. - Stevens Point
Date: September 24, 2020

General Information:

11 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 363653

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40213361002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2102209)
 - Methyl-tert-butyl ether

R1: RPD value was outside control limits.

- MSD (Lab ID: 2102210)
 - Methyl-tert-butyl ether

Additional Comments:

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: EPA 1010

Description: 1010 Flashpoint, Closed Cup

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

1 sample was analyzed for EPA 1010 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 364118

1q: Use of method EPA 1010A for flash point analysis on solid samples is for informational purposes only. It is the user's responsibility to verify the acceptance of this data for intended use.

- WC-082020 (Lab ID: 40213353011)
- Flashpoint

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PROJECT NARRATIVE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Method: EPA 9095

Description: 9095 Paint Filter Liquid Test

Client: AECOM, Inc. - Stevens Point

Date: September 24, 2020

General Information:

1 sample was analyzed for EPA 9095 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-1 (2-3') **Lab ID: 40213353001** Collected: 08/20/20 11:47 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	7.9	mg/kg	2.2	0.65	1	08/25/20 05:45	08/26/20 01:05	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	57.9J	ug/kg	71.8	29.9	1	08/25/20 08:00	08/25/20 15:14	71-43-2	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/25/20 08:00	08/25/20 15:14	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/25/20 08:00	08/25/20 15:14	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/25/20 08:00	08/25/20 15:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	08/25/20 08:00	08/25/20 15:14	1868-53-7	
4-Bromofluorobenzene (S)	86	%	52-137		1	08/25/20 08:00	08/25/20 15:14	460-00-4	
Toluene-d8 (S)	100	%	56-140		1	08/25/20 08:00	08/25/20 15:14	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.4	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-2 (1-2') **Lab ID: 40213353002** Collected: 08/20/20 12:05 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	2.8	mg/kg	2.0	0.60	1	08/25/20 05:45	08/26/20 01:07	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:30	08/24/20 18:15	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:30	08/24/20 18:15	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:30	08/24/20 18:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	117	%	58-145		1	08/24/20 09:30	08/24/20 18:15	1868-53-7	
4-Bromofluorobenzene (S)	100	%	52-137		1	08/24/20 09:30	08/24/20 18:15	460-00-4	
Toluene-d8 (S)	116	%	56-140		1	08/24/20 09:30	08/24/20 18:15	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	4.6	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-2 (4-4.5') **Lab ID: 40213353003** Collected: 08/20/20 12:00 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	4.4	mg/kg	2.3	0.68	1	08/25/20 05:45	08/26/20 01:09	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:30	08/24/20 18:32	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:30	08/24/20 18:32	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:30	08/24/20 18:32	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	58-145		1	08/24/20 09:30	08/24/20 18:32	1868-53-7	
4-Bromofluorobenzene (S)	89	%	52-137		1	08/24/20 09:30	08/24/20 18:32	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	08/24/20 09:30	08/24/20 18:32	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	13.9	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-3 (1-2') **Lab ID: 40213353004** Collected: 08/20/20 11:25 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	3.2	mg/kg	2.0	0.58	1	08/25/20 05:45	08/26/20 01:12	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:30	08/24/20 18:49	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:30	08/24/20 18:49	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:30	08/24/20 18:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 18:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	08/24/20 09:30	08/24/20 18:49	1868-53-7	
4-Bromofluorobenzene (S)	91	%	52-137		1	08/24/20 09:30	08/24/20 18:49	460-00-4	
Toluene-d8 (S)	108	%	56-140		1	08/24/20 09:30	08/24/20 18:49	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.0	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-3 (3-4') Lab ID: 40213353005 Collected: 08/20/20 11:10 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	529	mg/kg	2.1	0.64	1	08/25/20 05:45	08/26/20 01:19	7439-92-1	
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 09/21/20 13:42									
Pace Analytical Services - Green Bay									
Lead	0.18	mg/L	0.020	0.0059	1	09/23/20 05:56	09/23/20 16:07	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:30	08/24/20 19:06	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:30	08/24/20 19:06	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:30	08/24/20 19:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:30	08/24/20 19:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	58-145		1	08/24/20 09:30	08/24/20 19:06	1868-53-7	
4-Bromofluorobenzene (S)	91	%	52-137		1	08/24/20 09:30	08/24/20 19:06	460-00-4	
Toluene-d8 (S)	101	%	56-140		1	08/24/20 09:30	08/24/20 19:06	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.1	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-4 (2-3') **Lab ID: 40213353006** Collected: 08/20/20 12:20 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	3.8	mg/kg	2.2	0.66	1	08/25/20 05:45	08/26/20 01:21	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:45	08/25/20 17:03	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:45	08/25/20 17:03	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:45	08/25/20 17:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	08/24/20 09:45	08/25/20 17:03	1868-53-7	
4-Bromofluorobenzene (S)	112	%	52-137		1	08/24/20 09:45	08/25/20 17:03	460-00-4	
Toluene-d8 (S)	117	%	56-140		1	08/24/20 09:45	08/25/20 17:03	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.3	%	0.10	0.10	1		09/01/20 09:37		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-4 (4-5') Lab ID: 40213353007 Collected: 08/20/20 12:22 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	2.5	mg/kg	2.0	0.60	1	08/25/20 05:45	08/26/20 01:24	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:45	08/25/20 17:26	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:45	08/25/20 17:26	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:45	08/25/20 17:26	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	58-145		1	08/24/20 09:45	08/25/20 17:26	1868-53-7	
4-Bromofluorobenzene (S)	110	%	52-137		1	08/24/20 09:45	08/25/20 17:26	460-00-4	
Toluene-d8 (S)	114	%	56-140		1	08/24/20 09:45	08/25/20 17:26	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.1	%	0.10	0.10	1		09/01/20 09:37		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-5 (2-3') **Lab ID:** 40213353008 **Collected:** 08/20/20 12:10 **Received:** 08/21/20 09:45 **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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	5.3	mg/kg	2.1	0.62	1	08/25/20 05:45	08/26/20 01:26	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/24/20 09:45	08/25/20 17:49	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/24/20 09:45	08/25/20 17:49	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/24/20 09:45	08/25/20 17:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/24/20 09:45	08/25/20 17:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	08/24/20 09:45	08/25/20 17:49	1868-53-7	
4-Bromofluorobenzene (S)	108	%	52-137		1	08/24/20 09:45	08/25/20 17:49	460-00-4	
Toluene-d8 (S)	111	%	56-140		1	08/24/20 09:45	08/25/20 17:49	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.3	%	0.10	0.10	1		09/01/20 09:38		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-6 (2-3') **Lab ID: 40213353009** Collected: 08/20/20 11:40 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	7.6	mg/kg	2.3	0.68	1	08/25/20 05:45	08/26/20 01:28	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/25/20 08:00	08/25/20 15:31	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/25/20 08:00	08/25/20 15:31	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/25/20 08:00	08/25/20 15:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	08/25/20 08:00	08/25/20 15:31	1868-53-7	
4-Bromofluorobenzene (S)	88	%	52-137		1	08/25/20 08:00	08/25/20 15:31	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	08/25/20 08:00	08/25/20 15:31	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.6	%	0.10	0.10	1		09/01/20 09:38		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: DP-6 (3.5-4.5') Lab ID: 40213353010 Collected: 08/20/20 11:40 Received: 08/21/20 09:45 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
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	7.2	mg/kg	2.4	0.73	1	08/25/20 05:45	08/26/20 01:31	7439-92-1	
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/25/20 08:00	08/25/20 15:48	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/25/20 08:00	08/25/20 15:48	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/25/20 08:00	08/25/20 15:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 15:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	58-145		1	08/25/20 08:00	08/25/20 15:48	1868-53-7	
4-Bromofluorobenzene (S)	92	%	52-137		1	08/25/20 08:00	08/25/20 15:48	460-00-4	
Toluene-d8 (S)	105	%	56-140		1	08/25/20 08:00	08/25/20 15:48	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.4	%	0.10	0.10	1		09/01/20 09:38		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: WC-082020 **Lab ID: 40213353011** Collected: 08/20/20 12:30 Received: 08/21/20 09:45 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Pace Analytical Services - Green Bay									
Diesel Range Organics	43.1	mg/kg	5.2	1.6	1	08/28/20 08:38	08/31/20 18:48		D5,DC
WIGRO GCV									
Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	100-41-4	W
Gasoline Range Organics	10.9	mg/kg	6.0	3.0	1	08/26/20 07:45	08/26/20 21:14		GO
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	1634-04-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	108-88-3	W
1,2,4-Trimethylbenzene	31.9J	ug/kg	72.1	30.0	1	08/26/20 07:45	08/26/20 21:14	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/26/20 07:45	08/26/20 21:14	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/26/20 07:45	08/26/20 21:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/26/20 07:45	08/26/20 21:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	08/26/20 07:45	08/26/20 21:14	98-08-8	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Lead	9.5	mg/kg	2.3	0.68	1	08/25/20 05:45	08/26/20 01:33	7439-92-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.7	%	0.10	0.10	1		09/01/20 09:38		
1010 Flashpoint,Closed Cup									
Analytical Method: EPA 1010									
Pace Analytical Services - Green Bay									
Flashpoint	>200	deg F			1		08/28/20 14:04		1q
9095 Paint Filter Liquid Test									
Analytical Method: EPA 9095									
Pace Analytical Services - Green Bay									
Free Liquids	Pass	no units			1		08/28/20 04:12		

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ANALYTICAL RESULTS

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Sample: TB-082020 **Lab ID: 40213353012** Collected: 08/20/20 00:00 Received: 08/21/20 09:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	08/25/20 08:00	08/25/20 12:40	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	108-67-8	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	08/25/20 08:00	08/25/20 12:40	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/25/20 08:00	08/25/20 12:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/25/20 08:00	08/25/20 12:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	08/25/20 08:00	08/25/20 12:40	1868-53-7	
4-Bromofluorobenzene (S)	88	%	52-137		1	08/25/20 08:00	08/25/20 12:40	460-00-4	
Toluene-d8 (S)	100	%	56-140		1	08/25/20 08:00	08/25/20 12:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch:	363847	Analysis Method:	WI MOD GRO
QC Batch Method:	TPH GRO/PVOC WI ext.	Analysis Description:	WIGRO Solid GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2103275 Matrix: Solid
Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Benzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Ethylbenzene	ug/kg	<25.0	50.0	08/26/20 08:53	
Gasoline Range Organics	mg/kg	<1.2	4.1	08/26/20 08:53	
m&p-Xylene	ug/kg	<50.0	100	08/26/20 08:53	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	08/26/20 08:53	
o-Xylene	ug/kg	<25.0	50.0	08/26/20 08:53	
Toluene	ug/kg	<25.0	50.0	08/26/20 08:53	
Xylene (Total)	ug/kg	<75.0	150	08/26/20 08:53	
a,a,a-Trifluorotoluene (S)	%	102	80-120	08/26/20 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 2103276

LABORATORY CONTROL SAMPLE & LCSD: 2103276			2103277							
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	1070	1050	107	105	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1060	107	106	80-120	1	20	
Benzene	ug/kg	1000	1080	1060	108	106	80-120	1	20	
Ethylbenzene	ug/kg	1000	1070	1060	107	106	80-120	0	20	
Gasoline Range Organics	mg/kg	10	10.6	10.9	106	109	80-120	3	20	
m&p-Xylene	ug/kg	2000	2150	2130	107	107	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1060	105	106	80-120	1	20	
o-Xylene	ug/kg	1000	1070	1050	107	105	80-120	1	20	
Toluene	ug/kg	1000	1040	1030	104	103	80-120	1	20	
Xylene (Total)	ug/kg	3000	3220	3180	107	106	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	363656	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

METHOD BLANK:	2102215	Matrix:	Solid
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	08/26/20 00:26	

LABORATORY CONTROL SAMPLE: 2102216						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					2102217		2102218						
Parameter	Units	40213362001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual	
		Result	Spike Conc.	Spike Conc.									Result
Lead	mg/kg	5.8	60.5	60.5	61.7	61.5	92	92	75-125	0	20		

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.

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch:	366179	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET TCLP
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353005

METHOD BLANK: 2116673 Matrix: Water

Associated Lab Samples: 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/23/20 16:02	

METHOD BLANK: 2115711 Matrix: Solid

Associated Lab Samples: 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/23/20 17:21	

METHOD BLANK: 2115712 Matrix: Solid

Associated Lab Samples: 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/23/20 17:03	

METHOD BLANK: 2115713 Matrix: Solid

Associated Lab Samples: 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0059	0.020	09/23/20 17:39	

LABORATORY CONTROL SAMPLE: 2116674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2116675 2116676

Parameter	Units	40213353005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	0.18	0.5	0.5	0.67	0.68	98	99	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

MATRIX SPIKE SAMPLE:		2116677					
Parameter	Units	40214715001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.030	0.5	0.48	97	75-125	

MATRIX SPIKE SAMPLE:		2116678					
Parameter	Units	40214737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.015	1.2	1.3	101	75-125	

MATRIX SPIKE SAMPLE:		2116679					
Parameter	Units	40214886001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.0065J	0.5	0.52	102	75-125	

MATRIX SPIKE SAMPLE:		2116680					
Parameter	Units	40214886003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.012	0.5	0.51	103	75-125	

MATRIX SPIKE SAMPLE:		2116681					
Parameter	Units	40214917001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.0059J	0.5	0.50	100	75-125	

MATRIX SPIKE SAMPLE:		2116682					
Parameter	Units	40214924001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.0059	0.5	0.51	102	75-125	

MATRIX SPIKE SAMPLE:		2116683					
Parameter	Units	40214928001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.047	0.5	0.55	101	75-125	

MATRIX SPIKE SAMPLE:		2116684					
Parameter	Units	40214995001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.94	0.5	1.5	104	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch: 363653 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353002, 40213353003, 40213353004, 40213353005

METHOD BLANK: 2102207 Matrix: Solid
Associated Lab Samples: 40213353002, 40213353003, 40213353004, 40213353005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/24/20 11:09	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/24/20 11:09	
Benzene	ug/kg	<12.5	42.0	08/24/20 11:09	
Ethylbenzene	ug/kg	<14.5	50.0	08/24/20 11:09	
m&p-Xylene	ug/kg	<32.4	108	08/24/20 11:09	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/24/20 11:09	
Naphthalene	ug/kg	<27.3	91.0	08/24/20 11:09	
o-Xylene	ug/kg	<18.1	60.0	08/24/20 11:09	
Toluene	ug/kg	<13.1	50.0	08/24/20 11:09	
Xylene (Total)	ug/kg	<50.5	168	08/24/20 11:09	
4-Bromofluorobenzene (S)	%	83	52-137	08/24/20 11:09	
Dibromofluoromethane (S)	%	94	58-145	08/24/20 11:09	
Toluene-d8 (S)	%	94	56-140	08/24/20 11:09	

LABORATORY CONTROL SAMPLE: 2102208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2670	107	70-130	
Ethylbenzene	ug/kg	2500	2440	98	80-120	
m&p-Xylene	ug/kg	5000	4810	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1970	79	70-130	
o-Xylene	ug/kg	2500	2340	94	70-130	
Toluene	ug/kg	2500	2410	96	80-120	
Xylene (Total)	ug/kg	7500	7150	95	70-130	
4-Bromofluorobenzene (S)	%			95	52-137	
Dibromofluoromethane (S)	%			107	58-145	
Toluene-d8 (S)	%			101	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2102209 2102210

Parameter	Units	40213361002		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Result	Spike Conc.	Result	% Rec	Result	% Rec	Result	Limits	RPD	RPD	Qual
Benzene	ug/kg	<25.0	1390	1390	1580	1570	114	113	70-130	0	20				
Ethylbenzene	ug/kg	<25.0	1390	1390	1420	1420	103	102	80-120	0	20				
m&p-Xylene	ug/kg	<50.0	2770	2770	2760	2730	100	99	70-130	1	20				
Methyl-tert-butyl ether	ug/kg	<25.0	1390	1390	813	1410	59	102	70-130	54	20	M1, R1			
o-Xylene	ug/kg	<25.0	1390	1390	1360	1380	98	100	70-130	2	20				

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2102209					2102210							
Parameter	Units	40213361002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	Qual
			Spike Conc.	Spike Conc.							RPD	
Toluene	ug/kg	<25.0	1390	1390	1450	1420	105	103	80-120	2	20	
Xylene (Total)	ug/kg	<75.0	4160	4160	4110	4120	99	99	70-130	0	20	
4-Bromofluorobenzene (S)	%						116	114	52-137			
Dibromofluoromethane (S)	%						131	133	58-145			
Toluene-d8 (S)	%						122	125	56-140			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch:	363657	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Short List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353006, 40213353007, 40213353008

METHOD BLANK: 2102219 Matrix: Solid
Associated Lab Samples: 40213353006, 40213353007, 40213353008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/25/20 15:09	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/25/20 15:09	
Benzene	ug/kg	<12.5	42.0	08/25/20 15:09	
Ethylbenzene	ug/kg	<14.5	50.0	08/25/20 15:09	
m&p-Xylene	ug/kg	<32.4	108	08/25/20 15:09	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/25/20 15:09	
Naphthalene	ug/kg	<27.3	91.0	08/25/20 15:09	
o-Xylene	ug/kg	<18.1	60.0	08/25/20 15:09	
Toluene	ug/kg	<13.1	50.0	08/25/20 15:09	
Xylene (Total)	ug/kg	<50.5	168	08/25/20 15:09	
4-Bromofluorobenzene (S)	%	107	52-137	08/25/20 15:09	
Dibromofluoromethane (S)	%	104	58-145	08/25/20 15:09	
Toluene-d8 (S)	%	108	56-140	08/25/20 15:09	

LABORATORY CONTROL SAMPLE: 2102220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2470	99	70-130	
Ethylbenzene	ug/kg	2500	2530	101	80-120	
m&p-Xylene	ug/kg	5000	5100	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2630	105	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
Toluene	ug/kg	2500	2420	97	80-120	
Xylene (Total)	ug/kg	7500	7630	102	70-130	
4-Bromofluorobenzene (S)	%			102	52-137	
Dibromofluoromethane (S)	%			99	58-145	
Toluene-d8 (S)	%			101	56-140	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

QC Batch: 363760 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40213353001, 40213353009, 40213353010, 40213353012

METHOD BLANK: 2102488 Matrix: Solid
Associated Lab Samples: 40213353001, 40213353009, 40213353010, 40213353012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	08/25/20 11:15	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	08/25/20 11:15	
Benzene	ug/kg	<12.5	42.0	08/25/20 11:15	
Ethylbenzene	ug/kg	<14.5	50.0	08/25/20 11:15	
m&p-Xylene	ug/kg	<32.4	108	08/25/20 11:15	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	08/25/20 11:15	
Naphthalene	ug/kg	<27.3	91.0	08/25/20 11:15	
o-Xylene	ug/kg	<18.1	60.0	08/25/20 11:15	
Toluene	ug/kg	<13.1	50.0	08/25/20 11:15	
Xylene (Total)	ug/kg	<50.5	168	08/25/20 11:15	
4-Bromofluorobenzene (S)	%	77	52-137	08/25/20 11:15	
Dibromofluoromethane (S)	%	93	58-145	08/25/20 11:15	
Toluene-d8 (S)	%	90	56-140	08/25/20 11:15	

LABORATORY CONTROL SAMPLE: 2102489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2610	104	70-130	
Ethylbenzene	ug/kg	2500	2320	93	80-120	
m&p-Xylene	ug/kg	5000	4560	91	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2240	89	70-130	
o-Xylene	ug/kg	2500	2260	90	70-130	
Toluene	ug/kg	2500	2360	95	80-120	
Xylene (Total)	ug/kg	7500	6820	91	70-130	
4-Bromofluorobenzene (S)	%			92	52-137	
Dibromofluoromethane (S)	%			104	58-145	
Toluene-d8 (S)	%			100	56-140	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364088

Analysis Method: WI MOD DRO

QC Batch Method: WI MOD DRO

Analysis Description: WIDRO GCS

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2104446

Matrix: Solid

Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<1.3	4.4	08/31/20 17:44	

LABORATORY CONTROL SAMPLE & LCSD: 2104447

2104448

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	29.5	30.2	74	76	70-120	2	20	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch:	364349	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40213353001, 40213353002, 40213353003, 40213353004, 40213353005, 40213353006, 40213353007, 40213353008, 40213353009, 40213353010, 40213353011		

SAMPLE DUPLICATE: 2105670

Parameter	Units	40213353010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.4	19.1	2	10	

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364118

Analysis Method: EPA 1010

QC Batch Method: EPA 1010

Analysis Description: 1010 Flash Point, Closed Cup

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

LABORATORY CONTROL SAMPLE: 2104634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		83.0			

SAMPLE DUPLICATE: 2104906

Parameter	Units	40213672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>200	>200			

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QUALITY CONTROL DATA

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

QC Batch: 364063

Analysis Method: EPA 9095

QC Batch Method: EPA 9095

Analysis Description: 9095 PAINT FILTER LIQUID TEST

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40213353011

METHOD BLANK: 2104356

Matrix: Solid

Associated Lab Samples: 40213353011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Free Liquids	no units	Fail		08/28/20 04:10	

LABORATORY CONTROL SAMPLE: 2104357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Free Liquids	no units		Pass			

SAMPLE DUPLICATE: 2104358

Parameter	Units	40213353011 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	Pass	Pass			

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QUALIFIERS

Project: 60631378 USH 8, TONY, WI
Pace Project No.: 40213353

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, percent moisture, initial weight and final volume.
LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.
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.

WORKORDER QUALIFIERS

WO: 40213353

[1] Revised report per client request to add TCLP Lead to sample DP-3 (3-4₂) (40213353005). 9/24/20 CDH

ANALYTE QUALIFIERS

1q	Use of method EPA 1010A for flash point analysis on solid samples is for informational purposes only. It is the user's responsibility to verify the acceptance of this data for intended use.
D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
DC	Chromatographic pattern inconsistent with typical Diesel Fuel.
GO	Early and late peaks present outside the GRO window.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
W	Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60631378 USH 8, TONY, WI

Pace Project No.: 40213353

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40213353011	WC-082020	WI MOD DRO	364088	WI MOD DRO	364114
40213353011	WC-082020	TPH GRO/PVOC WI ext.	363847	WI MOD GRO	363871
40213353001	DP-1 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353002	DP-2 (1-2')	EPA 3050	363656	EPA 6010	363783
40213353003	DP-2 (4-4.5')	EPA 3050	363656	EPA 6010	363783
40213353004	DP-3 (1-2')	EPA 3050	363656	EPA 6010	363783
40213353005	DP-3 (3-4')	EPA 3050	363656	EPA 6010	363783
40213353006	DP-4 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353007	DP-4 (4-5')	EPA 3050	363656	EPA 6010	363783
40213353008	DP-5 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353009	DP-6 (2-3')	EPA 3050	363656	EPA 6010	363783
40213353010	DP-6 (3.5-4.5')	EPA 3050	363656	EPA 6010	363783
40213353011	WC-082020	EPA 3050	363656	EPA 6010	363783
40213353005	DP-3 (3-4')	EPA 3010	366179	EPA 6010	366280
40213353001	DP-1 (2-3')	EPA 5035/5030B	363760	EPA 8260	363762
40213353002	DP-2 (1-2')	EPA 5035/5030B	363653	EPA 8260	363655
40213353003	DP-2 (4-4.5')	EPA 5035/5030B	363653	EPA 8260	363655
40213353004	DP-3 (1-2')	EPA 5035/5030B	363653	EPA 8260	363655
40213353005	DP-3 (3-4')	EPA 5035/5030B	363653	EPA 8260	363655
40213353006	DP-4 (2-3')	EPA 5035/5030B	363657	EPA 8260	363662
40213353007	DP-4 (4-5')	EPA 5035/5030B	363657	EPA 8260	363662
40213353008	DP-5 (2-3')	EPA 5035/5030B	363657	EPA 8260	363662
40213353009	DP-6 (2-3')	EPA 5035/5030B	363760	EPA 8260	363762
40213353010	DP-6 (3.5-4.5')	EPA 5035/5030B	363760	EPA 8260	363762
40213353012	TB-082020	EPA 5035/5030B	363760	EPA 8260	363762
40213353001	DP-1 (2-3')	ASTM D2974-87	364349		
40213353002	DP-2 (1-2')	ASTM D2974-87	364349		
40213353003	DP-2 (4-4.5')	ASTM D2974-87	364349		
40213353004	DP-3 (1-2')	ASTM D2974-87	364349		
40213353005	DP-3 (3-4')	ASTM D2974-87	364349		
40213353006	DP-4 (2-3')	ASTM D2974-87	364349		
40213353007	DP-4 (4-5')	ASTM D2974-87	364349		
40213353008	DP-5 (2-3')	ASTM D2974-87	364349		
40213353009	DP-6 (2-3')	ASTM D2974-87	364349		
40213353010	DP-6 (3.5-4.5')	ASTM D2974-87	364349		
40213353011	WC-082020	ASTM D2974-87	364349		
40213353011	WC-082020	EPA 1010	364118		
40213353011	WC-082020	EPA 9095	364063		

REPORT OF LABORATORY ANALYSIS

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Client Name: Arcom

Sample Preservation Receipt Form

Project # 40213353Pace Analytical Services, LLC
1241 Bellevue Street, Suite 900
Green Bay, WI 54302

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All containers needing preservation have been checked and noted below: ☐ Yes ☐ No ☒ N/AInitial when
completed:Date/
Time:


Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN					
001																															2.5 / 5 / 10
002																															2.5 / 5 / 10
003																															2.5 / 5 / 10
004																															2.5 / 5 / 10
005																															2.5 / 5 / 10
006																															2.5 / 5 / 10
007																															2.5 / 5 / 10
008																															2.5 / 5 / 10
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019																															2.5 / 5 / 10
020																															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐ Yes ☐ No ☒ N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Accom

Project #: _____

WO#: 40213353

Courier: ☐ CS Logistics ☒ Fed Ex ☐ Speedee ☐ UPS ☐ Walco
☐ Client ☐ Pace Other: _____



Tracking #: 7707 2750 3026

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 SR - NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

Cooler Temperature Uncorr: ROF /Corr: _____

☒ Samples on ice, cooling process has begun

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 8/21/20 Initials: MLR

Labeled By Initials: MLR

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <u>ML8-21-20</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>ED matrix</u> <u>ML8-21-20</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. <u>DRO no headspace.</u>
- Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>8/21/20</u> <u>np</u>
- Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>008 - Meth vial ID "OP-3(2-3) placed by time."</u> <u>8/21/20</u>
- Includes date/time/ID/Analysis Matrix: <u>S</u>	
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>No depth units: VOA MS: 002, 003, 006 - np</u>
Trip Blank Custody Seals Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>005, 010, WPFUs: 003, 006, 007. ID DP-#-2(1-2) - np</u>
Pace Trip Blank Lot # (if purchased): <u>8001501VB</u>	<u>Meth blank ML8-21-20 002 WPFU ML8-21-20</u>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments ☐

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login



About AECOM

AECOM is built to deliver a better world. We design, build, finance, and operate infrastructure assets for governments, businesses, and organizations in more than 150 countries. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges. From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated, and vital. A *Fortune 500* firm, AECOM had revenue of approximately \$18 billion during fiscal year 2019. See how we deliver what others can only imagine at aecom.com and [@AECOM](https://twitter.com/AECOM).

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