

**SOIL REMEDIATION AND POST-REMEDIATION  
GROUNDWATER MONITORING REPORT  
FREI OIL (FORMER) (BRRTS 02-14-287206)  
207 HIGHWAY STREET  
HORICON, WISCONSIN 53032**

PREPARED FOR:

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APRIL 2020

**SEYMOUR ENVIRONMENTAL SERVICES, INC.**

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## TABLE OF CONTENTS

1.0	INTRODUCTION .....	1
1.1	Investigation Summary .....	1
1.2	Site and Consultant Information .....	2
2.0	SOIL REMEDIATION .....	2
3.0	POST-REMEDIAL GROUNDWATER MONITORING .....	5
3.1	Well Installation .....	5
3.2	Post-Remedial Groundwater Monitoring Results .....	5
4.0	CONCLUSIONS AND RECOMMENDATIONS .....	6

### FIGURES

- 1 Site Location
- 2 Identified Soil Contamination
- 3 Remedial Excavation Details
- 4 Groundwater Monitoring Data – July 2019
- 5 Groundwater Monitoring Data – September 2019
- 6 Groundwater Monitoring Data – March 2020
- 7 Groundwater Level and Chemistry Trends (MW-2/2R)

### TABLES

- 1 Summary of Soil Analytical Data from Remedial Excavation
- 2 Summary of Well Construction and Groundwater Level Data
- 3 Summary of Groundwater Monitoring Data

### APPENDICES

- A Boring Log and Well Forms
- B Excavation Photos
- C Laboratory Reports
- D Soil Disposal Documentation

## **1.0 INTRODUCTION**

Mark Franz, current owner of the property retained Seymour Environmental Services, Inc. (Seymour) to conduct the environmental related activities at the former Frei Oil located at 207 Highway Street in Horicon, Wisconsin (Figure 1). Petroleum-related contamination was discovered at the site associated with a former fuel storage system. Contamination from the fuel system was reported to the Wisconsin Department of Natural Resources (WDNR) at the time of the tank closure in November 2001.

Tanks were removed from the site in 2001. Environmental assessment activities were conducted between 2006 and 2016. During the assessment the extent of the soil contamination was determined and sampling from monitoring wells showed that the groundwater was impacted by the release. Excavation of the contaminated soil followed by post-remedial monitoring was recommended to address the petroleum contamination at the site. This report discusses details regarding the soil remediation and post-remedial groundwater monitoring at the site.

### **1.1 Investigation Summary**

Petroleum contamination was present above WDNR action levels in both the soil and the groundwater. Contamination appears to have originated from two separate locations, the former bulk fuel storage area and the fuel load rack formerly present at the north edge of the site. The groundwater contamination was limited to the bulk fuel storage area located in the south part of the property.

Soil exceeding the groundwater pathway RCLs was identified in both areas. In the former bulk storage area both PVOCs and PAHs were present above the groundwater pathway RCLs. The contamination extended from near the surface to a depth of ~7 feet where groundwater is encountered. Only PAHs were identified in the soils near the northern loading rack at concentrations exceeding the groundwater pathway RCLs. An estimated 2,200 cubic yards of soil exceeded the groundwater protection RCLs across the site. Most of the soil exceeding the RCLs was located around the bulk fuel storage system. The estimated extent of soil contamination is shown on Figure 2.

Soil exceeding direct contact RCLs for PAHs was identified in each of the source areas. Soil containing PAHs exceeding the direct contact RCL for industrial properties was identified in a 450 square foot area near the west side of the former bulk storage. The industrial direct contact RCL amount was estimated to be 100 tons. Soil with PAHs exceeding the direct contact RCL for non-industrial properties was identified around both the former fuel system and the northern load rack. At the fuel storage area this contamination extended over an area of 1,850 square foot (400 tons). At the northern load rack, the contamination covered ~550 square feet (120 tons).

We recommended the removal of approximately 1,400 tons of the more highly contaminated soils to promote improvement in groundwater quality. The recommended excavation included removal of all of the soils that exceeded the direct contact hazard RCLs.

## 1.2 Site and Consultant Information

Site Address: Frei Oil (Former)  
207 Highway Street  
Horicon, Wisconsin 53032  
Dodge County  
SW ¼ of the SW ¼ of Section 6 Township 11 North, Range 19 East

Consultant: Seymour Environmental Services, Inc.  
2531 Dyreson Road  
McFarland, Wisconsin 53558  
Contact: Robyn Seymour (608) 838-9120

Excavator: W&D Navis, Inc.  
N2747 State Highway 26  
P.O. Box 48  
Waupun, Wisconsin 53963  
Contact: Dennis Navis (920) 324-9541

Driller: Badger State Drilling  
360 Business Park Circle  
Stoughton, Wisconsin 53589  
Contact: Mark Garwick (608) 877-9770

Landfill: Glacier Ridge Landfill  
N7296 County V  
Horicon, Wisconsin 53032  
Contact: Jayne Walter (920) 387-0987

Laboratory: Pace Analytical  
1241 Bellevue Street, Suite 9  
Green Bay, Wisconsin 54302  
Contact: Dan Milewsky (920) 469-2436

## 2.0 SOIL REMEDIATION

On June 30, 2019 Seymour personnel visited the site to prepare for the remedial excavation work. Activities conducted included meeting with utility locators and abandonment of a monitoring well located in the footprint of the proposed excavation. Monitoring well MW-2 was abandoned prior to the excavation and was in the northwest portion of the proposed bulk fuel storage excavation. The well was abandoned with bentonite chips as required but during the soil remediation activities the well was removed. The abandonment form is included in Appendix A.

Seymour and Navis Excavating met at the site on July 1, 2019 to begin the remedial excavation. Two areas of excavation were planned; one at the former loading rack and another where the bulk tanks were located.

Soil remediation was started in the area of the former bulk storage system in the southern part of the property. Soon after starting the excavation we began to encounter large concrete structures.

These appear to be ballast slabs for the former tanks. Since we did not have equipment on site to safely handle the concrete, excavation was temporarily halted in the bulk fuel area.

We moved over to the former loading rack area on the north side of the property. A thin layer of imported topsoil was present in the area of the planned excavation. The topsoil was put to the side and saved to be reused as backfill. Localized staining was noted in the gravelly soils underlying the topsoil. The excavation was advanced laterally until no evidence of staining was noted. After the limits of the soil contamination were identified soil was removed across the area of excavation to a depth of ~4.5 feet. The final excavation area was ~32 by 32 feet and was located slightly south of the proposed remedial excavation to avoid underground utilities located along the railroad track. Approximately 100 tons of contaminated soil was removed from the loading rack area. Remedial excavation details are shown on Figure 3.

After completion of the remediation in the area of the loading rack excavation was resumed in the former bulk storage area. The gravel on the driveway near the center of the planned excavation area was scraped away to expose the concrete structures that we identified previously. As the gravel was removed it became clear that the surface was previously at least a foot deeper and gravel fill had been brought in to raise the grade. No evidence of contamination was noted in the surface gravel and field screening of the gravels showed that organic vapor levels in this material were less than 1 vppm. Since the gravel appeared to be clean this material was removed and stockpiled near the northeast corner of the parcel to be used later as backfill. After the surface gravel was removed, the large concrete structures were lifted out of the ground. The concrete was temporarily stockpiled near the southeast corner of the site. The concrete structures had to be broken apart to haul away from the property. Photos of the surface gravel and concrete structures are included in Appendix B.

After the surface gravel and concrete were removed from the planned remedial area excavation of the contaminated soils in the bulk fuel storage area was started. Contaminated soil removal was started at the northwest corner of the proposed excavation. Soils were excavated to a depth of ~10 feet which extended into the groundwater and soil samples from the sidewalls were screened for organic vapors to establish the limit of the impacted soils in this area. After the edge of the contaminated soil was established in this area, the excavation was advanced to the south along the western wall. Toward the southern end of the west sidewall we encountered the trench for the storm sewer. Further expansion of the excavation to the south was halted; no field evidence of contamination was noted near the southwest corner of the excavation near the storm sewer.

After establishing the western wall of the remedial excavation soil removal was advanced toward the east. The remediation excavation was extended to the east ~81 feet (Figure 3). Across the area soils were removed to a depth of ~10 feet (the low water table elevation). During the excavation work soil from the excavation sidewalls was screened periodically to confirm the accessible contaminated soils were removed. Significant groundwater was not encountered during the remedial excavation. We had permission to pump groundwater that accumulated in the excavation and take it to the Horicon Sewage Treatment Plant, but this was not done because of the limited volume of groundwater encountered.

After the soil remediation and sampling work was completed the excavation was backfilled. Backfill used to fill the deeper portions of the excavation consisted of clay fill to prevent surface

water infiltration. Materials stockpiled during the remediation were used to fill the excavations near the surface. At the loading rack the stockpiled topsoil was placed from the surface to a depth of ~6 inches. At the bulk fuel storage area, the surface gravel removed prior to conducting the soil remediation was replaced across the work area.

Twelve soil samples were collected during the remedial excavation. Three of the samples were collected in the loading rack excavation and 9 were collected at the bulk storage area excavation. Shallow soil samples collected from the excavations were analyzed for PAHs. Deeper soil samples were analyzed for PVOCs+naphthalene. At the loading rack a shallow soil sample was collected near the center of the excavation and two deeper samples were collected from the base of the excavation. Since the planned excavation was fairly small and shallow (~30 by 30 feet), sidewall samples were not collected in the loading rack area. At the bulk storage area excavation two shallow soil samples were collected and seven deeper samples were collected along the margins of the excavation. Soil analytical data is summarized in Table 1 and laboratory reports are included in Appendix C.

Analysis of the soil samples from the loading rack area indicate that soil contamination exceeding RCLs was removed across this area. Low levels of PVOCs were detected in the two soil samples collected from the excavation base at a depth of 4.5 feet. The concentrations present in these samples were below the groundwater pathway and direct contact hazard RCLs. Low levels of PAHs were detected in the shallow sample collected 3.5 feet below grade. The PAH concentrations in the sample were below the groundwater pathway RCLs and non-industrial direct contact RCLs. The cumulative direct contact risk for the PAHs in the sample ( $8.7 \times 10^{-8}$ ) was below the acceptable level for no-industrial properties.

Soil samples collected from the margins of the bulk fuel storage area excavation indicate that soil exceeding the RCLs was removed across most of the area. Residual contaminants were present above the groundwater pathway RCL in two soil samples (#4 and #5) collected near the southeast corner of the remedial excavation. Compounds exceeding the RCL in these samples included benzene, trimethylbenzenes, and naphthalene. No significant levels of PVOCs were detected in the remaining 5 samples collected along the excavation margin at the water table interface. PAHs were identified in each of the 2 samples collected from the shallow soils (direct contact zone) along the excavation margin. However, none of the PAHs were present at concentrations exceeding the non-industrial direct contact RCL. The cumulative excess cancer risk for the PAHs in these samples was  $4.6 \times 10^{-7}$  and  $5.8 \times 10^{-7}$  (less than the acceptable standard of  $5 \times 10^{-6}$ ).

A total of 1,481.13 tons of contaminated soil were removed at the site. The majority of the contaminated soil was removed from the bulk fuel storage area; the excavation in this area was ~40 by 81 feet. A smaller amount, ~100 tons, was removed from the loading rack area on the north edge of the site; this excavation was ~32 by 32 feet. The contaminated soil was taken to Glacier Ridge Landfill for treatment/disposal (disposal documentation is included in Appendix D). Sampling conducted during the remediation indicates that soil contamination in the loading rack area exceeding WDNR standards was removed. In the bulk fuel storage area, a small volume of soil contamination (25 cubic yards) exceeding the groundwater pathway RCL remains near the southeast corner of the excavation. A storm sewer prevented further excavation in this area. This contamination is present near the water table in soils from 6-8 feet below grade.

### **3.0 POST-REMEDIAL GROUNDWATER MONITORING**

#### **3.1 Well Installation**

On July 18, 2019 a well was installed in the southwestern part of the site to replace MW-2 which had been abandoned to facilitate the remedial excavation. The new well, MW-2R, was located within the remedial excavation area ~22 feet southeast of the former MW-2. The new well was constructed in a manner similar to MW-2. The well is 13.6 feet deep and is equipped with a 10 feet screen. Soil encountered during the drilling include gravel fill from the surface to a depth of ~2 feet. Brown to gray clay soils were present from 2 to 8 feet below grade. Soils present from 8 feet to the bottom of the boring were comprised of gray fine sand. The well was developed on July 19, 2019. Well construction and development forms are included in Appendix A.

#### **3.2 Post-Remedial Groundwater Monitoring Results**

Post-remedial groundwater monitoring was conducted on three occasions July 2019, September 2019, and March 2020. The initial round of post-remedial groundwater monitoring was completed about a month after the soil remediation on July 22, 2019. During the monitoring water level data was measured and groundwater samples were collected from the 4 wells at the site. Groundwater samples from the monitoring wells were analyzed for PVOCs+naphthalene. In addition to the sampling, the top of casing and location of the replacement well was surveyed during the initial monitoring event. Groundwater level data is presented in Table 2 and groundwater analytical data is summarized in Table 3. Results from each of the post-remedial monitoring events are described below.

##### July 2019

Groundwater level data from the July 2019 monitoring is consistent with information collected during the site assessment (2015/16). The water-table at the site was present approximately 5.5 feet below grade. Contouring of the water level data indicates that the groundwater flow at the site generally is toward the east (Figure 4). The horizontal hydraulic gradient in the area of the former bulk fuel storage system was 0.0111 ft/ft.

Groundwater analytical data from July 2019 were similar to data collected during the final monitoring round conducted before the remediation. Groundwater at only monitoring well, MW-2R, contained analytes above the detection limit. All of the PVOCs, with the exception of MTBE, were detected in the groundwater at MW-2R. Three compounds; benzene, trimethylbenzenes, and naphthalene were all present above the NR140 ESs. Two additional compounds, ethylbenzene and xylenes, were present above the NR140 PAL. Groundwater contamination distribution from July 2019 is shown on Figure 4.

##### September 2019

Between July and September 2019, the water-table at the site rose ~0.2 feet and was present approximately 5.3 feet below grade in September. Contouring of the water level data indicates that the groundwater flow remained toward the east (Figure 5). The horizontal hydraulic gradient in the source area was 0.0148 ft/ft.

During the September 2019 monitoring groundwater at only monitoring well, MW-2R, contained analytes above the detection limit. All of the PVOCs (except MTBE) were detected in the groundwater at MW-2R. Only one compound, benzene, was present above the NR140 ES.

Three additional compounds, ethylbenzene, trimethylbenzenes, and naphthalene, were present above the PAL. The groundwater contamination distribution from September 2019 is shown on Figure 5.

#### March 2020

In March 2020 the water-table at the site was present approximately 5.7 feet below grade showing a drop of ~0.4 feet since the September 2019 monitoring. Contouring of the water level data indicates that the groundwater flow at the site generally was toward the east (Figure 6). The horizontal hydraulic gradient was 0.0093 ft/ft. The hydraulic gradient measured during this event is smaller than typically has been noted at the site. This decline primarily is the result of a lower groundwater elevation in the source area well (MW-2R).

During the March 2020 sampling PVOCs were detected in the groundwater at two wells, MW-2R and MW-3. All PVOCs (except MTBE) were detected in the groundwater at MW-2R, only benzene was detected at MW-3. At MW-2R only one compound, benzene, was present above the NR140 ES. The benzene level (258 ug/l) was similar to the value measured in September 2019 (250 ug/l). Three additional compounds, ethylbenzene, trimethylbenzenes, and naphthalene, were present above the PAL. At MW-3, which is located about 8 feet downgradient from the remedial excavation, benzene was present at 0.29 ug/l. This concentration is below NR140 groundwater quality standards. The groundwater contamination distribution from March 2020 is shown on Figure 6.

#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

The accessible contaminated soil has been removed from the site. Sampling conducted during the soil remediation indicates that no shallow soil contamination which represents a direct contact hazard remains at the site. A small area of soil with PVOCs exceeding the groundwater pathway RCLs remains near the southeast corner of the remedial excavation in the bulk storage area. This soil is present below the high water table elevation.

Post-remedial groundwater monitoring indicates that groundwater contamination exceeding the NR140 ES is limited to the former bulk fuel storage area. No petroleum contaminants were detected above the NR140 PAL in the groundwater samples from the three monitoring wells located downgradient from the source area. The monitoring data indicates that the levels of the contaminants in the source area well are stable or declining (Figure 7). Since the source of the contaminants has been removed groundwater quality should continue to improve.

We believe that the site is ready for closure with a GIS for residual soil and groundwater contamination.

Questions about this should be directed to Robyn Seymour or Mark Fryman at (608) 838-9120.

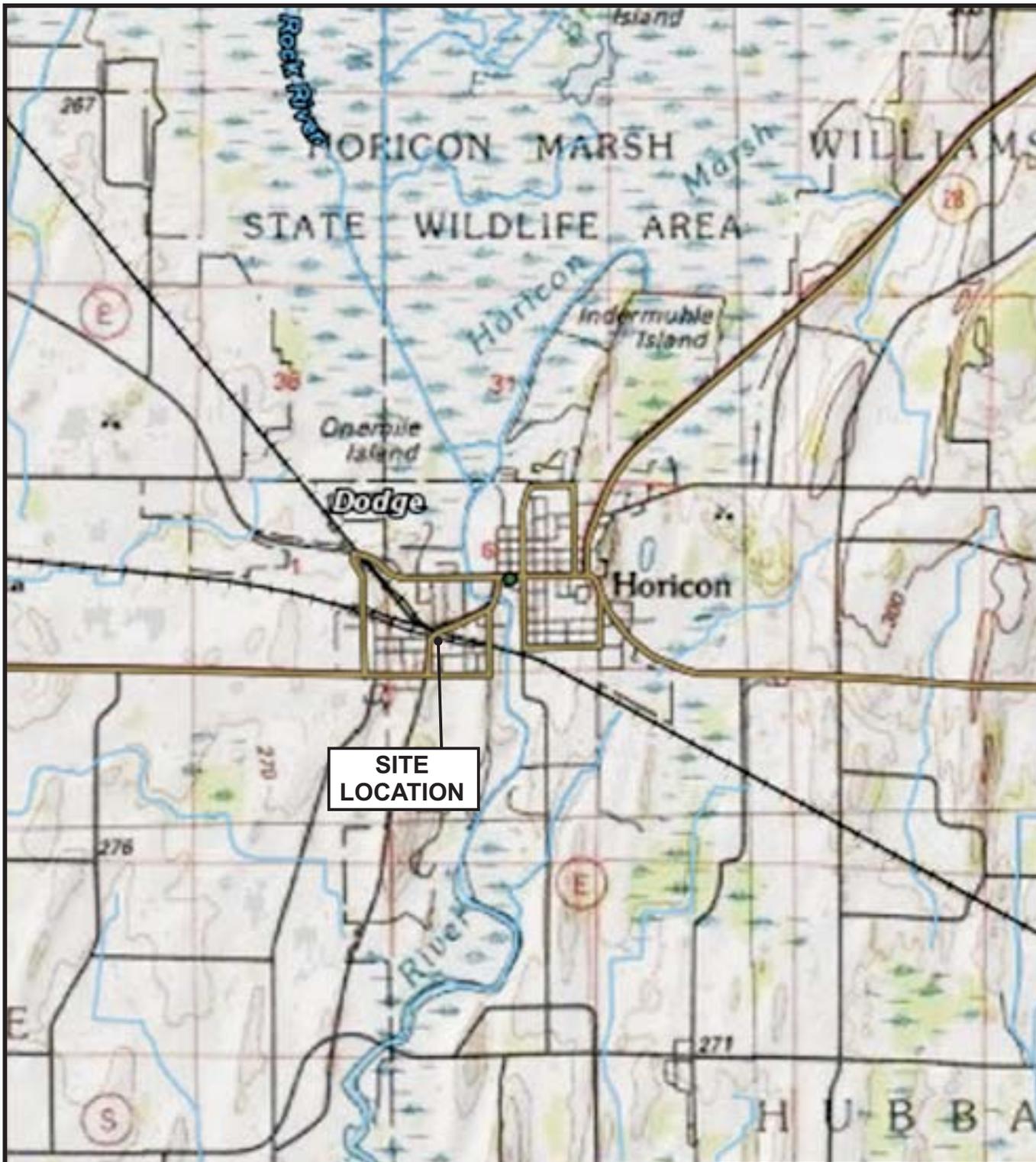
Sincerely,

**Seymour Environmental Services, Inc.**



Robyn Seymour

## **FIGURES**



1 INCH = 4000 FEET  
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\Brittingham-Parkview\basemap.cdr

DATE: 06/09/2014

PREPARED: MDF APPROVED:

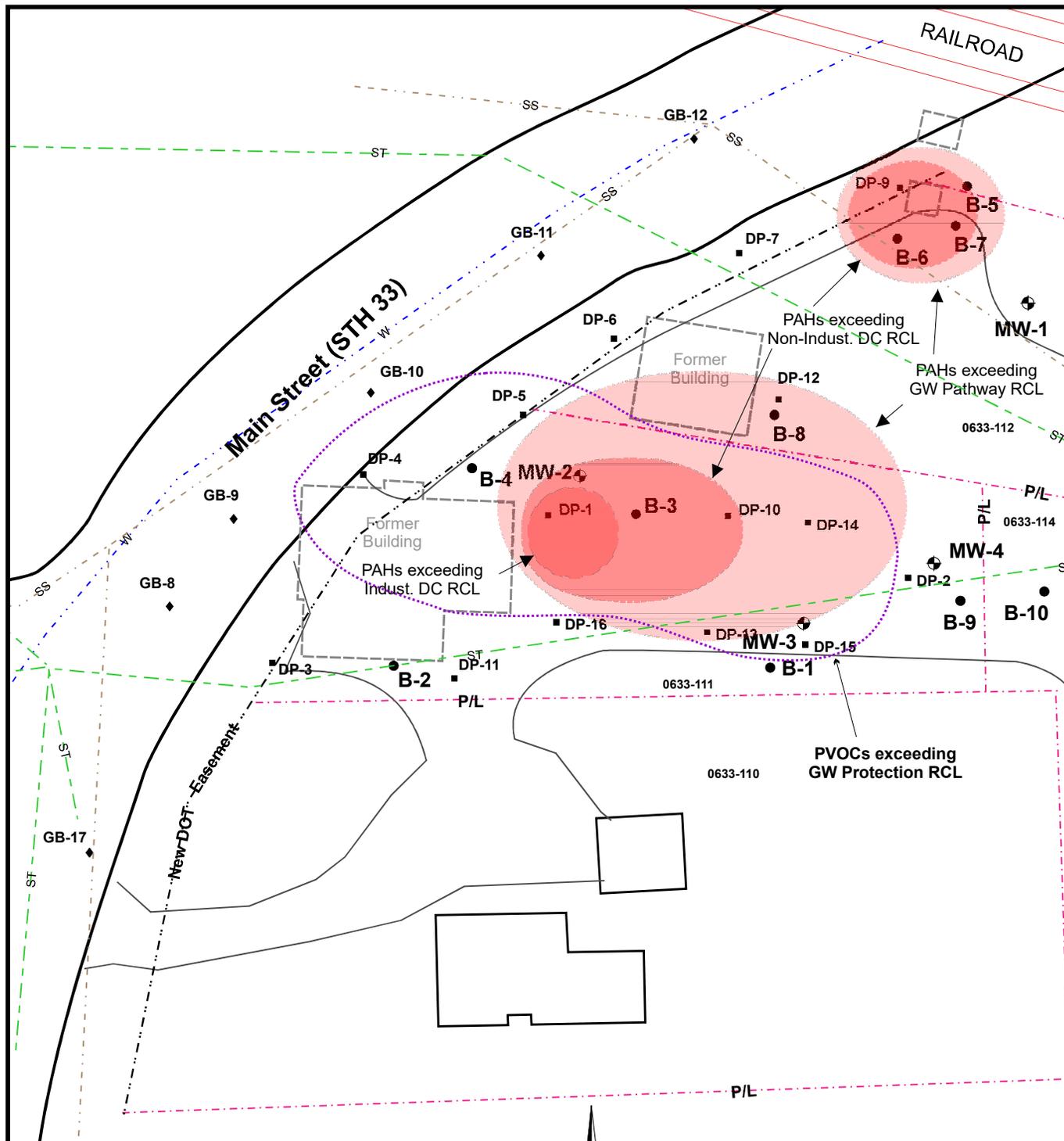
SOURCE:  
USGS 7.5' Quadrangle

SEYMOUR  
ENVIRONMENTAL  
SERVICES, INC.

SITE LOCATION  
FREI OIL PROPERTY  
207 Highway Street  
Horicon, Wisconsin

FIGURE

1



**LEGEND**

- GB-8 ◆ - WDOT Boring (2006)
- DP-11 ■ - Soil Boring (2007)
- B-1 ● - Soil Boring (2014)
- MW-1 Ⓢ - Monitoring Well

N

0      40'      80'

1 INCH = 40 FEET  
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\FREI-OIL\  
Basemap-SoilCont\_SI.cdr

DATE: 03/09/2020

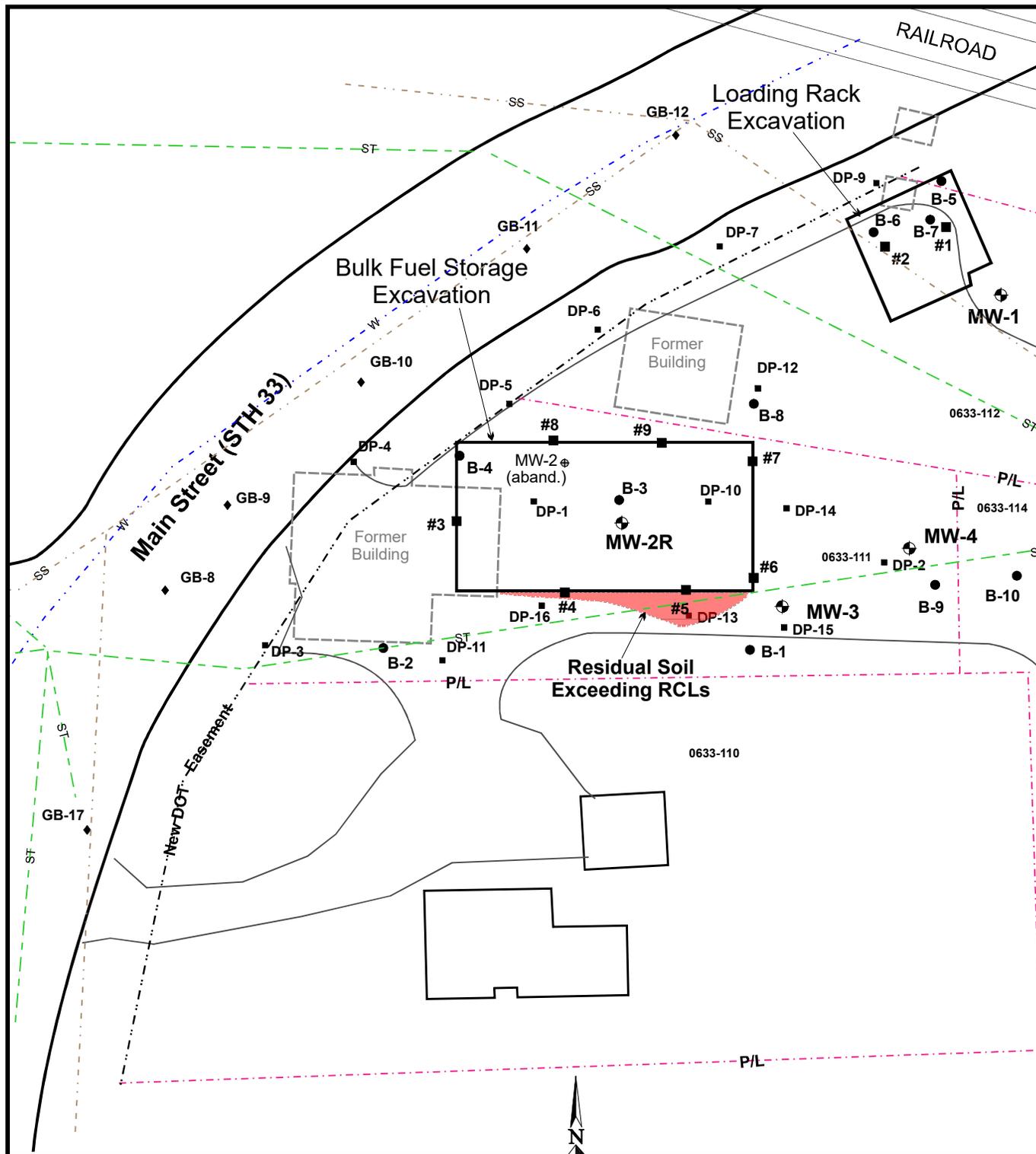
PREPARED: MDF      APPROVED:

SOURCE:  
FIELD MEASUREMENTS  
DODGE COUNTY PUBLIC MAPPING

**SEYMOUR  
ENVIRONMENTAL  
SERVICES, INC.**

**IDENTIFIED SOIL CONTAMINATION  
FREI OIL PROPERTY  
207 Highway Street  
Horicon, Wisconsin**

**FIGURE  
2**



**LEGEND**

#2 ■ - Excavation Sample

MW-1 ◉ - Monitoring Well

0 40' 80'

1 INCH = 40 FEET  
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\FREI-OIL\  
Basemap-Excavation.cdr

DATE: 03/09/2020

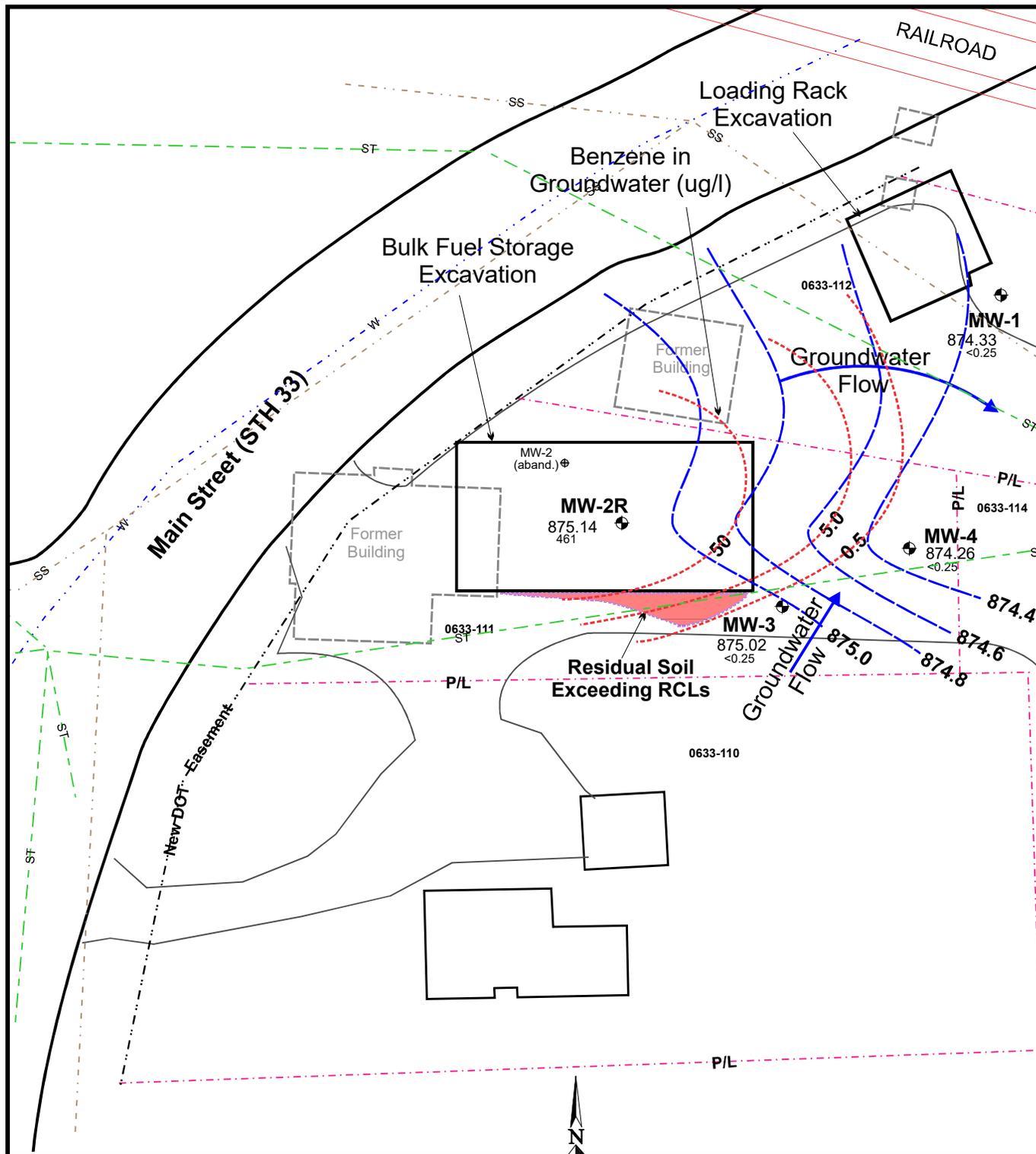
PREPARED: MDF APPROVED:

SOURCE:  
FIELD MEASUREMENTS  
DODGE COUNTY PUBLIC MAPPING

**SEYMOUR  
ENVIRONMENTAL  
SERVICES, INC.**

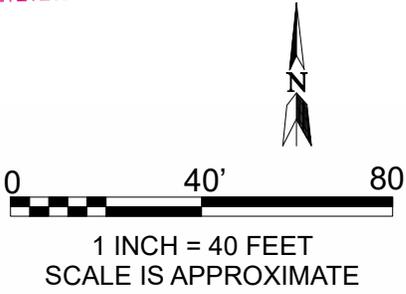
**REMEDIAL EXCAVATION DETAILS (July 2019)  
FREI OIL PROPERTY  
207 Highway Street  
Horicon, Wisconsin**

**FIGURE  
3**



**LEGEND**

MW-1  
 - Monitoring Well



FILE/PATH: D:\PROJECTS\FREI-OIL\  
 Basemap-GWdata\_July19.cdr

DATE: 03/09/2020

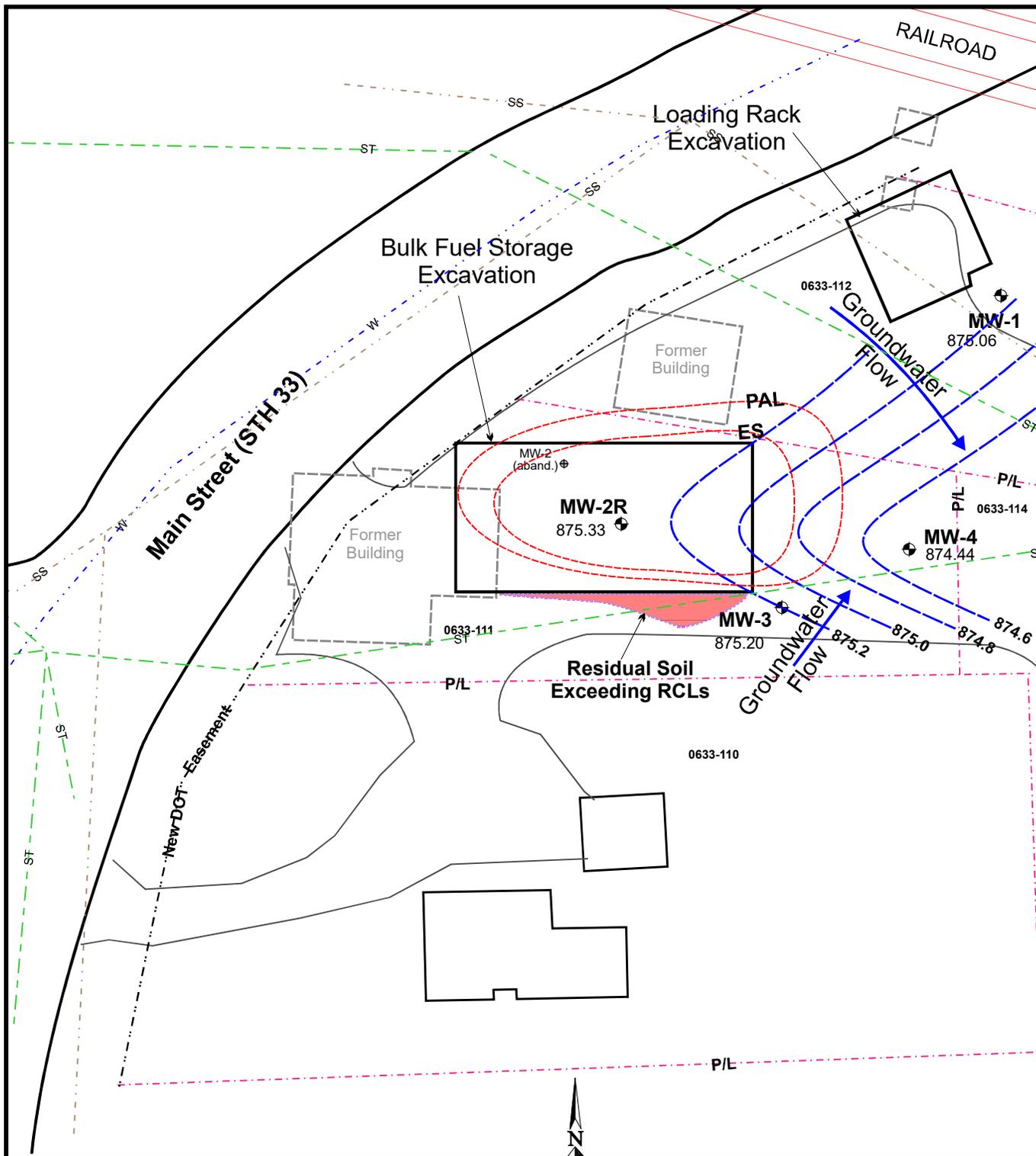
PREPARED: MDF APPROVED:

SOURCE:  
 FIELD MEASUREMENTS  
 DODGE COUNTY PUBLIC MAPPING

SEYMOUR  
 ENVIRONMENTAL  
 SERVICES, INC.

GROUNDWATER MONITORING DATA (July 2019)  
 FREI OIL PROPERTY  
 207 Highway Street  
 Horicon, Wisconsin

FIGURE  
**4**



**LEGEND**

MW-1 - Monitoring Well

0 40' 80'

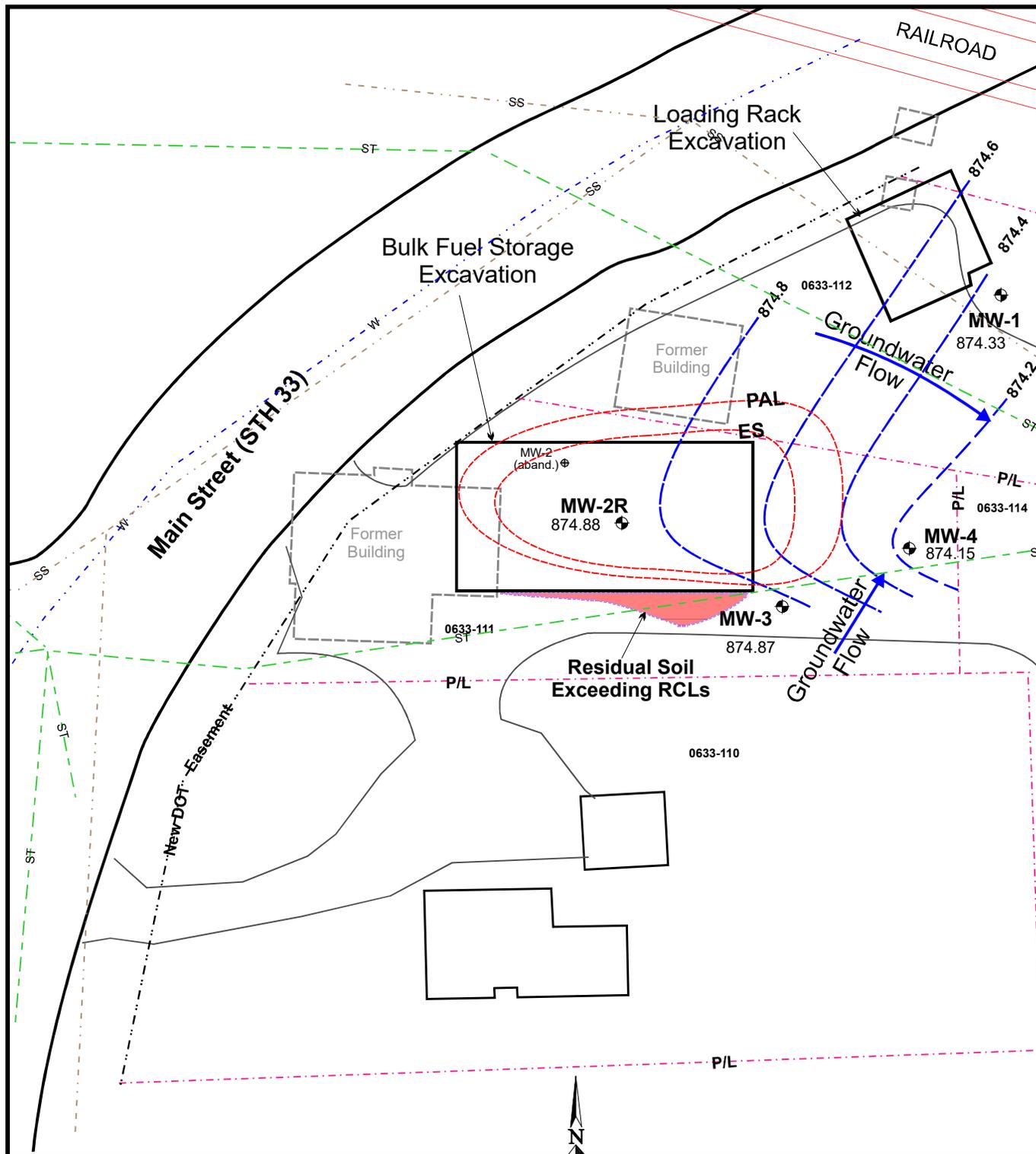
1 INCH = 40 FEET  
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\FREI-OIL\Basemap-GWdata\_Sept19.cdr  
 DATE: 03/09/2020  
 PREPARED: MDF APPROVED:  
 SOURCE: FIELD MEASUREMENTS  
 DODGE COUNTY PUBLIC MAPPING

SEYMOUR ENVIRONMENTAL SERVICES, INC.

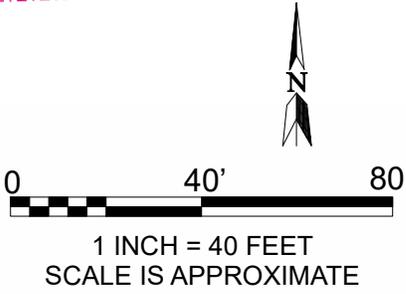
GROUNDWATER MONITORING DATA (Sept. 2019)  
 FREI OIL PROPERTY  
 207 Highway Street  
 Horicon, Wisconsin

FIGURE  
**5**



**LEGEND**

MW-1 - Monitoring Well



FILE/PATH: D:\PROJECTS\FREI-OIL\  
Basemap-GWdata\_March20.cdr

DATE: 03/09/2020

PREPARED: MDF APPROVED:

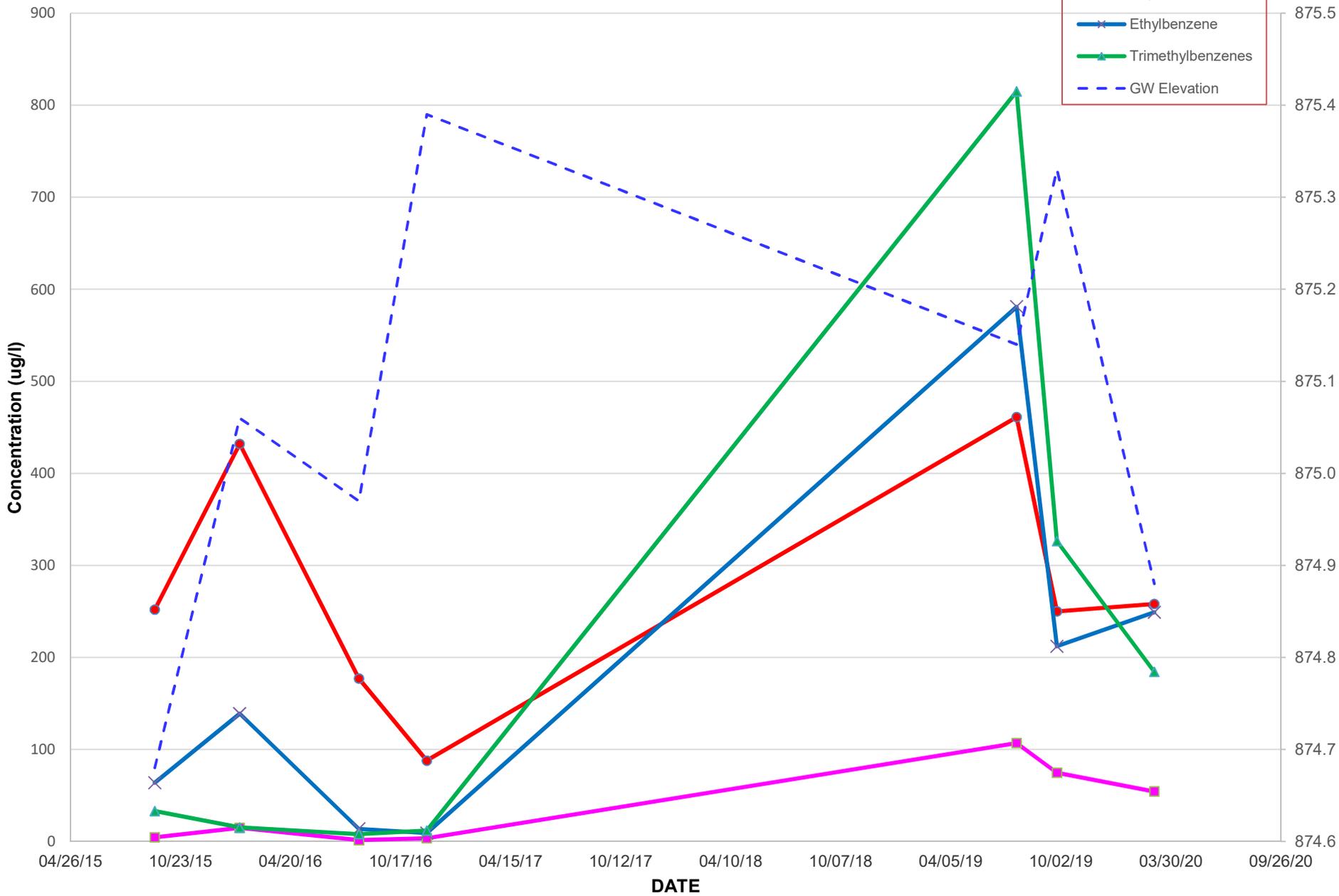
SOURCE:  
FIELD MEASUREMENTS  
DODGE COUNTY PUBLIC MAPPING

SEYMOUR  
ENVIRONMENTAL  
SERVICES, INC.

GROUNDWATER MONITORING DATA (March 2020)  
FREI OIL PROPERTY  
207 Highway Street  
Horicon, Wisconsin

FIGURE  
**6**

**FIGURE 7**  
**Groundwater Level and Chemistry Trends (MW-2/2R)**  
**Frei Oil - Horicon WI**



## **TABLES**

**TABLE 1**  
**SUMMARY OF SOIL ANALYTICAL DATA FROM REMEDIAL EXCAVATION (July 2019)**  
**Frei Oil - 207 Highway Street - Horicon, WI**

Excavation Sample I.D.	Loading Rack			Bulk Fuel Storage Area									Groundwater Pathway RCLs	Non-Indust Direct Contact RCLs
	#1	#1	#2	#3	#4	#5	#6	#7	#8	#8	#9	#9		
Depth (ft)	3	2 1/2	2	3	2 1/2	4 1/2	8	7	3	7	2 1/2	7		
<b>PVOCs</b>														
Benzene	na	<25.0	<25.0	<25.0	<b>124</b>	<b>121</b>	<25.0	<25.0	na	<25.0	na	<25.0	5.1	1600
1,2 Dichloroethane	na	na	na	na	na	na	na	na	na	na	na	na	2.8	652
Ethylbenzene	na	<25.0	<25.0	<25.0	883	513	<25.0	<25.0	na	<25.0	na	<25.0	1570	8020
Methyl-tert-butyl ether	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	na	<25.0	na	<25.0	27	63,800
Toluene	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	na	<25.0	na	<25.0	1107	818,000
1,3,5 Trimethylbenzene	na	82.8	<25.0	<25.0	1360	627	<25.0	<25.0	na	<25.0	na	<25.0	ns	182,000
1,2,4 Trimethylbenzene	na	369	104	<25.0	5330	2430	<25.0	56.7 (J)	na	<25.0	na	<25.0	ns	219,000
Total Trimethylbenzenes	na	451.8	104	<50.0	<b>6690</b>	<b>3057</b>	<50.0	56.7 (J)	na	<50.0	na	<50.0	1379	ns
Total Xylenes	na	111	<75.0	<75.0	1588.1	840	<75.0	<75.0	na	<75.0	na	<75.0	3940	260,000
Naphthalene	na	61.7 (J)	<40.0	<40.0	<b>1970</b>	<b>1230</b>	<40.0	<40.0	na	<40.0	na	<40.0	658.7	5520
<b>PAHs</b>														
Acenaphthrene	5.1 (J)	na	na	na	na	na	na	na	<4.9	na	<4.6	na	ns	3,590,000
Acenaphthylene	<4.2	na	na	na	na	na	na	na	15.7	na	18	na	ns	ns
Anthracene	<7.2	na	na	na	na	na	na	na	15.7 (J)	na	18.3 (J)	na	196,744	17,900,000
Benzo(a)anthracene	7.7 (J)	na	na	na	na	na	na	na	29.1	na	37.7	na	--	1,140
Benzo(a)pyrene	5.3 (J)	na	na	na	na	na	na	na	35.0	na	46.1	na	470	115
Benzo(b)fluoranthene	7.9 (J)	na	na	na	na	na	na	na	67.6	na	76.9	na	480	1,150
Benzo(g,h,i)perylene	<2.6	na	na	na	na	na	na	na	19.5	na	23.8	na	ns	ns
Benzo(k)fluoranthene	3.3 (J)	na	na	na	na	na	na	na	21.5	na	27.6	na	ns	11,500
Chrysene	<4.3	na	na	na	na	na	na	na	34.5	na	42.4	na	145.1	115,000
Dibenzo(a,h)anthracene	<2.8	na	na	na	na	na	na	na	6.2 (J)	na	6.9	na	ns	115
Fluoranthene	<6.6	na	na	na	na	na	na	na	54.1	na	67.1	na	88,818	2,390,000
Fluorene	6.4 (J)	na	na	na	na	na	na	na	<5.2	na	<4.9	na	14,815	2,390,000
Indeno(1,2,3-cd)pyrene	<2.8	na	na	na	na	na	na	na	17.2	na	20.6	na	ns	1,150
1-Methylnaphthalene	20.4	na	na	na	na	na	na	na	<5.1	na	19.8	na	ns	17,600
2-Methylnaphthalene	34.6	na	na	na	na	na	na	na	<6.3	na	53.7	na	ns	239,000
Naphthalene	20.1 (J)	na	na	na	na	na	na	na	13.1 (J)	na	44.6	na	658.7	5,520
Phenanthrene	30.7 (J)	na	na	na	na	na	na	na	28.6 (J)	na	35.0 (J)	na	ns	ns
Pyrene	9.8 (J)	na	na	na	na	na	na	na	46.1	na	61.1	na	54,772	1,790,000

- PVOCs and PAHs are reported in ug/kg  
- na = not analyzed  
- ns = no standard established

- (J) = Detected below limit of quantitation

- Groundwater Protection RCL (exceedances bold)  
- Direct Contact RCL for non-industrial properties (exceedances underlined)  
- Soil standards from R&R Calculator using Wisconsin defaults

**TABLE 2**  
**SUMMARY OF WELL CONSTRUCTION AND GROUNDWATER LEVEL DATA**  
 Frei Oil - 207 Highway Street  
 Horicon, WI

WELL CONSTRUCTION DETAILS								
WELL	Date Installed	Top of Casing Elevation	Well Depth	Screen Length	Top of Screen Elevation	Base of Screen Elevation		
MW-1	09/03/2015	880.74	15.82	10	874.92	864.92		
MW-2	09/03/2015	881.61	14.75	10	876.86	866.86		
MW-2R	07/18/2019	880.72	13.60	10	877.12	867.12		
MW-3	09/03/2015	880.03	14.60	10	875.43	865.43		
MW-4	09/03/2015	879.37	13.25	10	876.12	866.12		
WATER LEVEL DATA								
WELL	9/11/2015		01/28/16		08/10/16		11/29/16	
	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation
MW-1	7.33	873.41	6.90	873.84	7.15	873.59	6.22	874.52
MW-2	6.93	874.68	6.55	875.06	6.64	874.97	6.22	875.39
MW-2R	ni	ni	ni	ni	ni	ni	ni	ni
MW-3	5.60	874.43	5.37	874.66	5.56	874.47	5.09	874.94
MW-4	5.88	873.49	5.53	873.84	5.73	873.64	5.10	874.27
Hydraulic Gradient	0.0144 ft/ft N78°E		0.0138 ft/ft N78°E		0.0139 ft/ft N78°E		0.0094 ft/ft S86°E	
WELL	07/22/19		09/26/19		3/3/2020			
	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation
MW-1	6.41	874.33	5.68	875.06	6.39	874.35		
MW-2	abd	abd	abd	abd	abd	abd		
MW-2R	5.58	875.14	5.39	875.33	5.84	874.88		
MW-3	5.01	875.02	4.83	875.20	5.16	874.87		
MW-4	5.11	874.26	4.93	874.44	5.22	874.15		
Hydraulic Gradient	0.0111 ft/ft S85°E		0.0148 ft/ft S86°E		0.0093 ft/ft S85°E			
- Depth and Length values are listed in feet - Elevation data listed in feet above mean sea level (NAVD 1929) - ni = not installed yet - abd = well abandoned - Well MW-2 abandoned in July 2019 during remedial excavation - Hydraulic gradient information from bulk fuel storage area								

TABLE 3  
SUMMARY OF GROUNDWATER MONITORING DATA  
Frei Oil  
207 Highway Street - Horicon, WI

Well	Date	GW Depth	GW Elevation	Benzene	Ethylbenzene	MTBE	Toluene	Total Trimethylbenzenes	Total Xylenes	Naphthalene
MW-1	09/11/15	7.33	873.41	<0.50	<0.50	<0.17	<0.50	<1.00	<1.5	<2.5
	01/28/16	6.90	873.84	<0.50	<0.50	<0.17	<0.50	<1.00	<1.5	<2.5
	08/10/16	7.15	873.59	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42
	11/29/16	6.22	874.52	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42
	07/22/19	6.41	874.33	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	09/26/19	5.68	875.06	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	03/03/20	6.39	874.35	<0.25	<0.32	<1.2	<0.27	<1.71	<0.73	<1.2
MW-2	09/11/15	6.93	874.68	<b>252</b>	63.8	<0.17	4.5	33.0	142.6	4.5
	01/28/16	6.55	875.06	<b>432</b>	139	1.4 (J)	5.0	15.3	54.7	<u>14.8</u>
	08/10/16	6.64	874.97	<b>177</b>	13.7	2.4	1.8	7.98	28.5	1.5
	11/29/16	6.22	875.39	<b>87.9</b>	9.1	1.7	1.5	11.9	27.7	3.5
MW-2R	07/22/19	5.58	875.14	<b>461</b>	<u>581</u>	<12.5	9.2 (J)	<b>815</b>	<u>878.8</u>	<b>107</b>
	09/26/19	5.39	875.33	<b>250</b>	<u>212</u>	<3.1	2.8 (J)	<u>326.4</u>	243.4	<u>74.7</u>
	03/03/20	5.84	874.88	<b>258</b>	<u>249</u>	<3.1	1.9 (J)	<u>184.3</u>	172.6	<u>54.3</u>
MW-3	09/11/15	5.60	874.43	<u>1.1</u>	2.2	<0.17	<0.50	5.8	4.5	8.3
	01/28/16	5.37	874.66	<u>1.2</u>	2.1	<0.17	<0.50	0.84 (J)	1.0 (J)	5.9
	08/10/16	5.56	874.47	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42
	11/29/16	5.09	874.94	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42
	07/22/19	5.01	875.02	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	09/26/19	4.83	875.20	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	03/03/20	5.16	874.87	0.29 (J)	<0.32	<1.2	<0.27	<1.71	<0.73	<1.2
MW-4	09/11/15	5.88	873.49	<0.50	<0.50	0.50 (J)	<0.50	<1.00	<1.5	<2.5
	01/28/16	5.53	873.84	<0.50	<0.50	0.36 (J)	<0.50	<1.00	<1.5	<2.5
	08/10/16	5.73	873.64	<0.40	<0.39	0.76 (J)	<0.39	<0.84	<1.25	<0.42
	11/29/16	5.10	874.27	<0.40	<0.39	<0.48	<0.39	<0.84	<1.25	<0.42
	07/22/19	5.11	874.26	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	09/26/19	4.93	874.44	<0.25	<0.22	<1.2	<0.17	<1.71	<0.73	<1.2
	03/03/20	5.22	874.15	<0.25	<0.32	<1.2	<0.27	<1.71	<0.73	<1.2
NR140 ES		--	--	5	700	60	800	480	2000	100
NR140 PAL		--	--	0.5	140	12	160	96	400	10

- Analytical results are reported in ug/l  
- na = not analyzed  
- ns = no standard established

- (J) = Values estimated by lab; below limit of quantitation  
- NR140 ES = Enforcement Standard (exceedances bold)  
- NR140 PAL = Preventative Action Limit (exceedances underline)

**APPENDIX A**

**BORING LOG AND WELL FORMS**

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

Page 1 of 1

Facility/Project Name <b>FREI OIL (Former)</b>		License/Permit/Monitoring Number		Boring Number <b>MW-2R</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <b>MARC</b> Last Name: <b>CANNON</b> Firm: <b>BROWN STACE DRILLING</b>		Date Drilling Started <b>07/18/2019</b> m m d d y y y y	Date Drilling Completed <b>07/18/2019</b> m m d d y y y y	Drilling Method <b>HOLLOW STEM AUGER</b>	
WI Unique Well No. <b>VY049</b>	DNR Well ID No.	Well Name <b>MW-2R</b>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane N, E		Local Grid Location N, E, S, W	
SW 1/4 of SW 1/4 of Section <b>6</b> , T <b>11</b> N, R <b>19</b> E		Lat <b>0</b> ' <b>0</b> "		Long <b>0</b> ' <b>0</b> "	
Facility ID		County <b>Dodge</b>	County Code <b>14</b>	Civil Town/City/ or Village <b>CITY OF HORICON</b>	

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0	GRANUL, WELL-SORTED, FIRM, DRY	GW									
			2	BROWN CLAY, SOME STAINING, PETROLEUM OIL	CL									
			4											
			6	GRAN CLAY w GRS; TRACE FINE SAND, STIFF, MOIST, SATURATED FROM 2.65'	CL									
			8	GRAN FINE TO COARSE SAND, FIRM, SATURATION										
			10											
			12											
			14											
			15.6	END OF Boring 15.6 FT										

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

Signature: **Robyn Seymour** Firm: **SEYMOUR ENVIRONMENTAL**

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.

Facility/Project Name <u>Site Investigation</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N <input type="checkbox"/> S _____ ft. <input type="checkbox"/> E <input type="checkbox"/> W	Well Name <u>Mx 2R</u>
Facility License, Permit or Monitoring Number _____	Grid Origin Location Lat. _____ Long. _____ or _____	Wis. Unique Well Number <u>VY849</u> DNR Well Number _____
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed <u>07/18/19</u> m m d d y y
Distance Well Is From Waste/Source Boundary _____ ft.	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Mark Crampton</u> <u>BSD</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation <u>Flush</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>2</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>9.0</u> in. b. Length: <u>1</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>

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

13. Sieve analysis attached?  Yes  No

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

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

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

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

E. Bentonite seal, top _____ ft. MSL or <u>1</u> ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>2</u> ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>#40-60 Ohio</u> b. Volume added _____ ft <sup>3</sup>
G. Filter pack, top _____ ft. MSL or <u>3</u> ft.	8. Filter pack material: Manufacturer, product name and mesh size a. <u>1.0-2.0 Ohio</u> b. Volume added _____ ft <sup>3</sup>
H. Screen joint, top _____ ft. MSL or <u>4</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <u>14.6</u> ft.	10. Screen material: <u>Sch 40 PVC</u> a. Screen type: Factory cut <input type="checkbox"/> 11 Continuous slot <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or <u>14.6</u> ft.	b. Manufacturer <u>Monoflat</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
K. Borehole, bottom _____ ft. MSL or <u>15.6</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>
L. Borehole, diameter <u>8.0</u> in.	
M. O.D. well casing <u>2.30</u> in.	
N. I.D. well casing <u>2</u> in.	

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

Signature Mark Crampton Firm Badger State Drilling Inc.

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

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

Facility/Project Name <u>Free Oil</u>	County Name <u>Dodge</u>	Well Name <u>MW-2R</u>
Facility License, Permit or Monitoring Number	County Code <u>14</u>	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 50.0 min.
4. Depth of well (from top of well casing) 14.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing \_\_\_\_\_ gal.
7. Volume of water removed from well 55.0 gal.
8. Volume of water added (if any) \_\_\_\_\_ gal.
9. Source of water added \_\_\_\_\_
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |                                                                           | Before Development                                                                               | After Development                                                                                |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 11. Depth to Water (from top of well casing)                              | a. <u>6.90</u> ft.                                                                               | <u>7.85</u> ft.                                                                                  |
| Date                                                                      | b. <u>07/19/2019</u><br>m m d d y y y y                                                          | <u>07/19/2019</u><br>m m d d y y y y                                                             |
| Time                                                                      | c. <u>07:00</u> <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.                      | <u>08:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.              |
| 12. Sediment in well bottom                                               | <u>1.0</u> inches                                                                                | <u>0.5</u> inches                                                                                |
| 13. Water clarity                                                         | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) |
| Fill in if drilling fluids were used and well is at solid waste facility: |                                                                                                  |                                                                                                  |
| 14. Total suspended solids                                                | _____ mg/l                                                                                       | _____ mg/l                                                                                       |
| 15. COD                                                                   | _____ mg/l                                                                                       | _____ mg/l                                                                                       |

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

First Name: Robyn Last Name: Seymour

Firm: \_\_\_\_\_

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Robyn Last Name: Seymour

Facility/Firm: Seymour Environmental

Street: 2531 Pyreson Road

City/State/Zip: McFarland, WI 53558

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

Signature: Robyn Seymour

Print Name: Robyn Seymour

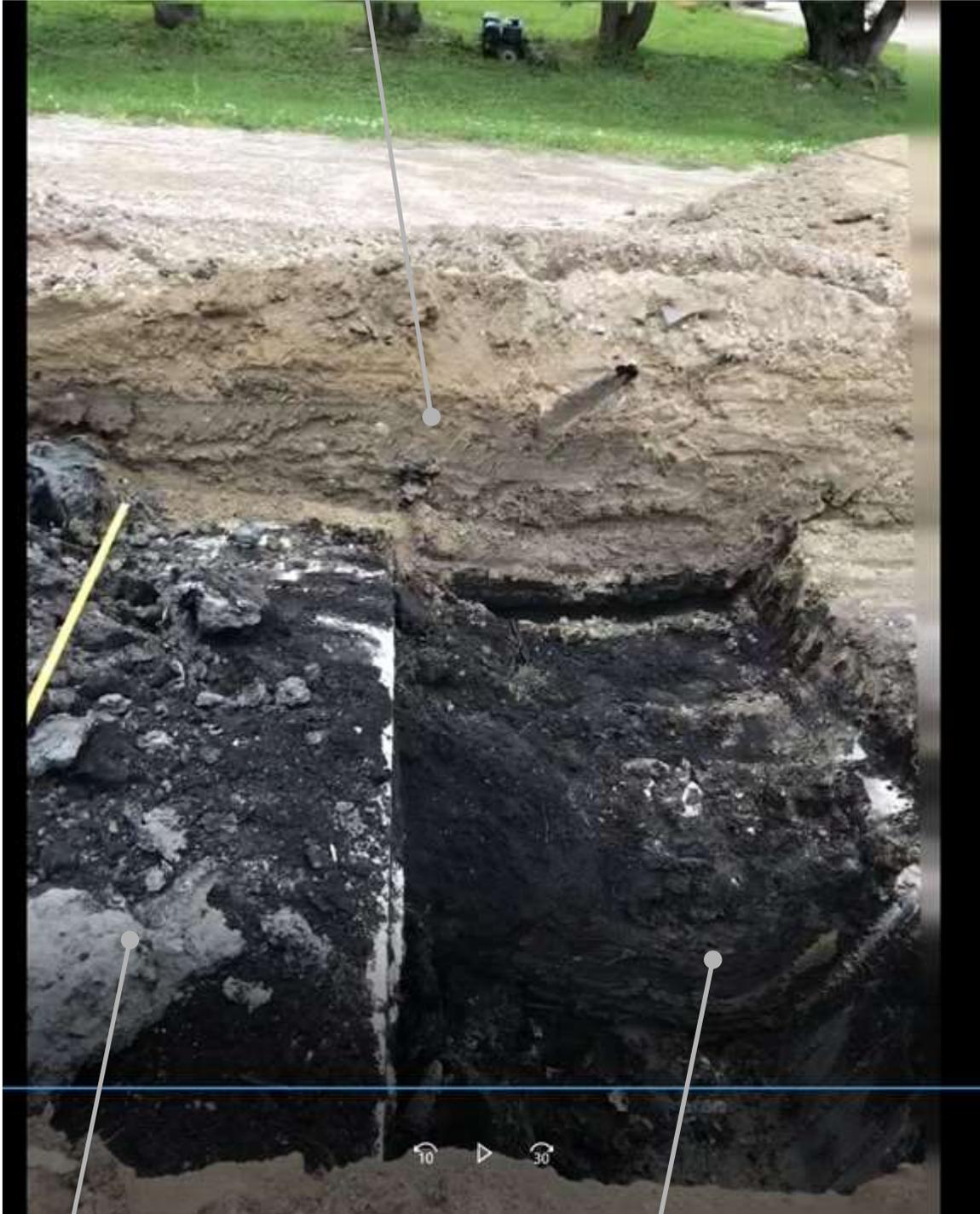
Firm: Seymour Environmental

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

## **APPENDIX B**

### **REMEDIAL EXCAVATION PHOTOS**

Gravel Parking Lot Surface (clean)



Concrete Tank Anchor/Ballast

Concrete Tank Anchor/Ballast

## **APPENDIX C**

### **LABORATORY REPORTS**

July 22, 2019

Robyn Seymour  
Seymour Environmental Services, INC.  
2531 Dyreson Road  
Mc Farland, WI 53558

RE: Project: FREI OIL  
Pace Project No.: 40190849

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: FREI OIL

Pace Project No.: 40190849

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### Green Bay Certification IDs

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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: FREI OIL  
Pace Project No.: 40190849

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40190849001	EXCAVATION2, #1	Solid	07/01/19 16:15	07/09/19 09:42
40190849002	EXCAVATION2, #2	Solid	07/02/19 08:00	07/09/19 09:42
40190849003	EXCAVATION2, #3	Solid	07/02/19 12:15	07/09/19 09:42
40190849004	EXCAVATION2, #4	Solid	07/02/19 16:30	07/09/19 09:42
40190849005	EXCAVATION2, #5	Solid	07/02/19 17:00	07/09/19 09:42
40190849006	EXCAVATION2, #6	Solid	07/03/19 06:30	07/09/19 09:42
40190849007	EXCAVATION2, #7	Solid	07/03/19 13:30	07/09/19 09:42
40190849008	EXCAVATION2, #8	Solid	07/08/19 08:00	07/09/19 09:42
40190849009	EXCAVATION2, #9	Solid	07/08/19 08:15	07/09/19 09:42
40190849010	EXC2 #1, SHALLOW	Solid	07/01/19 16:20	07/09/19 09:42
40190849011	EXC2 #8, SHALLOW	Solid	07/01/19 07:15	07/09/19 09:42
40190849012	EXC2 #9, SHALLOW	Solid	07/01/19 08:15	07/09/19 09:42

## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: FREI OIL  
Pace Project No.: 40190849

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40190849001	EXCAVATION2, #1	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849002	EXCAVATION2, #2	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849003	EXCAVATION2, #3	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849004	EXCAVATION2, #4	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849005	EXCAVATION2, #5	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849006	EXCAVATION2, #6	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849007	EXCAVATION2, #7	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849008	EXCAVATION2, #8	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849009	EXCAVATION2, #9	EPA 8260	ALD	12
		ASTM D2974-87	SKW	1
40190849010	EXC2 #1, SHALLOW	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190849011	EXC2 #8, SHALLOW	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190849012	EXC2 #9, SHALLOW	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	AH	1

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: FREI OIL  
Pace Project No.: 40190849

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40190849001</b>	<b>EXCAVATION2, #1</b>					
EPA 8260	Naphthalene	61.7J	ug/kg	327	07/10/19 14:36	
EPA 8260	1,2,4-Trimethylbenzene	369	ug/kg	78.6	07/10/19 14:36	
EPA 8260	1,3,5-Trimethylbenzene	82.8	ug/kg	78.6	07/10/19 14:36	
EPA 8260	m&p-Xylene	111J	ug/kg	157	07/10/19 14:36	
ASTM D2974-87	Percent Moisture	23.6	%	0.10	07/10/19 11:40	
<b>40190849002</b>	<b>EXCAVATION2, #2</b>					
EPA 8260	1,2,4-Trimethylbenzene	104	ug/kg	74.4	07/10/19 14:59	
ASTM D2974-87	Percent Moisture	19.3	%	0.10	07/10/19 11:41	
<b>40190849003</b>	<b>EXCAVATION2, #3</b>					
ASTM D2974-87	Percent Moisture	18.7	%	0.10	07/10/19 11:41	
<b>40190849004</b>	<b>EXCAVATION2, #4</b>					
EPA 8260	Benzene	124	ug/kg	77.2	07/10/19 11:12	
EPA 8260	Ethylbenzene	883	ug/kg	77.2	07/10/19 11:12	
EPA 8260	Naphthalene	1970	ug/kg	322	07/10/19 11:12	
EPA 8260	1,2,4-Trimethylbenzene	5330	ug/kg	77.2	07/10/19 11:12	
EPA 8260	1,3,5-Trimethylbenzene	1360	ug/kg	77.2	07/10/19 11:12	
EPA 8260	m&p-Xylene	1510	ug/kg	154	07/10/19 11:12	
EPA 8260	o-Xylene	78.1	ug/kg	77.2	07/10/19 11:12	
ASTM D2974-87	Percent Moisture	22.3	%	0.10	07/10/19 11:41	
<b>40190849005</b>	<b>EXCAVATION2, #5</b>					
EPA 8260	Benzene	121	ug/kg	75.1	07/10/19 18:00	
EPA 8260	Ethylbenzene	513	ug/kg	75.1	07/10/19 18:00	
EPA 8260	Naphthalene	1230	ug/kg	313	07/10/19 18:00	
EPA 8260	1,2,4-Trimethylbenzene	2430	ug/kg	75.1	07/10/19 18:00	
EPA 8260	1,3,5-Trimethylbenzene	627	ug/kg	75.1	07/10/19 18:00	
EPA 8260	m&p-Xylene	840	ug/kg	150	07/10/19 18:00	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	07/10/19 11:41	
<b>40190849006</b>	<b>EXCAVATION2, #6</b>					
ASTM D2974-87	Percent Moisture	22.2	%	0.10	07/10/19 11:41	
<b>40190849007</b>	<b>EXCAVATION2, #7</b>					
EPA 8260	1,2,4-Trimethylbenzene	56.7J	ug/kg	76.7	07/10/19 16:07	
ASTM D2974-87	Percent Moisture	21.8	%	0.10	07/10/19 11:41	
<b>40190849008</b>	<b>EXCAVATION2, #8</b>					
ASTM D2974-87	Percent Moisture	24.1	%	0.10	07/10/19 11:41	
<b>40190849009</b>	<b>EXCAVATION2, #9</b>					
ASTM D2974-87	Percent Moisture	8.6	%	0.10	07/10/19 11:41	
<b>40190849010</b>	<b>EXC2 #1, SHALLOW</b>					
EPA 8270 by SIM	Acenaphthene	5.1J	ug/kg	16.3	07/11/19 19:43	
EPA 8270 by SIM	Benzo(a)anthracene	7.7J	ug/kg	13.4	07/11/19 19:43	
EPA 8270 by SIM	Benzo(a)pyrene	5.3J	ug/kg	10.6	07/11/19 19:43	
EPA 8270 by SIM	Benzo(b)fluoranthene	7.9J	ug/kg	11.9	07/11/19 19:43	
EPA 8270 by SIM	Benzo(k)fluoranthene	3.3J	ug/kg	10.6	07/11/19 19:43	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: FREI OIL  
Pace Project No.: 40190849

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40190849010</b>	<b>EXC2 #1, SHALLOW</b>					
EPA 8270 by SIM	Fluorene	6.4J	ug/kg	17.4	07/11/19 19:43	
EPA 8270 by SIM	1-Methylnaphthalene	20.4	ug/kg	16.9	07/11/19 19:43	
EPA 8270 by SIM	2-Methylnaphthalene	34.6	ug/kg	21.1	07/11/19 19:43	
EPA 8270 by SIM	Naphthalene	20.1J	ug/kg	35.5	07/11/19 19:43	
EPA 8270 by SIM	Phenanthrene	30.7J	ug/kg	49.0	07/11/19 19:43	
EPA 8270 by SIM	Pyrene	9.8J	ug/kg	18.9	07/11/19 19:43	
ASTM D2974-87	Percent Moisture	20.8	%	0.10	07/10/19 11:41	
<b>40190849011</b>	<b>EXC2 #8, SHALLOW</b>					
EPA 8270 by SIM	Acenaphthylene	15.7	ug/kg	13.9	07/11/19 20:00	
EPA 8270 by SIM	Anthracene	15.7J	ug/kg	24.0	07/11/19 20:00	
EPA 8270 by SIM	Benzo(a)anthracene	29.1	ug/kg	13.4	07/11/19 20:00	
EPA 8270 by SIM	Benzo(a)pyrene	35.0	ug/kg	10.6	07/11/19 20:00	
EPA 8270 by SIM	Benzo(b)fluoranthene	67.6	ug/kg	11.9	07/11/19 20:00	
EPA 8270 by SIM	Benzo(g,h,i)perylene	19.5	ug/kg	8.6	07/11/19 20:00	
EPA 8270 by SIM	Benzo(k)fluoranthene	21.5	ug/kg	10.6	07/11/19 20:00	
EPA 8270 by SIM	Chrysene	34.5	ug/kg	14.2	07/11/19 20:00	
EPA 8270 by SIM	Dibenz(a,h)anthracene	6.2J	ug/kg	9.4	07/11/19 20:00	
EPA 8270 by SIM	Fluoranthene	54.1	ug/kg	22.0	07/11/19 20:00	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	17.2	ug/kg	9.3	07/11/19 20:00	
EPA 8270 by SIM	Naphthalene	13.1J	ug/kg	35.5	07/11/19 20:00	
EPA 8270 by SIM	Phenanthrene	28.6J	ug/kg	49.1	07/11/19 20:00	
EPA 8270 by SIM	Pyrene	46.1	ug/kg	19.0	07/11/19 20:00	
ASTM D2974-87	Percent Moisture	21.0	%	0.10	07/10/19 11:41	
<b>40190849012</b>	<b>EXC2 #9, SHALLOW</b>					
EPA 8270 by SIM	Acenaphthylene	18.0	ug/kg	13.1	07/11/19 20:17	
EPA 8270 by SIM	Anthracene	18.3J	ug/kg	22.6	07/11/19 20:17	
EPA 8270 by SIM	Benzo(a)anthracene	37.7	ug/kg	12.6	07/11/19 20:17	
EPA 8270 by SIM	Benzo(a)pyrene	46.1	ug/kg	10	07/11/19 20:17	
EPA 8270 by SIM	Benzo(b)fluoranthene	76.9	ug/kg	11.2	07/11/19 20:17	
EPA 8270 by SIM	Benzo(g,h,i)perylene	23.8	ug/kg	8.1	07/11/19 20:17	
EPA 8270 by SIM	Benzo(k)fluoranthene	27.6	ug/kg	9.9	07/11/19 20:17	
EPA 8270 by SIM	Chrysene	42.4	ug/kg	13.3	07/11/19 20:17	
EPA 8270 by SIM	Dibenz(a,h)anthracene	6.9J	ug/kg	8.9	07/11/19 20:17	
EPA 8270 by SIM	Fluoranthene	67.1	ug/kg	20.7	07/11/19 20:17	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	20.6	ug/kg	8.7	07/11/19 20:17	
EPA 8270 by SIM	1-Methylnaphthalene	19.8	ug/kg	15.9	07/11/19 20:17	
EPA 8270 by SIM	2-Methylnaphthalene	53.7	ug/kg	19.9	07/11/19 20:17	
EPA 8270 by SIM	Naphthalene	44.6	ug/kg	33.4	07/11/19 20:17	
EPA 8270 by SIM	Phenanthrene	35.0J	ug/kg	46.2	07/11/19 20:17	
EPA 8270 by SIM	Pyrene	61.1	ug/kg	17.8	07/11/19 20:17	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	07/22/19 14:34	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

**Sample: EXCAVATION2, #1**      **Lab ID: 40190849001**      Collected: 07/01/19 16:15      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:36	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:36	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:36	1634-04-4	W
Naphthalene	61.7J	ug/kg	327	52.4	1	07/10/19 08:45	07/10/19 14:36	91-20-3	
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:36	108-88-3	W
1,2,4-Trimethylbenzene	369	ug/kg	78.6	32.7	1	07/10/19 08:45	07/10/19 14:36	95-63-6	
1,3,5-Trimethylbenzene	82.8	ug/kg	78.6	32.7	1	07/10/19 08:45	07/10/19 14:36	108-67-8	
m&p-Xylene	111J	ug/kg	157	65.5	1	07/10/19 08:45	07/10/19 14:36	179601-23-1	
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:36	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	57-146		1	07/10/19 08:45	07/10/19 14:36	1868-53-7	
4-Bromofluorobenzene (S)	90	%	54-126		1	07/10/19 08:45	07/10/19 14:36	460-00-4	
Toluene-d8 (S)	104	%	64-134		1	07/10/19 08:45	07/10/19 14:36	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	23.6	%	0.10	0.10	1		07/10/19 11:40		

**Sample: EXCAVATION2, #2**      **Lab ID: 40190849002**      Collected: 07/02/19 08:00      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 14:59	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	108-88-3	W
1,2,4-Trimethylbenzene	104	ug/kg	74.4	31.0	1	07/10/19 08:45	07/10/19 14:59	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 14:59	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 14:59	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	118	%	57-146		1	07/10/19 08:45	07/10/19 14:59	1868-53-7	
4-Bromofluorobenzene (S)	95	%	54-126		1	07/10/19 08:45	07/10/19 14:59	460-00-4	
Toluene-d8 (S)	111	%	64-134		1	07/10/19 08:45	07/10/19 14:59	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	19.3	%	0.10	0.10	1		07/10/19 11:41		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

**Sample: EXCAVATION2, #3**      **Lab ID: 40190849003**      Collected: 07/02/19 12:15      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 15:22	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 15:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:22	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	57-146		1	07/10/19 08:45	07/10/19 15:22	1868-53-7	
4-Bromofluorobenzene (S)	92	%	54-126		1	07/10/19 08:45	07/10/19 15:22	460-00-4	
Toluene-d8 (S)	108	%	64-134		1	07/10/19 08:45	07/10/19 15:22	2037-26-5	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.7	%	0.10	0.10	1		07/10/19 11:41		

**Sample: EXCAVATION2, #4**      **Lab ID: 40190849004**      Collected: 07/02/19 16:30      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	124	ug/kg	77.2	32.2	1	07/10/19 08:45	07/10/19 11:12	71-43-2	
Ethylbenzene	883	ug/kg	77.2	32.2	1	07/10/19 08:45	07/10/19 11:12	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 11:12	1634-04-4	W
Naphthalene	1970	ug/kg	322	51.5	1	07/10/19 08:45	07/10/19 11:12	91-20-3	
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 11:12	108-88-3	W
1,2,4-Trimethylbenzene	5330	ug/kg	77.2	32.2	1	07/10/19 08:45	07/10/19 11:12	95-63-6	
1,3,5-Trimethylbenzene	1360	ug/kg	77.2	32.2	1	07/10/19 08:45	07/10/19 11:12	108-67-8	
m&p-Xylene	1510	ug/kg	154	64.3	1	07/10/19 08:45	07/10/19 11:12	179601-23-1	
o-Xylene	78.1	ug/kg	77.2	32.2	1	07/10/19 08:45	07/10/19 11:12	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	57-146		1	07/10/19 08:45	07/10/19 11:12	1868-53-7	
4-Bromofluorobenzene (S)	95	%	54-126		1	07/10/19 08:45	07/10/19 11:12	460-00-4	
Toluene-d8 (S)	110	%	64-134		1	07/10/19 08:45	07/10/19 11:12	2037-26-5	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	22.3	%	0.10	0.10	1		07/10/19 11:41		

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### ANALYTICAL RESULTS

Project: FREI OIL

Pace Project No.: 40190849

**Sample: EXCAVATION2, #5**      **Lab ID: 40190849005**      Collected: 07/02/19 17:00      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	121	ug/kg	75.1	31.3	1	07/10/19 08:45	07/10/19 18:00	71-43-2	
Ethylbenzene	513	ug/kg	75.1	31.3	1	07/10/19 08:45	07/10/19 18:00	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 18:00	1634-04-4	W
Naphthalene	1230	ug/kg	313	50.1	1	07/10/19 08:45	07/10/19 18:00	91-20-3	
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 18:00	108-88-3	W
1,2,4-Trimethylbenzene	2430	ug/kg	75.1	31.3	1	07/10/19 08:45	07/10/19 18:00	95-63-6	
1,3,5-Trimethylbenzene	627	ug/kg	75.1	31.3	1	07/10/19 08:45	07/10/19 18:00	108-67-8	
m&p-Xylene	840	ug/kg	150	62.6	1	07/10/19 08:45	07/10/19 18:00	179601-23-1	
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 18:00	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	57-146		1	07/10/19 08:45	07/10/19 18:00	1868-53-7	
4-Bromofluorobenzene (S)	91	%	54-126		1	07/10/19 08:45	07/10/19 18:00	460-00-4	
Toluene-d8 (S)	109	%	64-134		1	07/10/19 08:45	07/10/19 18:00	2037-26-5	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	20.1	%	0.10	0.10	1		07/10/19 11:41		

**Sample: EXCAVATION2, #6**      **Lab ID: 40190849006**      Collected: 07/03/19 06:30      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 15:44	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 15:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 15:44	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	57-146		1	07/10/19 08:45	07/10/19 15:44	1868-53-7	
4-Bromofluorobenzene (S)	93	%	54-126		1	07/10/19 08:45	07/10/19 15:44	460-00-4	
Toluene-d8 (S)	113	%	64-134		1	07/10/19 08:45	07/10/19 15:44	2037-26-5	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	22.2	%	0.10	0.10	1		07/10/19 11:41		

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

**Sample: EXCAVATION2, #7**      **Lab ID: 40190849007**      Collected: 07/03/19 13:30      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 16:07	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	108-88-3	W
1,2,4-Trimethylbenzene	56.7J	ug/kg	76.7	32.0	1	07/10/19 08:45	07/10/19 16:07	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 16:07	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:07	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	57-146		1	07/10/19 08:45	07/10/19 16:07	1868-53-7	
4-Bromofluorobenzene (S)	87	%	54-126		1	07/10/19 08:45	07/10/19 16:07	460-00-4	
Toluene-d8 (S)	105	%	64-134		1	07/10/19 08:45	07/10/19 16:07	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	21.8	%	0.10	0.10	1		07/10/19 11:41		

**Sample: EXCAVATION2, #8**      **Lab ID: 40190849008**      Collected: 07/08/19 08:00      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 16:30	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 16:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:30	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	117	%	57-146		1	07/10/19 08:45	07/10/19 16:30	1868-53-7	
4-Bromofluorobenzene (S)	91	%	54-126		1	07/10/19 08:45	07/10/19 16:30	460-00-4	
Toluene-d8 (S)	112	%	64-134		1	07/10/19 08:45	07/10/19 16:30	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	24.1	%	0.10	0.10	1		07/10/19 11:41		

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

**Sample: EXCAVATION2, #9**      **Lab ID: 40190849009**      Collected: 07/08/19 08:15      Received: 07/09/19 09:42      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
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	07/10/19 08:45	07/10/19 16:52	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/10/19 08:45	07/10/19 16:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/10/19 08:45	07/10/19 16:52	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	57-146		1	07/10/19 08:45	07/10/19 16:52	1868-53-7	
4-Bromofluorobenzene (S)	93	%	54-126		1	07/10/19 08:45	07/10/19 16:52	460-00-4	
Toluene-d8 (S)	112	%	64-134		1	07/10/19 08:45	07/10/19 16:52	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	8.6	%	0.10	0.10	1		07/10/19 11:41		

**Sample: EXC2 #1, SHALLOW**      **Lab ID: 40190849010**      Collected: 07/01/19 16:20      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	5.1J	ug/kg	16.3	4.9	1	07/11/19 08:37	07/11/19 19:43	83-32-9	
Acenaphthylene	<4.2	ug/kg	13.9	4.2	1	07/11/19 08:37	07/11/19 19:43	208-96-8	
Anthracene	<7.2	ug/kg	24.0	7.2	1	07/11/19 08:37	07/11/19 19:43	120-12-7	
Benzo(a)anthracene	7.7J	ug/kg	13.4	4.0	1	07/11/19 08:37	07/11/19 19:43	56-55-3	
Benzo(a)pyrene	5.3J	ug/kg	10.6	3.2	1	07/11/19 08:37	07/11/19 19:43	50-32-8	
Benzo(b)fluoranthene	7.9J	ug/kg	11.9	3.6	1	07/11/19 08:37	07/11/19 19:43	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.6	2.6	1	07/11/19 08:37	07/11/19 19:43	191-24-2	
Benzo(k)fluoranthene	3.3J	ug/kg	10.6	3.2	1	07/11/19 08:37	07/11/19 19:43	207-08-9	
Chrysene	<4.3	ug/kg	14.1	4.3	1	07/11/19 08:37	07/11/19 19:43	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.4	2.8	1	07/11/19 08:37	07/11/19 19:43	53-70-3	
Fluoranthene	<6.6	ug/kg	22.0	6.6	1	07/11/19 08:37	07/11/19 19:43	206-44-0	
Fluorene	6.4J	ug/kg	17.4	5.2	1	07/11/19 08:37	07/11/19 19:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.3	2.8	1	07/11/19 08:37	07/11/19 19:43	193-39-5	
1-Methylnaphthalene	20.4	ug/kg	16.9	5.1	1	07/11/19 08:37	07/11/19 19:43	90-12-0	
2-Methylnaphthalene	34.6	ug/kg	21.1	6.3	1	07/11/19 08:37	07/11/19 19:43	91-57-6	
Naphthalene	20.1J	ug/kg	35.5	10.6	1	07/11/19 08:37	07/11/19 19:43	91-20-3	
Phenanthrene	30.7J	ug/kg	49.0	14.7	1	07/11/19 08:37	07/11/19 19:43	85-01-8	
Pyrene	9.8J	ug/kg	18.9	5.7	1	07/11/19 08:37	07/11/19 19:43	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	62	%	28-99		1	07/11/19 08:37	07/11/19 19:43	321-60-8	
Terphenyl-d14 (S)	69	%	10-107		1	07/11/19 08:37	07/11/19 19:43	1718-51-0	

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

Sample: **EXC2 #1, SHALLOW** Lab ID: **40190849010** Collected: 07/01/19 16:20 Received: 07/09/19 09:42 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
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	<b>20.8</b>	%	0.10	0.10	1		07/10/19 11:41		

Sample: **EXC2 #8, SHALLOW** Lab ID: **40190849011** Collected: 07/01/19 07:15 Received: 07/09/19 09:42 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
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.9</b>	ug/kg	16.3	4.9	1	07/11/19 08:37	07/11/19 20:00	83-32-9	
Acenaphthylene	<b>15.7</b>	ug/kg	13.9	4.2	1	07/11/19 08:37	07/11/19 20:00	208-96-8	
Anthracene	<b>15.7J</b>	ug/kg	24.0	7.2	1	07/11/19 08:37	07/11/19 20:00	120-12-7	
Benzo(a)anthracene	<b>29.1</b>	ug/kg	13.4	4.0	1	07/11/19 08:37	07/11/19 20:00	56-55-3	
Benzo(a)pyrene	<b>35.0</b>	ug/kg	10.6	3.2	1	07/11/19 08:37	07/11/19 20:00	50-32-8	
Benzo(b)fluoranthene	<b>67.6</b>	ug/kg	11.9	3.6	1	07/11/19 08:37	07/11/19 20:00	205-99-2	
Benzo(g,h,i)perylene	<b>19.5</b>	ug/kg	8.6	2.6	1	07/11/19 08:37	07/11/19 20:00	191-24-2	
Benzo(k)fluoranthene	<b>21.5</b>	ug/kg	10.6	3.2	1	07/11/19 08:37	07/11/19 20:00	207-08-9	
Chrysene	<b>34.5</b>	ug/kg	14.2	4.3	1	07/11/19 08:37	07/11/19 20:00	218-01-9	
Dibenz(a,h)anthracene	<b>6.2J</b>	ug/kg	9.4	2.8	1	07/11/19 08:37	07/11/19 20:00	53-70-3	
Fluoranthene	<b>54.1</b>	ug/kg	22.0	6.6	1	07/11/19 08:37	07/11/19 20:00	206-44-0	
Fluorene	<b>&lt;5.2</b>	ug/kg	17.5	5.2	1	07/11/19 08:37	07/11/19 20:00	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>17.2</b>	ug/kg	9.3	2.8	1	07/11/19 08:37	07/11/19 20:00	193-39-5	
1-Methylnaphthalene	<b>&lt;5.1</b>	ug/kg	16.9	5.1	1	07/11/19 08:37	07/11/19 20:00	90-12-0	
2-Methylnaphthalene	<b>&lt;6.3</b>	ug/kg	21.1	6.3	1	07/11/19 08:37	07/11/19 20:00	91-57-6	
Naphthalene	<b>13.1J</b>	ug/kg	35.5	10.6	1	07/11/19 08:37	07/11/19 20:00	91-20-3	
Phenanthrene	<b>28.6J</b>	ug/kg	49.1	14.7	1	07/11/19 08:37	07/11/19 20:00	85-01-8	
Pyrene	<b>46.1</b>	ug/kg	19.0	5.7	1	07/11/19 08:37	07/11/19 20:00	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	28-99		1	07/11/19 08:37	07/11/19 20:00	321-60-8	
Terphenyl-d14 (S)	63	%	10-107		1	07/11/19 08:37	07/11/19 20:00	1718-51-0	

<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	<b>21.0</b>	%	0.10	0.10	1		07/10/19 11:41		

Sample: **EXC2 #9, SHALLOW** Lab ID: **40190849012** Collected: 07/01/19 08:15 Received: 07/09/19 09:42 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
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<b>&lt;4.6</b>	ug/kg	15.3	4.6	1	07/11/19 08:37	07/11/19 20:17	83-32-9	
Acenaphthylene	<b>18.0</b>	ug/kg	13.1	3.9	1	07/11/19 08:37	07/11/19 20:17	208-96-8	
Anthracene	<b>18.3J</b>	ug/kg	22.6	6.8	1	07/11/19 08:37	07/11/19 20:17	120-12-7	

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190849

**Sample: EXC2 #9, SHALLOW**      **Lab ID: 40190849012**      Collected: 07/01/19 08:15      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Benzo(a)anthracene	37.7	ug/kg	12.6	3.8	1	07/11/19 08:37	07/11/19 20:17	56-55-3	
Benzo(a)pyrene	46.1	ug/kg	10	3.0	1	07/11/19 08:37	07/11/19 20:17	50-32-8	
Benzo(b)fluoranthene	76.9	ug/kg	11.2	3.4	1	07/11/19 08:37	07/11/19 20:17	205-99-2	
Benzo(g,h,i)perylene	23.8	ug/kg	8.1	2.4	1	07/11/19 08:37	07/11/19 20:17	191-24-2	
Benzo(k)fluoranthene	27.6	ug/kg	9.9	3.0	1	07/11/19 08:37	07/11/19 20:17	207-08-9	
Chrysene	42.4	ug/kg	13.3	4.0	1	07/11/19 08:37	07/11/19 20:17	218-01-9	
Dibenz(a,h)anthracene	6.9J	ug/kg	8.9	2.7	1	07/11/19 08:37	07/11/19 20:17	53-70-3	
Fluoranthene	67.1	ug/kg	20.7	6.2	1	07/11/19 08:37	07/11/19 20:17	206-44-0	
Fluorene	<4.9	ug/kg	16.4	4.9	1	07/11/19 08:37	07/11/19 20:17	86-73-7	
Indeno(1,2,3-cd)pyrene	20.6	ug/kg	8.7	2.6	1	07/11/19 08:37	07/11/19 20:17	193-39-5	
1-Methylnaphthalene	19.8	ug/kg	15.9	4.8	1	07/11/19 08:37	07/11/19 20:17	90-12-0	
2-Methylnaphthalene	53.7	ug/kg	19.9	6.0	1	07/11/19 08:37	07/11/19 20:17	91-57-6	
Naphthalene	44.6	ug/kg	33.4	10.0	1	07/11/19 08:37	07/11/19 20:17	91-20-3	
Phenanthrene	35.0J	ug/kg	46.2	13.9	1	07/11/19 08:37	07/11/19 20:17	85-01-8	
Pyrene	61.1	ug/kg	17.8	5.4	1	07/11/19 08:37	07/11/19 20:17	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	59	%	28-99		1	07/11/19 08:37	07/11/19 20:17	321-60-8	
Terphenyl-d14 (S)	62	%	10-107		1	07/11/19 08:37	07/11/19 20:17	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.0	%	0.10	0.10	1		07/22/19 14:34		

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190849

QC Batch: 327072 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List  
Associated Lab Samples: 40190849001, 40190849002, 40190849003, 40190849004, 40190849005, 40190849006, 40190849007, 40190849008, 40190849009

METHOD BLANK: 1898985 Matrix: Solid  
Associated Lab Samples: 40190849001, 40190849002, 40190849003, 40190849004, 40190849005, 40190849006, 40190849007, 40190849008, 40190849009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/10/19 09:09	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/10/19 09:09	
Benzene	ug/kg	<9.2	20.0	07/10/19 09:09	
Ethylbenzene	ug/kg	<12.4	50.0	07/10/19 09:09	
m&p-Xylene	ug/kg	<34.4	100	07/10/19 09:09	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/10/19 09:09	
Naphthalene	ug/kg	<40.0	250	07/10/19 09:09	
o-Xylene	ug/kg	<14.0	50.0	07/10/19 09:09	
Toluene	ug/kg	<11.2	50.0	07/10/19 09:09	
4-Bromofluorobenzene (S)	%	81	54-126	07/10/19 09:09	
Dibromofluoromethane (S)	%	111	57-146	07/10/19 09:09	
Toluene-d8 (S)	%	102	64-134	07/10/19 09:09	

LABORATORY CONTROL SAMPLE: 1898986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2520	101	70-130	
Ethylbenzene	ug/kg	2500	2360	95	82-122	
m&p-Xylene	ug/kg	5000	4790	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2300	92	70-130	
o-Xylene	ug/kg	2500	2320	93	70-130	
Toluene	ug/kg	2500	2570	103	80-121	
4-Bromofluorobenzene (S)	%			90	54-126	
Dibromofluoromethane (S)	%			106	57-146	
Toluene-d8 (S)	%			102	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1898987 1898988

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40190849004 Result	Spike Conc.	Spike Conc.	Result							Result
Benzene	ug/kg	124	1610	1610	1760	1690	102	97	70-130	4	20	
Ethylbenzene	ug/kg	883	1610	1610	2360	2370	92	93	80-122	0	20	
m&p-Xylene	ug/kg	1510	3220	3220	4360	4350	89	88	70-130	0	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1610	1610	1340	1330	83	83	70-130	1	20	
o-Xylene	ug/kg	78.1	1610	1610	1450	1540	85	91	70-130	6	20	
Toluene	ug/kg	<25.0	1610	1610	1520	1570	94	96	80-121	3	20	
4-Bromofluorobenzene (S)	%						92	97	54-126			

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: FREI OIL

Pace Project No.: 40190849

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1898987												1898988	
Parameter	Units	40190849004 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Dibromofluoromethane (S)	%							118	113	57-146			
Toluene-d8 (S)	%							111	107	64-134			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190849

QC Batch: 327188 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40190849010, 40190849011, 40190849012

METHOD BLANK: 1899566 Matrix: Solid  
Associated Lab Samples: 40190849010, 40190849011, 40190849012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	07/11/19 11:24	
2-Methylnaphthalene	ug/kg	<5.0	16.7	07/11/19 11:24	
Acenaphthene	ug/kg	<3.9	12.9	07/11/19 11:24	
Acenaphthylene	ug/kg	<3.3	11.0	07/11/19 11:24	
Anthracene	ug/kg	<5.7	19.0	07/11/19 11:24	
Benzo(a)anthracene	ug/kg	<3.2	10.6	07/11/19 11:24	
Benzo(a)pyrene	ug/kg	<2.5	8.4	07/11/19 11:24	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	07/11/19 11:24	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	07/11/19 11:24	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	07/11/19 11:24	
Chrysene	ug/kg	<3.4	11.2	07/11/19 11:24	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.5	07/11/19 11:24	
Fluoranthene	ug/kg	<5.2	17.4	07/11/19 11:24	
Fluorene	ug/kg	<4.1	13.8	07/11/19 11:24	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	07/11/19 11:24	
Naphthalene	ug/kg	<8.4	28.1	07/11/19 11:24	
Phenanthrene	ug/kg	<11.7	38.8	07/11/19 11:24	
Pyrene	ug/kg	<4.5	15.0	07/11/19 11:24	
2-Fluorobiphenyl (S)	%	79	28-99	07/11/19 11:24	
Terphenyl-d14 (S)	%	89	10-107	07/11/19 11:24	

LABORATORY CONTROL SAMPLE: 1899567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	251	75	47-104	
2-Methylnaphthalene	ug/kg	334	251	75	50-100	
Acenaphthene	ug/kg	334	264	79	56-113	
Acenaphthylene	ug/kg	334	269	80	55-113	
Anthracene	ug/kg	334	302	91	59-103	
Benzo(a)anthracene	ug/kg	334	270	81	55-102	
Benzo(a)pyrene	ug/kg	334	280	84	59-114	
Benzo(b)fluoranthene	ug/kg	334	302	90	53-124	
Benzo(g,h,i)perylene	ug/kg	334	285	85	48-114	
Benzo(k)fluoranthene	ug/kg	334	310	93	61-118	
Chrysene	ug/kg	334	299	90	62-108	
Dibenz(a,h)anthracene	ug/kg	334	261	78	51-114	
Fluoranthene	ug/kg	334	303	91	59-113	
Fluorene	ug/kg	334	280	84	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	334	277	83	52-115	
Naphthalene	ug/kg	334	240	72	54-95	

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190849

LABORATORY CONTROL SAMPLE: 1899567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	334	286	86	58-101	
Pyrene	ug/kg	334	294	88	56-105	
2-Fluorobiphenyl (S)	%			72	28-99	
Terphenyl-d14 (S)	%			79	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1899568 1899569

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40190911001 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	<4.3	357	357	357	261	266	73	74	39-104	2	29	
2-Methylnaphthalene	ug/kg	<5.4	357	357	357	260	268	73	75	40-100	3	32	
Acenaphthene	ug/kg	<4.2	357	357	357	281	280	79	78	50-113	0	21	
Acenaphthylene	ug/kg	<3.5	357	357	357	285	286	80	80	42-114	0	27	
Anthracene	ug/kg	<6.1	357	357	357	287	284	80	79	33-105	1	21	
Benzo(a)anthracene	ug/kg	<3.4	357	357	357	278	264	78	74	43-102	5	21	
Benzo(a)pyrene	ug/kg	<2.7	357	357	357	303	287	85	80	34-117	6	22	
Benzo(b)fluoranthene	ug/kg	<3.0	357	357	357	318	309	89	86	35-124	3	35	
Benzo(g,h,i)perylene	ug/kg	<2.2	357	357	357	177	172	50	48	10-120	3	30	
Benzo(k)fluoranthene	ug/kg	<2.7	357	357	357	336	309	94	86	31-128	9	27	
Chrysene	ug/kg	<3.6	357	357	357	294	285	82	80	39-108	3	20	
Dibenz(a,h)anthracene	ug/kg	<2.4	357	357	357	204	196	57	55	19-114	4	28	
Fluoranthene	ug/kg	<5.6	357	357	357	305	291	85	82	45-113	5	22	
Fluorene	ug/kg	<4.4	357	357	357	294	289	82	81	48-117	2	21	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.4	357	357	357	203	194	57	54	10-123	5	28	
Naphthalene	ug/kg	<9.0	357	357	357	271	274	76	77	32-101	1	27	
Phenanthrene	ug/kg	<12.5	357	357	357	293	283	82	79	40-101	3	20	
Pyrene	ug/kg	<4.8	357	357	357	302	290	84	81	35-105	4	26	
2-Fluorobiphenyl (S)	%							70	70	28-99			
Terphenyl-d14 (S)	%							72	70	10-107			

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### QUALITY CONTROL DATA

Project: FREI OIL

Pace Project No.: 40190849

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QC Batch:	327084	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40190849001, 40190849002, 40190849003, 40190849004, 40190849005, 40190849006, 40190849007, 40190849008, 40190849009, 40190849010, 40190849011		

---

SAMPLE DUPLICATE: 1899014

Parameter	Units	40190848005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.1	19.5	2	10	

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### QUALITY CONTROL DATA

Project: FREI OIL

Pace Project No.: 40190849

QC Batch: 328140

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40190849012

SAMPLE DUPLICATE: 1905512

Parameter	Units	40191534008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.8	14.6	1	10	

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### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: FREI OIL  
Pace Project No.: 40190849

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### 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

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: FREI OIL  
Pace Project No.: 40190849

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40190849010	EXC2 #1, SHALLOW	EPA 3546	327188	EPA 8270 by SIM	327233
40190849011	EXC2 #8, SHALLOW	EPA 3546	327188	EPA 8270 by SIM	327233
40190849012	EXC2 #9, SHALLOW	EPA 3546	327188	EPA 8270 by SIM	327233
40190849001	EXCAVATION2, #1	EPA 5035/5030B	327072	EPA 8260	327074
40190849002	EXCAVATION2, #2	EPA 5035/5030B	327072	EPA 8260	327074
40190849003	EXCAVATION2, #3	EPA 5035/5030B	327072	EPA 8260	327074
40190849004	EXCAVATION2, #4	EPA 5035/5030B	327072	EPA 8260	327074
40190849005	EXCAVATION2, #5	EPA 5035/5030B	327072	EPA 8260	327074
40190849006	EXCAVATION2, #6	EPA 5035/5030B	327072	EPA 8260	327074
40190849007	EXCAVATION2, #7	EPA 5035/5030B	327072	EPA 8260	327074
40190849008	EXCAVATION2, #8	EPA 5035/5030B	327072	EPA 8260	327074
40190849009	EXCAVATION2, #9	EPA 5035/5030B	327072	EPA 8260	327074
40190849001	EXCAVATION2, #1	ASTM D2974-87	327084		
40190849002	EXCAVATION2, #2	ASTM D2974-87	327084		
40190849003	EXCAVATION2, #3	ASTM D2974-87	327084		
40190849004	EXCAVATION2, #4	ASTM D2974-87	327084		
40190849005	EXCAVATION2, #5	ASTM D2974-87	327084		
40190849006	EXCAVATION2, #6	ASTM D2974-87	327084		
40190849007	EXCAVATION2, #7	ASTM D2974-87	327084		
40190849008	EXCAVATION2, #8	ASTM D2974-87	327084		
40190849009	EXCAVATION2, #9	ASTM D2974-87	327084		
40190849010	EXC2 #1, SHALLOW	ASTM D2974-87	327084		
40190849011	EXC2 #8, SHALLOW	ASTM D2974-87	327084		
40190849012	EXC2 #9, SHALLOW	ASTM D2974-87	328140		

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 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: Seymour Env. Project #: 
 WO#: 40190849  
  
 40190849

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_

Tracking #: 509 070819

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 shredded paper  
 Thermometer Used SR - N/A Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
 Cooler Temperature Uncorr: R01 / Corr: \_\_\_\_\_  
 Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

Person examining contents:  
 Date: 7/9/19  
 Initials: DS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>JCC</u>	<u>7/9/19 PG</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No pg #</u>	<u>7/9/19 PG</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>1/2 year</u>	<u>7/9/19 PG</u>
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:		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.	
-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		
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. <u>007 cap cracked, 008 container cracked replaced by lab.</u>	<u>7/9/19 PG</u>
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>001-002 info written in pen on cap w/FFU</u>	<u>7/9/19 PG</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>001 not true, 009 placed by process of elimination.</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

**Client Notification/ Resolution:** If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: 006 ID Excl 2 #6, 007 #7, 008 Excl 2 #8, 009 #9  
7/9/19 PG

Project Manager Review: Ron R for [Signature] Date: 07/09/19  
Page 2 of 2  
Page 24 of 24

July 17, 2019

Robyn Seymour  
Seymour Environmental Services, INC.  
2531 Dyreson Road  
Mc Farland, WI 53558

RE: Project: FREI OIL  
Pace Project No.: 40190848

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on July 09, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: FREI OIL  
Pace Project No.: 40190848

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### Green Bay Certification IDs

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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: FREI OIL  
Pace Project No.: 40190848

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40190848001	#1 (NORTH)	Solid	07/02/19 11:00	07/09/19 09:42
40190848002	#2 (WEST)	Solid	07/02/19 11:10	07/09/19 09:42
40190848003	#3 (SOUTH)	Solid	07/02/19 11:20	07/09/19 09:42
40190848004	#4 (EAST)	Solid	07/02/19 11:30	07/09/19 09:42
40190848005	#5 (BASE 4 1/2)	Solid	07/02/19 12:00	07/09/19 09:42

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### SAMPLE ANALYTE COUNT

Project: FREI OIL  
Pace Project No.: 40190848

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40190848001	#1 (NORTH)	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190848002	#2 (WEST)	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190848003	#3 (SOUTH)	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190848004	#4 (EAST)	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40190848005	#5 (BASE 4 1/2)	EPA 8270 by SIM	ARO	20
		EPA 8260	ALD	11
		ASTM D2974-87	SKW	1

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: FREI OIL  
Pace Project No.: 40190848

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40190848001</b>	<b>#1 (NORTH)</b>					
EPA 8270 by SIM	Acenaphthene	23.5	ug/kg	16.2	07/16/19 12:24	
EPA 8270 by SIM	Acenaphthylene	55.7	ug/kg	13.8	07/16/19 12:24	
EPA 8270 by SIM	Anthracene	81.9	ug/kg	23.9	07/16/19 12:24	
EPA 8270 by SIM	Benzo(a)anthracene	336	ug/kg	13.3	07/16/19 12:24	
EPA 8270 by SIM	Benzo(a)pyrene	388	ug/kg	10.5	07/16/19 12:24	
EPA 8270 by SIM	Benzo(b)fluoranthene	453	ug/kg	11.8	07/16/19 12:24	
EPA 8270 by SIM	Benzo(g,h,i)perylene	470	ug/kg	8.5	07/16/19 12:24	
EPA 8270 by SIM	Benzo(k)fluoranthene	76.2	ug/kg	10.5	07/16/19 12:24	
EPA 8270 by SIM	Chrysene	550	ug/kg	14.1	07/16/19 12:24	
EPA 8270 by SIM	Dibenz(a,h)anthracene	193	ug/kg	9.4	07/16/19 12:24	
EPA 8270 by SIM	Fluoranthene	268	ug/kg	21.9	07/16/19 12:24	
EPA 8270 by SIM	Fluorene	42.9	ug/kg	17.4	07/16/19 12:24	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	219	ug/kg	9.2	07/16/19 12:24	
EPA 8270 by SIM	1-Methylnaphthalene	559	ug/kg	16.9	07/16/19 12:24	
EPA 8270 by SIM	2-Methylnaphthalene	786	ug/kg	21.0	07/16/19 12:24	
EPA 8270 by SIM	Naphthalene	544	ug/kg	35.3	07/16/19 12:24	
EPA 8270 by SIM	Phenanthrene	764	ug/kg	48.8	07/16/19 12:24	
EPA 8270 by SIM	Pyrene	366	ug/kg	18.9	07/16/19 12:24	
ASTM D2974-87	Percent Moisture	20.6	%	0.10	07/10/19 11:17	
<b>40190848002</b>	<b>#2 (WEST)</b>					
ASTM D2974-87	Percent Moisture	21.3	%	0.10	07/10/19 11:17	
<b>40190848003</b>	<b>#3 (SOUTH)</b>					
EPA 8270 by SIM	Acenaphthylene	4.1J	ug/kg	13.4	07/12/19 17:23	
EPA 8270 by SIM	Benzo(a)anthracene	11.3J	ug/kg	13.0	07/12/19 17:23	
EPA 8270 by SIM	Benzo(a)pyrene	10.7	ug/kg	10.2	07/12/19 17:23	
EPA 8270 by SIM	Benzo(b)fluoranthene	17.5	ug/kg	11.5	07/12/19 17:23	
EPA 8270 by SIM	Benzo(g,h,i)perylene	11.8	ug/kg	8.3	07/12/19 17:23	
EPA 8270 by SIM	Benzo(k)fluoranthene	6.1J	ug/kg	10.2	07/12/19 17:23	
EPA 8270 by SIM	Chrysene	14.1	ug/kg	13.7	07/12/19 17:23	
EPA 8270 by SIM	Dibenz(a,h)anthracene	2.8J	ug/kg	9.1	07/12/19 17:23	
EPA 8270 by SIM	Fluoranthene	17.9J	ug/kg	21.3	07/12/19 17:23	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	7.6J	ug/kg	9.0	07/12/19 17:23	
EPA 8270 by SIM	1-Methylnaphthalene	9.7J	ug/kg	16.4	07/12/19 17:23	
EPA 8270 by SIM	2-Methylnaphthalene	12.9J	ug/kg	20.4	07/12/19 17:23	
EPA 8270 by SIM	Naphthalene	22.6J	ug/kg	34.3	07/12/19 17:23	
EPA 8270 by SIM	Phenanthrene	21.9J	ug/kg	47.4	07/12/19 17:23	
EPA 8270 by SIM	Pyrene	15.3J	ug/kg	18.3	07/12/19 17:23	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	07/10/19 11:17	
<b>40190848004</b>	<b>#4 (EAST)</b>					
EPA 8270 by SIM	Acenaphthene	11.2J	ug/kg	15.3	07/12/19 17:40	
EPA 8270 by SIM	Fluorene	9.6J	ug/kg	16.4	07/12/19 17:40	
EPA 8270 by SIM	1-Methylnaphthalene	199	ug/kg	15.9	07/12/19 17:40	
EPA 8270 by SIM	2-Methylnaphthalene	302	ug/kg	19.9	07/12/19 17:40	
EPA 8270 by SIM	Naphthalene	128	ug/kg	33.4	07/12/19 17:40	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	07/10/19 11:17	

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### SUMMARY OF DETECTION

Project: FREI OIL  
Pace Project No.: 40190848

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40190848005</b>	<b>#5 (BASE 4 1/2)</b>					
EPA 8270 by SIM	Acenaphthylene	4.8J	ug/kg	13.6	07/16/19 12:07	
EPA 8270 by SIM	Benzo(a)anthracene	11.4J	ug/kg	13.1	07/16/19 12:07	
EPA 8270 by SIM	Benzo(a)pyrene	12.5	ug/kg	10.3	07/16/19 12:07	
EPA 8270 by SIM	Benzo(b)fluoranthene	16.1	ug/kg	11.6	07/16/19 12:07	
EPA 8270 by SIM	Benzo(g,h,i)perylene	19.3	ug/kg	8.4	07/16/19 12:07	
EPA 8270 by SIM	Benzo(k)fluoranthene	5.9J	ug/kg	10.3	07/16/19 12:07	
EPA 8270 by SIM	Chrysene	17.2	ug/kg	13.8	07/16/19 12:07	
EPA 8270 by SIM	Dibenz(a,h)anthracene	4.6J	ug/kg	9.2	07/16/19 12:07	
EPA 8270 by SIM	Fluoranthene	13.8J	ug/kg	21.5	07/16/19 12:07	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	10.1	ug/kg	9.0	07/16/19 12:07	
EPA 8270 by SIM	1-Methylnaphthalene	13.5J	ug/kg	16.5	07/16/19 12:07	
EPA 8270 by SIM	2-Methylnaphthalene	22.9	ug/kg	20.6	07/16/19 12:07	
EPA 8270 by SIM	Naphthalene	41.1	ug/kg	34.7	07/16/19 12:07	
EPA 8270 by SIM	Phenanthrene	22.9J	ug/kg	47.9	07/16/19 12:07	
EPA 8270 by SIM	Pyrene	13.6J	ug/kg	18.5	07/16/19 12:07	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	07/10/19 11:40	

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## ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190848

**Sample: #1 (NORTH)**      **Lab ID: 40190848001**      Collected: 07/02/19 11:00      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	23.5	ug/kg	16.2	4.9	1	07/12/19 08:30	07/16/19 12:24	83-32-9	
Acenaphthylene	55.7	ug/kg	13.8	4.1	1	07/12/19 08:30	07/16/19 12:24	208-96-8	
Anthracene	81.9	ug/kg	23.9	7.2	1	07/12/19 08:30	07/16/19 12:24	120-12-7	
Benzo(a)anthracene	336	ug/kg	13.3	4.0	1	07/12/19 08:30	07/16/19 12:24	56-55-3	
Benzo(a)pyrene	388	ug/kg	10.5	3.2	1	07/12/19 08:30	07/16/19 12:24	50-32-8	
Benzo(b)fluoranthene	453	ug/kg	11.8	3.6	1	07/12/19 08:30	07/16/19 12:24	205-99-2	
Benzo(g,h,i)perylene	470	ug/kg	8.5	2.6	1	07/12/19 08:30	07/16/19 12:24	191-24-2	
Benzo(k)fluoranthene	76.2	ug/kg	10.5	3.2	1	07/12/19 08:30	07/16/19 12:24	207-08-9	
Chrysene	550	ug/kg	14.1	4.2	1	07/12/19 08:30	07/16/19 12:24	218-01-9	
Dibenz(a,h)anthracene	193	ug/kg	9.4	2.8	1	07/12/19 08:30	07/16/19 12:24	53-70-3	
Fluoranthene	268	ug/kg	21.9	6.5	1	07/12/19 08:30	07/16/19 12:24	206-44-0	
Fluorene	42.9	ug/kg	17.4	5.2	1	07/12/19 08:30	07/16/19 12:24	86-73-7	
Indeno(1,2,3-cd)pyrene	219	ug/kg	9.2	2.8	1	07/12/19 08:30	07/16/19 12:24	193-39-5	
1-Methylnaphthalene	559	ug/kg	16.9	5.1	1	07/12/19 08:30	07/16/19 12:24	90-12-0	
2-Methylnaphthalene	786	ug/kg	21.0	6.3	1	07/12/19 08:30	07/16/19 12:24	91-57-6	
Naphthalene	544	ug/kg	35.3	10.6	1	07/12/19 08:30	07/16/19 12:24	91-20-3	
Phenanthrene	764	ug/kg	48.8	14.6	1	07/12/19 08:30	07/16/19 12:24	85-01-8	
Pyrene	366	ug/kg	18.9	5.7	1	07/12/19 08:30	07/16/19 12:24	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	61	%	28-99		1	07/12/19 08:30	07/16/19 12:24	321-60-8	
Terphenyl-d14 (S)	55	%	10-107		1	07/12/19 08:30	07/16/19 12:24	1718-51-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	20.6	%	0.10	0.10	1		07/10/19 11:17		

**Sample: #2 (WEST)**      **Lab ID: 40190848002**      Collected: 07/02/19 11:10      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<4.9	ug/kg	16.4	4.9	1	07/12/19 08:30	07/12/19 17:06	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.0	4.2	1	07/12/19 08:30	07/12/19 17:06	208-96-8	
Anthracene	<7.3	ug/kg	24.1	7.3	1	07/12/19 08:30	07/12/19 17:06	120-12-7	
Benzo(a)anthracene	<4.0	ug/kg	13.5	4.0	1	07/12/19 08:30	07/12/19 17:06	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.6	3.2	1	07/12/19 08:30	07/12/19 17:06	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.0	3.6	1	07/12/19 08:30	07/12/19 17:06	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.6	2.6	1	07/12/19 08:30	07/12/19 17:06	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.6	3.2	1	07/12/19 08:30	07/12/19 17:06	207-08-9	
Chrysene	<4.3	ug/kg	14.2	4.3	1	07/12/19 08:30	07/12/19 17:06	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.5	2.8	1	07/12/19 08:30	07/12/19 17:06	53-70-3	
Fluoranthene	<6.6	ug/kg	22.1	6.6	1	07/12/19 08:30	07/12/19 17:06	206-44-0	
Fluorene	<5.3	ug/kg	17.5	5.3	1	07/12/19 08:30	07/12/19 17:06	86-73-7	

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## ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190848

**Sample: #2 (WEST)**      **Lab ID: 40190848002**      Collected: 07/02/19 11:10      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.3	2.8	1	07/12/19 08:30	07/12/19 17:06	193-39-5	
1-Methylnaphthalene	<5.1	ug/kg	17.0	5.1	1	07/12/19 08:30	07/12/19 17:06	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.2	6.4	1	07/12/19 08:30	07/12/19 17:06	91-57-6	
Naphthalene	<10.7	ug/kg	35.7	10.7	1	07/12/19 08:30	07/12/19 17:06	91-20-3	
Phenanthrene	<14.8	ug/kg	49.3	14.8	1	07/12/19 08:30	07/12/19 17:06	85-01-8	
Pyrene	<5.7	ug/kg	19.1	5.7	1	07/12/19 08:30	07/12/19 17:06	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	60	%	28-99		1	07/12/19 08:30	07/12/19 17:06	321-60-8	
Terphenyl-d14 (S)	59	%	10-107		1	07/12/19 08:30	07/12/19 17:06	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.3	%	0.10	0.10	1		07/10/19 11:17		

**Sample: #3 (SOUTH)**      **Lab ID: 40190848003**      Collected: 07/02/19 11:20      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.8	4.7	1	07/12/19 08:30	07/12/19 17:23	83-32-9	
Acenaphthylene	4.1J	ug/kg	13.4	4.0	1	07/12/19 08:30	07/12/19 17:23	208-96-8	
Anthracene	<7.0	ug/kg	23.2	7.0	1	07/12/19 08:30	07/12/19 17:23	120-12-7	
Benzo(a)anthracene	11.3J	ug/kg	13.0	3.9	1	07/12/19 08:30	07/12/19 17:23	56-55-3	
Benzo(a)pyrene	10.7	ug/kg	10.2	3.1	1	07/12/19 08:30	07/12/19 17:23	50-32-8	
Benzo(b)fluoranthene	17.5	ug/kg	11.5	3.5	1	07/12/19 08:30	07/12/19 17:23	205-99-2	
Benzo(g,h,i)perylene	11.8	ug/kg	8.3	2.5	1	07/12/19 08:30	07/12/19 17:23	191-24-2	
Benzo(k)fluoranthene	6.1J	ug/kg	10.2	3.1	1	07/12/19 08:30	07/12/19 17:23	207-08-9	
Chrysene	14.1	ug/kg	13.7	4.1	1	07/12/19 08:30	07/12/19 17:23	218-01-9	
Dibenz(a,h)anthracene	2.8J	ug/kg	9.1	2.7	1	07/12/19 08:30	07/12/19 17:23	53-70-3	
Fluoranthene	17.9J	ug/kg	21.3	6.4	1	07/12/19 08:30	07/12/19 17:23	206-44-0	
Fluorene	<5.1	ug/kg	16.9	5.1	1	07/12/19 08:30	07/12/19 17:23	86-73-7	
Indeno(1,2,3-cd)pyrene	7.6J	ug/kg	9.0	2.7	1	07/12/19 08:30	07/12/19 17:23	193-39-5	
1-Methylnaphthalene	9.7J	ug/kg	16.4	4.9	1	07/12/19 08:30	07/12/19 17:23	90-12-0	
2-Methylnaphthalene	12.9J	ug/kg	20.4	6.1	1	07/12/19 08:30	07/12/19 17:23	91-57-6	
Naphthalene	22.6J	ug/kg	34.3	10.3	1	07/12/19 08:30	07/12/19 17:23	91-20-3	
Phenanthrene	21.9J	ug/kg	47.4	14.2	1	07/12/19 08:30	07/12/19 17:23	85-01-8	
Pyrene	15.3J	ug/kg	18.3	5.5	1	07/12/19 08:30	07/12/19 17:23	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	28-99		1	07/12/19 08:30	07/12/19 17:23	321-60-8	
Terphenyl-d14 (S)	57	%	10-107		1	07/12/19 08:30	07/12/19 17:23	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.3	%	0.10	0.10	1		07/10/19 11:17		

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190848

**Sample: #4 (EAST)**      **Lab ID: 40190848004**      Collected: 07/02/19 11:30      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	11.2J	ug/kg	15.3	4.6	1	07/12/19 08:30	07/12/19 17:40	83-32-9	
Acenaphthylene	<3.9	ug/kg	13.1	3.9	1	07/12/19 08:30	07/12/19 17:40	208-96-8	
Anthracene	<6.8	ug/kg	22.6	6.8	1	07/12/19 08:30	07/12/19 17:40	120-12-7	
Benzo(a)anthracene	<3.8	ug/kg	12.6	3.8	1	07/12/19 08:30	07/12/19 17:40	56-55-3	
Benzo(a)pyrene	<3.0	ug/kg	10	3.0	1	07/12/19 08:30	07/12/19 17:40	50-32-8	
Benzo(b)fluoranthene	<3.4	ug/kg	11.2	3.4	1	07/12/19 08:30	07/12/19 17:40	205-99-2	
Benzo(g,h,i)perylene	<2.4	ug/kg	8.1	2.4	1	07/12/19 08:30	07/12/19 17:40	191-24-2	
Benzo(k)fluoranthene	<3.0	ug/kg	9.9	3.0	1	07/12/19 08:30	07/12/19 17:40	207-08-9	
Chrysene	<4.0	ug/kg	13.3	4.0	1	07/12/19 08:30	07/12/19 17:40	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	8.9	2.7	1	07/12/19 08:30	07/12/19 17:40	53-70-3	
Fluoranthene	<6.2	ug/kg	20.7	6.2	1	07/12/19 08:30	07/12/19 17:40	206-44-0	
Fluorene	9.6J	ug/kg	16.4	4.9	1	07/12/19 08:30	07/12/19 17:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.6	ug/kg	8.7	2.6	1	07/12/19 08:30	07/12/19 17:40	193-39-5	
1-Methylnaphthalene	199	ug/kg	15.9	4.8	1	07/12/19 08:30	07/12/19 17:40	90-12-0	
2-Methylnaphthalene	302	ug/kg	19.9	6.0	1	07/12/19 08:30	07/12/19 17:40	91-57-6	
Naphthalene	128	ug/kg	33.4	10.0	1	07/12/19 08:30	07/12/19 17:40	91-20-3	
Phenanthrene	<13.9	ug/kg	46.2	13.9	1	07/12/19 08:30	07/12/19 17:40	85-01-8	
Pyrene	<5.4	ug/kg	17.8	5.4	1	07/12/19 08:30	07/12/19 17:40	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	56	%	28-99		1	07/12/19 08:30	07/12/19 17:40	321-60-8	
Terphenyl-d14 (S)	57	%	10-107		1	07/12/19 08:30	07/12/19 17:40	1718-51-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.0	%	0.10	0.10	1		07/10/19 11:17		

**Sample: #5 (BASE 4 1/2)**      **Lab ID: 40190848005**      Collected: 07/02/19 12:00      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>									
Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546									
Acenaphthene	<4.8	ug/kg	15.9	4.8	1	07/12/19 08:30	07/16/19 12:07	83-32-9	
Acenaphthylene	4.8J	ug/kg	13.6	4.1	1	07/12/19 08:30	07/16/19 12:07	208-96-8	
Anthracene	<7.0	ug/kg	23.5	7.0	1	07/12/19 08:30	07/16/19 12:07	120-12-7	
Benzo(a)anthracene	11.4J	ug/kg	13.1	3.9	1	07/12/19 08:30	07/16/19 12:07	56-55-3	
Benzo(a)pyrene	12.5	ug/kg	10.3	3.1	1	07/12/19 08:30	07/16/19 12:07	50-32-8	
Benzo(b)fluoranthene	16.1	ug/kg	11.6	3.5	1	07/12/19 08:30	07/16/19 12:07	205-99-2	
Benzo(g,h,i)perylene	19.3	ug/kg	8.4	2.5	1	07/12/19 08:30	07/16/19 12:07	191-24-2	
Benzo(k)fluoranthene	5.9J	ug/kg	10.3	3.1	1	07/12/19 08:30	07/16/19 12:07	207-08-9	
Chrysene	17.2	ug/kg	13.8	4.2	1	07/12/19 08:30	07/16/19 12:07	218-01-9	
Dibenz(a,h)anthracene	4.6J	ug/kg	9.2	2.8	1	07/12/19 08:30	07/16/19 12:07	53-70-3	
Fluoranthene	13.8J	ug/kg	21.5	6.4	1	07/12/19 08:30	07/16/19 12:07	206-44-0	
Fluorene	<5.1	ug/kg	17.0	5.1	1	07/12/19 08:30	07/16/19 12:07	86-73-7	

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### ANALYTICAL RESULTS

Project: FREI OIL  
Pace Project No.: 40190848

**Sample: #5 (BASE 4 1/2)**      **Lab ID: 40190848005**      Collected: 07/02/19 12:00      Received: 07/09/19 09:42      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
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546							
Indeno(1,2,3-cd)pyrene	<b>10.1</b>	ug/kg	9.0	2.7	1	07/12/19 08:30	07/16/19 12:07	193-39-5	
1-Methylnaphthalene	<b>13.5J</b>	ug/kg	16.5	5.0	1	07/12/19 08:30	07/16/19 12:07	90-12-0	
2-Methylnaphthalene	<b>22.9</b>	ug/kg	20.6	6.2	1	07/12/19 08:30	07/16/19 12:07	91-57-6	
Naphthalene	<b>41.1</b>	ug/kg	34.7	10.4	1	07/12/19 08:30	07/16/19 12:07	91-20-3	
Phenanthrene	<b>22.9J</b>	ug/kg	47.9	14.4	1	07/12/19 08:30	07/16/19 12:07	85-01-8	
Pyrene	<b>13.6J</b>	ug/kg	18.5	5.6	1	07/12/19 08:30	07/16/19 12:07	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	48	%	28-99		1	07/12/19 08:30	07/16/19 12:07	321-60-8	
Terphenyl-d14 (S)	46	%	10-107		1	07/12/19 08:30	07/16/19 12:07	1718-51-0	
<b>8260 MSV Med Level Short List</b>		Analytical Method: EPA 8260      Preparation Method: EPA 5035/5030B							
Benzene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	71-43-2	W
Ethylbenzene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	100-41-4	W
Methyl-tert-butyl ether	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	1634-04-4	W
Toluene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	108-88-3	W
1,2,4-Trimethylbenzene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	95-63-6	W
1,3,5-Trimethylbenzene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	108-67-8	W
m&p-Xylene	<b>&lt;50.5</b>	ug/kg	121	50.5	1	07/10/19 08:45	07/10/19 14:14	179601-23-1	W
o-Xylene	<b>&lt;25.3</b>	ug/kg	60.6	25.3	1	07/10/19 08:45	07/10/19 14:14	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	115	%	57-146		1	07/10/19 08:45	07/10/19 14:14	1868-53-7	
4-Bromofluorobenzene (S)	94	%	54-126		1	07/10/19 08:45	07/10/19 14:14	460-00-4	
Toluene-d8 (S)	112	%	64-134		1	07/10/19 08:45	07/10/19 14:14	2037-26-5	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>19.1</b>	%	0.10	0.10	1		07/10/19 11:40		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190848

QC Batch: 327072 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List  
Associated Lab Samples: 40190848005

METHOD BLANK: 1898985 Matrix: Solid  
Associated Lab Samples: 40190848005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/10/19 09:09	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/10/19 09:09	
Benzene	ug/kg	<9.2	20.0	07/10/19 09:09	
Ethylbenzene	ug/kg	<12.4	50.0	07/10/19 09:09	
m&p-Xylene	ug/kg	<34.4	100	07/10/19 09:09	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/10/19 09:09	
o-Xylene	ug/kg	<14.0	50.0	07/10/19 09:09	
Toluene	ug/kg	<11.2	50.0	07/10/19 09:09	
4-Bromofluorobenzene (S)	%	81	54-126	07/10/19 09:09	
Dibromofluoromethane (S)	%	111	57-146	07/10/19 09:09	
Toluene-d8 (S)	%	102	64-134	07/10/19 09:09	

LABORATORY CONTROL SAMPLE: 1898986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2520	101	70-130	
Ethylbenzene	ug/kg	2500	2360	95	82-122	
m&p-Xylene	ug/kg	5000	4790	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2300	92	70-130	
o-Xylene	ug/kg	2500	2320	93	70-130	
Toluene	ug/kg	2500	2570	103	80-121	
4-Bromofluorobenzene (S)	%			90	54-126	
Dibromofluoromethane (S)	%			106	57-146	
Toluene-d8 (S)	%			102	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1898987 1898988

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40190849004 Result	Spike Conc.	Spike Conc.	MS Result								
Benzene	ug/kg	124	1610	1610	1760	1690	102	97	70-130	4	20		
Ethylbenzene	ug/kg	883	1610	1610	2360	2370	92	93	80-122	0	20		
m&p-Xylene	ug/kg	1510	3220	3220	4360	4350	89	88	70-130	0	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1610	1610	1340	1330	83	83	70-130	1	20		
o-Xylene	ug/kg	78.1	1610	1610	1450	1540	85	91	70-130	6	20		
Toluene	ug/kg	<25.0	1610	1610	1520	1570	94	96	80-121	3	20		
4-Bromofluorobenzene (S)	%						92	97	54-126				
Dibromofluoromethane (S)	%						118	113	57-146				
Toluene-d8 (S)	%						111	107	64-134				

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190848

QC Batch: 327319 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM  
Associated Lab Samples: 40190848001, 40190848002, 40190848003, 40190848004, 40190848005

METHOD BLANK: 1900532 Matrix: Solid  
Associated Lab Samples: 40190848001, 40190848002, 40190848003, 40190848004, 40190848005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	07/12/19 11:03	
2-Methylnaphthalene	ug/kg	<5.0	16.7	07/12/19 11:03	
Acenaphthene	ug/kg	<3.9	12.9	07/12/19 11:03	
Acenaphthylene	ug/kg	<3.3	11.0	07/12/19 11:03	
Anthracene	ug/kg	<5.7	19.0	07/12/19 11:03	
Benzo(a)anthracene	ug/kg	<3.2	10.6	07/12/19 11:03	
Benzo(a)pyrene	ug/kg	<2.5	8.4	07/12/19 11:03	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	07/12/19 11:03	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	07/12/19 11:03	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	07/12/19 11:03	
Chrysene	ug/kg	<3.4	11.2	07/12/19 11:03	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	07/12/19 11:03	
Fluoranthene	ug/kg	<5.2	17.4	07/12/19 11:03	
Fluorene	ug/kg	<4.1	13.8	07/12/19 11:03	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	07/12/19 11:03	
Naphthalene	ug/kg	<8.4	28.1	07/12/19 11:03	
Phenanthrene	ug/kg	<11.6	38.8	07/12/19 11:03	
Pyrene	ug/kg	<4.5	15.0	07/12/19 11:03	
2-Fluorobiphenyl (S)	%	70	28-99	07/12/19 11:03	
Terphenyl-d14 (S)	%	79	10-107	07/12/19 11:03	

LABORATORY CONTROL SAMPLE: 1900533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	252	76	47-104	
2-Methylnaphthalene	ug/kg	333	256	77	50-100	
Acenaphthene	ug/kg	333	261	78	56-113	
Acenaphthylene	ug/kg	333	270	81	55-113	
Anthracene	ug/kg	333	287	86	59-103	
Benzo(a)anthracene	ug/kg	333	263	79	55-102	
Benzo(a)pyrene	ug/kg	333	299	90	59-114	
Benzo(b)fluoranthene	ug/kg	333	280	84	53-124	
Benzo(g,h,i)perylene	ug/kg	333	302	91	48-114	
Benzo(k)fluoranthene	ug/kg	333	310	93	61-118	
Chrysene	ug/kg	333	291	87	62-108	
Dibenz(a,h)anthracene	ug/kg	333	317	95	51-114	
Fluoranthene	ug/kg	333	294	88	59-113	
Fluorene	ug/kg	333	276	83	56-117	
Indeno(1,2,3-cd)pyrene	ug/kg	333	315	95	52-115	
Naphthalene	ug/kg	333	250	75	54-95	

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### QUALITY CONTROL DATA

Project: FREI OIL  
Pace Project No.: 40190848

LABORATORY CONTROL SAMPLE: 1900533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	282	85	58-101	
Pyrene	ug/kg	333	270	81	56-105	
2-Fluorobiphenyl (S)	%			72	28-99	
Terphenyl-d14 (S)	%			74	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1900534 1900535

Parameter	Units	40190957006		1900534		1900535		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1-Methylnaphthalene	ug/kg	<5.0	415	416	284	295	68	71	39-104	4	29
2-Methylnaphthalene	ug/kg	<6.2	415	416	291	301	70	72	40-100	3	32
Acenaphthene	ug/kg	<0.0048	415	416	315	318	76	76	50-113	1	21
Acenaphthylene	ug/kg	<0.0041	415	416	323	329	78	79	42-114	2	27
Anthracene	ug/kg	<0.0071	415	416	337	336	81	81	33-105	0	21
Benzo(a)anthracene	ug/kg	<0.0039	415	416	315	316	76	76	43-102	0	21
Benzo(a)pyrene	ug/kg	<0.0031	415	416	356	351	86	84	34-117	2	22
Benzo(b)fluoranthene	ug/kg	<0.0035	415	416	353	348	85	84	35-124	1	35
Benzo(g,h,i)perylene	ug/kg	<0.0025	415	416	364	358	88	86	10-120	2	30
Benzo(k)fluoranthene	ug/kg	<0.0031	415	416	350	347	84	84	31-128	1	27
Chrysene	ug/kg	<0.0042	415	416	342	338	82	81	39-108	1	20
Dibenz(a,h)anthracene	ug/kg	<0.0028	415	416	377	368	91	89	19-114	2	28
Fluoranthene	ug/kg	<0.0065	415	416	349	344	84	83	45-113	1	22
Fluorene	ug/kg	<0.0051	415	416	332	335	80	81	48-117	1	21
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0027	415	416	374	365	90	88	10-123	3	28
Naphthalene	ug/kg	<0.010	415	416	303	314	73	76	32-101	4	27
Phenanthrene	ug/kg	<0.014	415	416	334	336	81	81	40-101	1	20
Pyrene	ug/kg	<0.0056	415	416	325	323	78	78	35-105	1	26
2-Fluorobiphenyl (S)	%						63	66	28-99		
Terphenyl-d14 (S)	%						65	66	10-107		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: FREI OIL

Pace Project No.: 40190848

QC Batch: 327082

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40190848001, 40190848002, 40190848003, 40190848004

SAMPLE DUPLICATE: 1899004

Parameter	Units	40190083005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.9	14.6	2	10	

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## QUALIFIERS

Project: FREI OIL  
Pace Project No.: 40190848

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### 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

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: FREI OIL

Pace Project No.: 40190848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40190848001	#1 (NORTH)	EPA 3546	327319	EPA 8270 by SIM	327362
40190848002	#2 (WEST)	EPA 3546	327319	EPA 8270 by SIM	327362
40190848003	#3 (SOUTH)	EPA 3546	327319	EPA 8270 by SIM	327362
40190848004	#4 (EAST)	EPA 3546	327319	EPA 8270 by SIM	327362
40190848005	#5 (BASE 4 1/2)	EPA 3546	327319	EPA 8270 by SIM	327362
40190848005	#5 (BASE 4 1/2)	EPA 5035/5030B	327072	EPA 8260	327074
40190848001	#1 (NORTH)	ASTM D2974-87	327082		
40190848002	#2 (WEST)	ASTM D2974-87	327082		
40190848003	#3 (SOUTH)	ASTM D2974-87	327082		
40190848004	#4 (EAST)	ASTM D2974-87	327082		
40190848005	#5 (BASE 4 1/2)	ASTM D2974-87	327084		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Seymour Env  
 Branch/Location: \_\_\_\_\_  
 Project Contact: Robyn Seymour  
 Phone: 608 225 9407  
 Project Number: \_\_\_\_\_  
 Project Name: Envi DJ  
 Project State: Wisconsin  
 Sampled By (Print): Robyn Seymour  
 Sampled By (Sign): Robyn Seymour  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_



# CHAIN OF CUSTODY

Preservation Codes: A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

REGULATORY PROGRAM (CODE)

Y/N  
Pick Letter

### Analyses Requested

PAH  
VOC

### CLIENT COMMENTS

### LAB COMMENTS (Lab Use Only)

### Profile #

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Y/N	Pick Letter	Date/Time	Received By	Date/Time	PAGE Project No.
051	#1 (Morton)	7/12	1100	S	X					
052	#2 (Wust)	7/12	1110	S	X					
053	#3 (Sauer)	7/12	1120	S	X					
054	#4 (East)	7/12	113	S	X					
055	#5 (Coal #1/2)	7/12	1200	S	X					

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: \_\_\_\_\_  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1: \_\_\_\_\_  
 Email #2: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Relinquished By: Robyn Seymour Date/Time: 7/8/13 00  
 Relinquished By: CS Logistics Date/Time: 7/9/13 6:42  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: T. Shahn Date/Time: 7/9/13 09:42  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Receipt Temp = 16.1 °C  
 Sample Receipt pH \_\_\_\_\_  
 Cooler Custody Seal Present (Not Present) Intact / Not Intact

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-489-2436

40190848



 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: <b>Pace Green Bay Quality Office</b>

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** Seymour Env.  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_

Project #: **WO# : 40190848**



40190848

**Tracking #:** 509.070819  
**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 shredded paper  
**Thermometer Used:** SR - N/A    **Type of Ice:**  Wet  Blue  Dry  None     Samples on ice, cooling process has begun  
**Cooler Temperature:** Uncorr: 60.1 / Corr: ~

**Temp Blank Present:**  yes  no    **Biological Tissues Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

**Person examining contents:**  
 Date: 7/9/19  
 Initials: DS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.	No pg #. time for 004 1130 7/9/19 DS
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	No year 7/9/19 DS
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:		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.	
-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		
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.	105 EXC 1 001-005, WPFU info on cap.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

**Client Notification/ Resolution:**    If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

**Project Manager Review:** Ron to DS    **Date:** 07/09/19

July 26, 2019

Robyn Seymour  
Seymour Environmental Services, INC.  
2531 Dyreson Road  
Mc Farland, WI 53558

RE: Project: 10692.00 FREI OIL  
Pace Project No.: 40191768

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

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### Green Bay Certification IDs

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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191768001	MW-1	Water	07/22/19 12:30	07/24/19 09:15
40191768002	MW-4	Water	07/22/19 12:45	07/24/19 09:15
40191768003	MW-3	Water	07/22/19 12:55	07/24/19 09:15
40191768004	MW-2R	Water	07/22/19 13:00	07/24/19 09:15

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191768001	MW-1	EPA 8260	LAP	12	PASI-G
40191768002	MW-4	EPA 8260	LAP	12	PASI-G
40191768003	MW-3	EPA 8260	LAP	12	PASI-G
40191768004	MW-2R	EPA 8260	LAP	12	PASI-G

### REPORT OF LABORATORY ANALYSIS

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## SUMMARY OF DETECTION

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40191768004</b>	<b>MW-2R</b>					
EPA 8260	Benzene	461	ug/L	10.0	07/25/19 16:14	
EPA 8260	Ethylbenzene	581	ug/L	10.0	07/25/19 16:14	
EPA 8260	Naphthalene	107	ug/L	50.0	07/25/19 16:14	
EPA 8260	Toluene	9.2J	ug/L	50.0	07/25/19 16:14	
EPA 8260	1,2,4-Trimethylbenzene	698	ug/L	28.0	07/25/19 16:14	
EPA 8260	1,3,5-Trimethylbenzene	117	ug/L	29.1	07/25/19 16:14	
EPA 8260	m&p-Xylene	866	ug/L	20.0	07/25/19 16:14	
EPA 8260	o-Xylene	12.8	ug/L	10.0	07/25/19 16:14	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

Sample: MW-1 Lab ID: 40191768001 Collected: 07/22/19 12:30 Received: 07/24/19 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		07/25/19 11:51	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/25/19 11:51	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/25/19 11:51	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/25/19 11:51	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/25/19 11:51	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/25/19 11:51	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/25/19 11:51	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/25/19 11:51	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/25/19 11:51	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	70-130		1		07/25/19 11:51	1868-53-7	HS,pH
Toluene-d8 (S)	102	%	70-130		1		07/25/19 11:51	2037-26-5	
4-Bromofluorobenzene (S)	84	%	70-130		1		07/25/19 11:51	460-00-4	

Sample: MW-4 Lab ID: 40191768002 Collected: 07/22/19 12:45 Received: 07/24/19 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		07/25/19 12:13	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/25/19 12:13	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/25/19 12:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/25/19 12:13	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/25/19 12:13	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/25/19 12:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/25/19 12:13	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/25/19 12:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/25/19 12:13	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	100	%	70-130		1		07/25/19 12:13	1868-53-7	HS,pH
Toluene-d8 (S)	100	%	70-130		1		07/25/19 12:13	2037-26-5	
4-Bromofluorobenzene (S)	81	%	70-130		1		07/25/19 12:13	460-00-4	

Sample: MW-3 Lab ID: 40191768003 Collected: 07/22/19 12:55 Received: 07/24/19 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		07/25/19 12:35	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		07/25/19 12:35	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/25/19 12:35	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/25/19 12:35	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		07/25/19 12:35	108-88-3	

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL

Project No.: 40191768

**Sample: MW-3**      **Lab ID: 40191768003**      Collected: 07/22/19 12:55      Received: 07/24/19 09:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/25/19 12:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/25/19 12:35	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/25/19 12:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/25/19 12:35	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	70-130		1		07/25/19 12:35	1868-53-7	HS
Toluene-d8 (S)	100	%	70-130		1		07/25/19 12:35	2037-26-5	
4-Bromofluorobenzene (S)	79	%	70-130		1		07/25/19 12:35	460-00-4	

**Sample: MW-2R**      **Lab ID: 40191768004**      Collected: 07/22/19 13:00      Received: 07/24/19 09:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	461	ug/L	10.0	2.5	10		07/25/19 16:14	71-43-2	
Ethylbenzene	581	ug/L	10.0	2.2	10		07/25/19 16:14	100-41-4	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		07/25/19 16:14	1634-04-4	
Naphthalene	107	ug/L	50.0	11.8	10		07/25/19 16:14	91-20-3	
Toluene	9.2J	ug/L	50.0	1.7	10		07/25/19 16:14	108-88-3	
1,2,4-Trimethylbenzene	698	ug/L	28.0	8.4	10		07/25/19 16:14	95-63-6	
1,3,5-Trimethylbenzene	117	ug/L	29.1	8.7	10		07/25/19 16:14	108-67-8	
m&p-Xylene	866	ug/L	20.0	4.7	10		07/25/19 16:14	179601-23-1	
o-Xylene	12.8	ug/L	10.0	2.6	10		07/25/19 16:14	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	70-130		10		07/25/19 16:14	1868-53-7	HS,pH
Toluene-d8 (S)	102	%	70-130		10		07/25/19 16:14	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		10		07/25/19 16:14	460-00-4	

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## QUALIFIERS

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

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### 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.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 10692.00 FREI OIL

Pace Project No.: 40191768

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191768001	MW-1	EPA 8260	328612		
40191768002	MW-4	EPA 8260	328612		
40191768003	MW-3	EPA 8260	328612		
40191768004	MW-2R	EPA 8260	328612		

**REPORT OF LABORATORY ANALYSIS**

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Client Name: Sejmour

**Sample Preservation Receipt Form**

Project # 10191768

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 Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

Pace Lab #	AG1U AG1H AG4S AG4U AG5U AG2S BG3U	BP1U BP2N BP2Z BP3U BP3B BP3N BP3S	DG9A DG9T VG9U VG9H VG9M VG9D	JGFU WGFU WPFU	SP5T ZPLC GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (ml)
001												2.5 / 5 / 10
002												2.5 / 5 / 10
003						3						2.5 / 5 / 10
004						3						2.5 / 5 / 10
005						3						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	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL	SP5T	120 mL plastic Na Thiosulfate ziploc bag
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH		
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI		
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			ZPLC	ziploc bag
						GN:	



Document Name: Sample Condition Upon Receipt (SCUR)  
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018  
Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project #:

**WO#: 40191768**



Client Name: Seymour

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_

Tracking #: 687 072319

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 - N/A Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: \_\_\_\_\_

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
Date: 07/24/19  
Initials: MSC

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>No Time</u> <span style="float: right;"><u>MSC 07/24/19</u></span>
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:		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.
-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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

Project Manager Review: Run for Dr

Date: 07/24/19

October 04, 2019

Robyn Seymour  
Seymour Environmental Services, INC.  
2531 Dyreson Road  
Mc Farland, WI 53558

RE: Project: 10692.00 FREI OIL  
Pace Project No.: 40196271

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

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### Green Bay Certification IDs

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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40196271001	MW-1	Water	09/26/19 17:10	10/01/19 09:25
40196271002	MW-4	Water	09/26/19 17:20	10/01/19 09:25
40196271003	MW-3	Water	09/26/19 18:10	10/01/19 09:25
40196271004	MW-2R	Water	09/26/19 18:20	10/01/19 09:25

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### SAMPLE ANALYTE COUNT

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40196271001	MW-1	EPA 8260	SMT	12	PASI-G
40196271002	MW-4	EPA 8260	SMT	12	PASI-G
40196271003	MW-3	EPA 8260	SMT	12	PASI-G
40196271004	MW-2R	EPA 8260	LAP	12	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40196271004</b>	<b>MW-2R</b>					
EPA 8260	Benzene	250	ug/L	2.5	10/03/19 15:48	
EPA 8260	Ethylbenzene	212	ug/L	2.5	10/03/19 15:48	
EPA 8260	Naphthalene	74.7	ug/L	12.5	10/03/19 15:48	
EPA 8260	Toluene	2.8J	ug/L	12.5	10/03/19 15:48	
EPA 8260	1,2,4-Trimethylbenzene	271	ug/L	7.0	10/03/19 15:48	
EPA 8260	1,3,5-Trimethylbenzene	55.4	ug/L	7.3	10/03/19 15:48	
EPA 8260	m&p-Xylene	240	ug/L	5.0	10/03/19 15:48	
EPA 8260	o-Xylene	3.4	ug/L	2.5	10/03/19 15:48	

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

**Sample: MW-1**      **Lab ID: 40196271001**      Collected: 09/26/19 17:10      Received: 10/01/19 09:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/19 11:52	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/02/19 11:52	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/02/19 11:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/02/19 11:52	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		10/02/19 11:52	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/02/19 11:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/02/19 11:52	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/02/19 11:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/02/19 11:52	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	70-130		1		10/02/19 11:52	1868-53-7	HS,pH
Toluene-d8 (S)	99	%	70-130		1		10/02/19 11:52	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/02/19 11:52	460-00-4	

**Sample: MW-4**      **Lab ID: 40196271002**      Collected: 09/26/19 17:20      Received: 10/01/19 09:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/19 12:12	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/02/19 12:12	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/02/19 12:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/02/19 12:12	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		10/02/19 12:12	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/02/19 12:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/02/19 12:12	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/02/19 12:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/02/19 12:12	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	110	%	70-130		1		10/02/19 12:12	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/02/19 12:12	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/02/19 12:12	460-00-4	

**Sample: MW-3**      **Lab ID: 40196271003**      Collected: 09/26/19 18:10      Received: 10/01/19 09:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/19 12:32	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/02/19 12:32	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/02/19 12:32	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/02/19 12:32	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		10/02/19 12:32	108-88-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

**Sample: MW-3**      **Lab ID: 40196271003**      Collected: 09/26/19 18:10      Received: 10/01/19 09:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/02/19 12:32	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/02/19 12:32	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/02/19 12:32	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/02/19 12:32	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	70-130		1		10/02/19 12:32	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/02/19 12:32	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/02/19 12:32	460-00-4	

**Sample: MW-2R**      **Lab ID: 40196271004**      Collected: 09/26/19 18:20      Received: 10/01/19 09:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	250	ug/L	2.5	0.62	2.5		10/03/19 15:48	71-43-2	
Ethylbenzene	212	ug/L	2.5	0.55	2.5		10/03/19 15:48	100-41-4	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		10/03/19 15:48	1634-04-4	
Naphthalene	74.7	ug/L	12.5	2.9	2.5		10/03/19 15:48	91-20-3	
Toluene	2.8J	ug/L	12.5	0.43	2.5		10/03/19 15:48	108-88-3	
1,2,4-Trimethylbenzene	271	ug/L	7.0	2.1	2.5		10/03/19 15:48	95-63-6	
1,3,5-Trimethylbenzene	55.4	ug/L	7.3	2.2	2.5		10/03/19 15:48	108-67-8	
m&p-Xylene	240	ug/L	5.0	1.2	2.5		10/03/19 15:48	179601-23-1	
o-Xylene	3.4	ug/L	2.5	0.65	2.5		10/03/19 15:48	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	70-130		2.5		10/03/19 15:48	1868-53-7	HS,pH
Toluene-d8 (S)	98	%	70-130		2.5		10/03/19 15:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		2.5		10/03/19 15:48	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

QC Batch: 335989 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
 Associated Lab Samples: 40196271001, 40196271002, 40196271003

METHOD BLANK: 1951026 Matrix: Water

Associated Lab Samples: 40196271001, 40196271002, 40196271003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/02/19 07:55	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/02/19 07:55	
Benzene	ug/L	<0.25	1.0	10/02/19 07:55	
Ethylbenzene	ug/L	<0.22	1.0	10/02/19 07:55	
m&p-Xylene	ug/L	<0.47	2.0	10/02/19 07:55	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/02/19 07:55	
Naphthalene	ug/L	<1.2	5.0	10/02/19 07:55	
o-Xylene	ug/L	<0.26	1.0	10/02/19 07:55	
Toluene	ug/L	<0.17	5.0	10/02/19 07:55	
4-Bromofluorobenzene (S)	%	98	70-130	10/02/19 07:55	
Dibromofluoromethane (S)	%	107	70-130	10/02/19 07:55	
Toluene-d8 (S)	%	103	70-130	10/02/19 07:55	

LABORATORY CONTROL SAMPLE: 1951027

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.9	112	70-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	54.7	109	54-137	
o-Xylene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	54.6	109	80-126	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1951079 1951080

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40196271002 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<0.25	50	50	57.5	57.2	115	114	70-130	1	20
Ethylbenzene	ug/L	<0.22	50	50	56.1	56.3	112	113	80-125	0	20
m&p-Xylene	ug/L	<0.47	100	100	109	107	109	107	70-130	2	20
Methyl-tert-butyl ether	ug/L	<1.2	50	50	55.6	54.7	111	109	51-145	2	20
o-Xylene	ug/L	<0.26	50	50	55.3	54.1	111	108	70-130	2	20
Toluene	ug/L	<0.17	50	50	56.8	55.8	114	112	80-131	2	20
4-Bromofluorobenzene (S)	%						105	104	70-130		
Dibromofluoromethane (S)	%						99	99	70-130		

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

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1951079												1951080	
Parameter	Units	40196271002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Toluene-d8 (S)	%						103	100	70-130				

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### QUALITY CONTROL DATA

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

QC Batch: 336232

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV UST-WATER

Associated Lab Samples: 40196271004

METHOD BLANK: 1952199

Matrix: Water

Associated Lab Samples: 40196271004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/03/19 08:42	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/03/19 08:42	
Benzene	ug/L	<0.25	1.0	10/03/19 08:42	
Ethylbenzene	ug/L	<0.22	1.0	10/03/19 08:42	
m&p-Xylene	ug/L	<0.47	2.0	10/03/19 08:42	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/03/19 08:42	
Naphthalene	ug/L	<1.2	5.0	10/03/19 08:42	
o-Xylene	ug/L	<0.26	1.0	10/03/19 08:42	
Toluene	ug/L	<0.17	5.0	10/03/19 08:42	
4-Bromofluorobenzene (S)	%	95	70-130	10/03/19 08:42	
Dibromofluoromethane (S)	%	106	70-130	10/03/19 08:42	
Toluene-d8 (S)	%	97	70-130	10/03/19 08:42	

LABORATORY CONTROL SAMPLE: 1952200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	57.0	114	70-130	
Ethylbenzene	ug/L	50	53.2	106	80-124	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	46.9	94	54-137	
o-Xylene	ug/L	50	49.8	100	70-130	
Toluene	ug/L	50	52.4	105	80-126	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			99	70-130	

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

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### 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.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10692.00 FREI OIL

Pace Project No.: 40196271

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40196271001	MW-1	EPA 8260	335989		
40196271002	MW-4	EPA 8260	335989		
40196271003	MW-3	EPA 8260	335989		
40196271004	MW-2R	EPA 8260	336232		

### REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Seymour Environmental Services

Branch/Location: McFarland

Project Contact: Robyn Seymour

Phone: 608-838-9120

Project Number: 10692.00

Project Name: Frei Oil

Project State: Wisconsin

Sampled By (Print): Mark R. Seymour

Sampled By (Sign): *Mark R. Seymour*

PO #: *10692.00*

Regulatory Program:

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

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

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

CLIENT FIELD ID

DATE TIME MATRIX

601 MMW-1 9/26/19 5:10 GW

002 MMW-4 9/26/19 5:20 GW

003 MMW-3 9/26/19 6:10 GW

004 MMW-2R 9/26/19 6:20 GW

Analyses Requested

PVOC + naphthalene

Y/N Pick Letter

N B

Relinquished By: *Mark R. Seymour* Date/Time: 9/30/19 pm

Relinquished By: *CS Logistics* Date/Time: 10/11/19 0035

Relinquished By: *John Deane* Date/Time: 10/11/19 0025

Relinquished By: Date/Time:

Relinquished By: Date/Time:

# CHAIN OF CUSTODY

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

UPPER MIDWEST REGION

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

COC No. 401910271

### Quote #:

Mail To Contact: Robyn Seymour

Mail To Company: Seymour Environmental Services

Mail To Address: 2531 Dyreson Road McFarland, Wisconsin 53558

Invoice To Contact: Robyn Seymour

Invoice To Company: Seymour Environmental Services

Invoice To Address: 2531 Dyreson Road McFarland, Wisconsin 53558

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

*John Deane*

PACE Project No. 401910271

Receipt Temp = 60.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

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



 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: Seymour Env Project #: 
**WO#: 40196271**  
  
**40196271**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_

Tracking #: 494.093019

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  Samples on ice, cooling process has begun  
 Cooler Temperature    Uncorr: A01 /Corr: \_\_\_\_\_

Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no

Person examining contents: Date: <u>10/11/19</u> Initials: <u>dy</u>
----------------------------------------------------------------------------

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>time</u> <u>10/11/19</u> <u>dy</u>
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:		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.
-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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

**Client Notification/ Resolution:** \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: HMZ Per DM Date: 10/11/19

March 10, 2020

Robyn Seymour  
Seymour Environmental Services, INC.  
2531 Dyreson Road  
Mc Farland, WI 53558

RE: Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 10692.00 FREI OIL

Pace Project No.: 40204300

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### **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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 10692.00 FREI OIL

Pace Project No.: 40204300

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40204300001	MW-1	Water	03/03/20 13:20	03/06/20 08:35
40204300002	MW-4	Water	03/03/20 13:10	03/06/20 08:35
40204300003	MW-3	Water	03/03/20 13:40	03/06/20 08:35
40204300004	MW-2R	Water	03/03/20 12:00	03/06/20 08:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40204300001	MW-1	EPA 8260	LAP	12	PASI-G
40204300002	MW-4	EPA 8260	LAP	12	PASI-G
40204300003	MW-3	EPA 8260	LAP	12	PASI-G
40204300004	MW-2R	EPA 8260	LAP	12	PASI-G

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40204300003</b>	<b>MW-3</b>					
EPA 8260	Benzene	0.29J	ug/L	1.0	03/09/20 13:45	
<b>40204300004</b>	<b>MW-2R</b>					
EPA 8260	Benzene	258	ug/L	2.5	03/09/20 08:52	
EPA 8260	Ethylbenzene	249	ug/L	2.7	03/09/20 08:52	
EPA 8260	Naphthalene	54.3	ug/L	12.5	03/09/20 08:52	
EPA 8260	Toluene	1.9J	ug/L	2.2	03/09/20 08:52	
EPA 8260	1,2,4-Trimethylbenzene	170	ug/L	7.0	03/09/20 08:52	
EPA 8260	1,3,5-Trimethylbenzene	14.3	ug/L	7.3	03/09/20 08:52	
EPA 8260	m&p-Xylene	171	ug/L	5.0	03/09/20 08:52	
EPA 8260	o-Xylene	1.6J	ug/L	2.5	03/09/20 08:52	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL

Pace Project No.: 40204300

**Sample: MW-1**      **Lab ID: 40204300001**      Collected: 03/03/20 13:20      Received: 03/06/20 08:35      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/09/20 13:00	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/09/20 13:00	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/09/20 13:00	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/09/20 13:00	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		03/09/20 13:00	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/09/20 13:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/09/20 13:00	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/09/20 13:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/09/20 13:00	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	70-130		1		03/09/20 13:00	1868-53-7	pH
Toluene-d8 (S)	102	%	70-130		1		03/09/20 13:00	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		03/09/20 13:00	460-00-4	

**Sample: MW-4**      **Lab ID: 40204300002**      Collected: 03/03/20 13:10      Received: 03/06/20 08:35      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		03/09/20 13:22	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/09/20 13:22	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/09/20 13:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/09/20 13:22	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		03/09/20 13:22	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/09/20 13:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/09/20 13:22	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/09/20 13:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/09/20 13:22	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	70-130		1		03/09/20 13:22	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/09/20 13:22	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		03/09/20 13:22	460-00-4	

**Sample: MW-3**      **Lab ID: 40204300003**      Collected: 03/03/20 13:40      Received: 03/06/20 08:35      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b> Analytical Method: EPA 8260									
Benzene	0.29J	ug/L	1.0	0.25	1		03/09/20 13:45	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		03/09/20 13:45	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		03/09/20 13:45	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		03/09/20 13:45	91-20-3	
Toluene	<0.27	ug/L	0.90	0.27	1		03/09/20 13:45	108-88-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

Sample: MW-3									
Lab ID: 40204300003									
Collected: 03/03/20 13:40									
Received: 03/06/20 08:35									
Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b>									
Analytical Method: EPA 8260									
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		03/09/20 13:45	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		03/09/20 13:45	108-67-8	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		03/09/20 13:45	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		03/09/20 13:45	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	112	%	70-130		1		03/09/20 13:45	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/09/20 13:45	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		03/09/20 13:45	460-00-4	

Sample: MW-2R									
Lab ID: 40204300004									
Collected: 03/03/20 12:00									
Received: 03/06/20 08:35									
Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV UST</b>									
Analytical Method: EPA 8260									
Benzene	258	ug/L	2.5	0.62	2.5		03/09/20 08:52	71-43-2	
Ethylbenzene	249	ug/L	2.7	0.80	2.5		03/09/20 08:52	100-41-4	
Methyl-tert-butyl ether	<3.1	ug/L	10.4	3.1	2.5		03/09/20 08:52	1634-04-4	
Naphthalene	54.3	ug/L	12.5	2.9	2.5		03/09/20 08:52	91-20-3	
Toluene	1.9J	ug/L	2.2	0.67	2.5		03/09/20 08:52	108-88-3	
1,2,4-Trimethylbenzene	170	ug/L	7.0	2.1	2.5		03/09/20 08:52	95-63-6	
1,3,5-Trimethylbenzene	14.3	ug/L	7.3	2.2	2.5		03/09/20 08:52	108-67-8	
m&p-Xylene	171	ug/L	5.0	1.2	2.5		03/09/20 08:52	179601-23-1	
o-Xylene	1.6J	ug/L	2.5	0.65	2.5		03/09/20 08:52	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	70-130		2.5		03/09/20 08:52	1868-53-7	pH
Toluene-d8 (S)	103	%	70-130		2.5		03/09/20 08:52	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		2.5		03/09/20 08:52	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

QC Batch: 349432 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
Associated Lab Samples: 40204300001, 40204300002, 40204300003, 40204300004

METHOD BLANK: 2024788 Matrix: Water  
Associated Lab Samples: 40204300001, 40204300002, 40204300003, 40204300004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/09/20 08:29	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/09/20 08:29	
Benzene	ug/L	<0.25	1.0	03/09/20 08:29	
Ethylbenzene	ug/L	<0.32	1.1	03/09/20 08:29	
m&p-Xylene	ug/L	<0.47	2.0	03/09/20 08:29	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/09/20 08:29	
Naphthalene	ug/L	<1.2	5.0	03/09/20 08:29	
o-Xylene	ug/L	<0.26	1.0	03/09/20 08:29	
Toluene	ug/L	<0.27	0.90	03/09/20 08:29	
4-Bromofluorobenzene (S)	%	92	70-130	03/09/20 08:29	
Dibromofluoromethane (S)	%	111	70-130	03/09/20 08:29	
Toluene-d8 (S)	%	102	70-130	03/09/20 08:29	

LABORATORY CONTROL SAMPLE: 2024789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	58.5	117	70-130	
Ethylbenzene	ug/L	50	58.0	116	80-124	
m&p-Xylene	ug/L	100	119	119	70-130	
Methyl-tert-butyl ether	ug/L	50	59.7	119	54-137	
o-Xylene	ug/L	50	57.6	115	70-130	
Toluene	ug/L	50	55.4	111	80-126	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			101	70-130	

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 10692.00 FREI OIL

Pace Project No.: 40204300

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### 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.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 10692.00 FREI OIL  
Pace Project No.: 40204300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40204300001	MW-1	EPA 8260	349432		
40204300002	MW-4	EPA 8260	349432		
40204300003	MW-3	EPA 8260	349432		
40204300004	MW-2R	EPA 8260	349432		

**REPORT OF LABORATORY ANALYSIS**

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(Please Print Clearly)

Company Name: Seymour Environmental Services

Branch/Location: McFarland

Project Contact: Robyn Seymour

Phone: 608-838-9120

Project Number: 10692.00

Project Name: Fei Oil

Project State: Wisconsin

Sampled By (Print): Mark R. Seymour

Sampled By (Sign): *Mark R. Seymour*

PO #: *Mark R. Seymour*

Data Package Options

- EPA Level III
- EPA Level IV
- On your sample (billable)
- NOT needed on your sample

CLIENT FIELD ID

PAGE LAB #

001 MW-1  
 002 MW-4  
 003 MW-3  
 004 MW-2R

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

Analyses Requested

PVOC + naphthalene

CLIENT COMMENTS  
 (Lab Use Only)

LAB COMMENTS (Lab Use Only)

Profile #

# CHAIN OF CUSTODY



www.faceanals.com

*BR*

UPPER MIDWEST REGION

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

Page 1 of 1

COC No. 40204300

Quote #:

Mail To Contact: Robyn Seymour

Mail To Company: Seymour Environmental Services

Mail To Address: 2631 Dyreson Road  
McFarland, Wisconsin 53558

Invoice To Contact: Robyn Seymour

Invoice To Company: Seymour Environmental Services

Invoice To Address: 2631 Dyreson Road  
McFarland, Wisconsin 53558

Invoice To Phone:

CLIENT COMMENTS (Lab Use Only)

LAB COMMENTS (Lab Use Only)

Profile #

Filtered? (Yes/No) PRESERVATION (CODE)

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

Y/N Pick Letter

N B

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analyses Requested	Y/N	Pick Letter														
		DATE	TIME																		
001	MW-1	3/3/20	13:20	GW	PVOC + naphthalene	X	B														
002	MW-4	3/3/20	13:10	GW		X															
003	MW-3	3/3/20	13:40	GW		X															
004	MW-2R	3/3/20	12:00	GW		X															

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

Relinquished By: *Mark R. Seymour*  
 Date/Time: 03/05/2020 pm

Received By: *Quark W. Du*  
 Date/Time: 3/5/20 0835

PACE Project No.

Transmit Prelim Rush Results by (complete what you want):  
 Email #1: rseymour@chorus.net  
 Email #2:

Relinquished By: *Quark W. Du*  
 Date/Time: 3/5/20 0835

Received By: *Quark W. Du*  
 Date/Time: 3/5/20 0835

Receipt Temp *ROT* °C  
 Sample Receipt pH  
 Cooler Custody Seal  
 Present (Not Present)  
 Intact / Not Intact

Relinquished By:  
 Date/Time:  
 Relinquished By:  
 Date/Time:

Received By:  
 Date/Time:  
 Received By:  
 Date/Time:

Received By:  
 Date/Time:  
 Received By:  
 Date/Time:

Receipt Temp  
 Sample Receipt pH  
 Cooler Custody Seal  
 Present (Not Present)  
 Intact / Not Intact

Client Name: Seymour, E.V.

Seymour, E.V.

Sample Preservation Receipt Form

Project # 40204300

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

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)
001												2.5/5/10
002												2.5/5/10
003												2.5/5/10
004												2.5/5/10
005						2						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

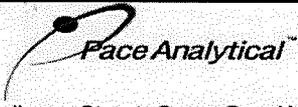
Exceptions to preservation check:  Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*if yes look in headdress column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 25Apr2018
	Document No.: <b>F-GB-C-031-Rev.07</b>	Issuing Authority: Pace Green Bay Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

**Client Name:** Seymour Env.  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

**WO# : 40204300**



40204300

**Tracking #:** \_\_\_\_\_  
**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 - N/A    **Type of Ice:** Wet  Blue  Dry  None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: RDT / Corr: \_\_\_\_\_  
**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

**Person examining contents:**  
 Date: 3-6-20  
 Initials: FW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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: _____
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	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.
-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	
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.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>	<u>001 - time 11:15; 002 - time 11:30</u> <u>003 - time 11:50</u>	<u>3620</u> <u>8J</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

**Client Notification/ Resolution:** \_\_\_\_\_    If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

**Project Manager Review:** As for Dom    **Date:** 3/6/2020

## **APPENDIX D**

### **SOIL DISPOSAL MANIFESTS**

N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940538	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FREI OIL			7/1/19 3:36 pm	7/1/19 3:46 pm

CONTRACT: GRL 19031B BOL: 168473		GROSS	62,860.00LBS	Scale In			
		TARE	29,740.00LBS	Scale Out			
		NET	33,120.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
16.56	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

SIGNATURE: \_\_\_\_\_

CUSTOMER COPY

GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940497	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/1/19 2:10 pm	7/1/19 2:17 pm

CONTRACT: GRL 19031B BOL: 168474		GROSS	77,260.00LBS	Scale In			
		TARE	29,700.00LBS	Scale Out			
		NET	47,560.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.78	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

SIGNATURE: \_\_\_\_\_

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N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940483	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER OIL			7/1/19 1:31 pm	7/1/19 1:38 pm

CONTRACT: GRL 19031B BOL: 168472		GROSS 66,460.00LBS Scale In TARE 29,720.00LBS Scale Out NET 36,740.00 LBS	ORIGIN	%	RATE	TAX	TOTAL
18.37	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
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 Check#  
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GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940466	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/1/19 12:50 pm	7/1/19 1:00 pm

CONTRACT: GRL 19031B BOL: 168471		GROSS 66,220.00LBS Scale In TARE 29,740.00LBS Scale Out NET 36,480.00 LBS	ORIGIN	%	RATE	TAX	TOTAL
18.24	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 Check#  
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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940452	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/1/19 12:07 pm	7/1/19 12:15 pm

CONTRACT: GRL 19031B BOL: 168470		GROSS 69,220.00LBS Scale In					
		TARE 29,760.00LBS Scale Out					
		NET 39,460.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.73	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940438	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/1/19 11:26 am	7/1/19 11:34 am

CONTRACT: GRL 19031B BOL: 168469		GROSS 71,300.00LBS Scale In					
		TARE 29,760.00LBS Scale Out					
		NET 41,540.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.77	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940420	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/1/19 10:46 am	7/1/19 10:56 am

CONTRACT: GRL 19031B BOL: 168468		GROSS	66,760.00LBS	Scale In			
		TARE	29,800.00LBS	Scale Out			
		NET	36,960.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.48	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			
1.00	EA	Profiling Fee		0.00			

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Total  
 Paid  
 Change  
 Check#  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940517	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_7				
REFERENCE			IN	OUT
WD NAVIS FORMER FRIER OIL			7/1/19 2:51 pm	7/1/19 3:00 pm

CONTRACT: GRL 19031B BOL: 168475		GROSS	62,920.00LBS	Scale In			
		TARE	29,720.00LBS	Scale Out			
		NET	33,200.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
16.60	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940774</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 3:19 pm	7/2/19 3:33 pm

CONTRACT: GRL 19031B BOL: 168500		GROSS 72,320.00LBS Scale In TARE 28,760.00LBS Scale Out NET 43,560.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.78	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940706</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 12:52 pm	7/2/19 1:02 pm

CONTRACT: GRL 19031B BOL: 168491		GROSS 75,180.00LBS Scale In TARE 28,140.00LBS Scale Out NET 47,040.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.52	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940595</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 7:34 am	7/2/19 7:45 am

CONTRACT: GRL 19031B BOL: 168478		GROSS	72,140.00LBS	Scale In			
		TARE	29,620.00LBS	Scale Out			
		NET	42,520.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.26	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
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 Check#  
 Recpt #

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940661</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FREI OIL			7/2/19 11:16 am	7/2/19 11:26 am

CONTRACT: GRL 19031B BOL: 168486		GROSS	72,800.00LBS	Scale In			
		TARE	28,580.00LBS	Scale Out			
		NET	44,220.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.11	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
 Change  
 Check#  
 Recpt #

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HORICON, WI 53032  
9203870987

009411  
SEYMOUR ENVIRONMENTAL SERVICE  
2531 DRYESON ROAD  
MC FARLAND, WI 53558

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940784	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 3:51 pm	7/2/19 4:02 pm

CONTRACT: GRL 19031B  
BOL: 168501

GROSS 68,160.00LBS Scale In  
TARE 30,780.00LBS Scale Out  
NET 37,380.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.69	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
Paid  
Change  
Check#  
Recpt #

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N7296 HIGHWAY V  
HORICON, WI 53032  
9203870987

009411  
SEYMOUR ENVIRONMENTAL SERVICE  
2531 DRYESON ROAD  
MC FARLAND, WI 53558

INVOICE  
INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940767	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 3:05 pm	7/2/19 3:20 pm

CONTRACT: GRL 19031B  
BOL: 168499

GROSS 75,200.00LBS Scale In  
TARE 32,180.00LBS Scale Out  
NET 43,020.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.51	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
Paid  
Change  
Check#  
Recpt #

SIGNATURE: \_\_\_\_\_

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940746	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 2:20 pm	7/2/19 2:33 pm

CONTRACT: GRL 19031B  
 BOL: 168497

GROSS 74,240.00LBS Scale In  
 TARE 31,180.00LBS Scale Out  
 NET 43,060.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.53	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
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 Check#  
 Recpt #

SIGNATURE: \_\_\_\_\_

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940726	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 1:41 pm	7/2/19 1:51 pm

CONTRACT: GRL 19031B  
 BOL: 168495

GROSS 74,360.00LBS Scale In  
 TARE 31,060.00LBS Scale Out  
 NET 43,300.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.65	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
 Change  
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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940711	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 1:11 pm	7/2/19 1:11 pm

CONTRACT: GRL 19031B  
 BOL: 168492

GROSS 75,160.00LBS Manual In  
 TARE 30,900.00LBS Manual Out  
 NET 44,260.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.13	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
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 N7296 HIGHWAY V  
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 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940690	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 12:18 pm	7/2/19 12:27 pm

CONTRACT: GRL 19031B  
 BOL: 168489

GROSS 66,560.00LBS Scale In  
 TARE 31,060.00LBS Scale Out  
 NET 35,500.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
17.75	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
 Change  
 Check#  
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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940668	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 11:33 am	7/2/19 11:47 am

CONTRACT: GRL 19031B BOL: 168487		GROSS	74,480.00LBS	Scale In			
		TARE	30,780.00LBS	Scale Out			
		NET	43,700.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.85	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940656	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 10:45 am	7/2/19 11:02 am

CONTRACT: GRL 19031B BOL: 168484		GROSS	69,740.00LBS	Scale In			
		TARE	30,460.00LBS	Scale Out			
		NET	39,280.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.64	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940639</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 10:02 am	7/2/19 10:17 am

CONTRACT: GRL 19031B BOL: 168482				GROSS	65,680.00LBS	Scale In		
				TARE	30,100.00LBS	Scale Out		
				NET	35,580.00 LBS			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
17.79	TN	C-Soil/34D@, Pet-Fuel Oil		0.00				

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
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 Check#  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940604</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 8:12 am	7/2/19 8:26 am

CONTRACT: GRL 19031B BOL: 168480				GROSS	78,880.00LBS	Scale In		
				TARE	30,180.00LBS	Scale Out		
				NET	48,700.00 LBS			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
24.35	TN	C-Soil/34D@, Pet-Fuel Oil		0.00				

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
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 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940594	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FRIER OIL			7/2/19 7:28 am	7/2/19 7:41 am

CONTRACT: GRL 19031B		GROSS 71,840.00LBS Scale In					
BOL: 168477		TARE 30,840.00LBS Scale Out					
		NET 41,000.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.50	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940723</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 3				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 1:29 pm	7/2/19 1:44 pm

CONTRACT: GRL 19031B BOL: 168494			GROSS	71,720.00LBS	Scale In		
			TARE	29,420.00LBS	Scale Out		
			NET	42,300.00 LBS			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.15	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

**SIGNATURE:** \_\_\_\_\_

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N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940788</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 3:57 pm	7/2/19 4:07 pm

CONTRACT: GRL 19031B  
 BOL: 168502

GROSS 68,780.00LBS Scale In  
 TARE 31,040.00LBS Scale Out  
 NET 37,740.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.87	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
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GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940747</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FRIE OIL			7/2/19 2:25 pm	7/2/19 2:34 pm

CONTRACT: GRL 19031B  
 BOL: 168498

GROSS 76,120.00LBS Scale In  
 TARE 31,200.00LBS Scale Out  
 NET 44,920.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.46	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
 Change  
 Check#  
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N7296 HIGHWAY V  
 HORIZON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940730</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 1:48 pm	7/2/19 1:56 pm

CONTRACT: GRL 19031B		GROSS 73,960.00LBS Scale In					
BOL: 168496		TARE 30,640.00LBS Scale Out					
		NET 43,320.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.66	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
 Paid  
 Change  
 Check#  
 Recept #

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 N7296 HIGHWAY V  
 HORIZON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940713</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 1:14 pm	7/2/19 1:15 pm

CONTRACT: GRL 19031B		GROSS 72,600.00LBS Manual In					
BOL: 168493		TARE 31,400.00LBS Scale Out					
		NET 41,200.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.60	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total  
 Paid  
 Change  
 Check#  
 Recept #

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940694	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 12:22 pm	7/2/19 12:33 pm

CONTRACT: GRL 19031B  
 BOL: 168490

GROSS 68,360.00LBS Scale In  
 TARE 31,680.00LBS Scale Out  
 NET 36,680.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.34	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940672	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 11:43 am	7/2/19 11:53 am

CONTRACT: GRL 19031B  
 BOL: 168488

GROSS 73,200.00LBS Scale In  
 TARE 31,300.00LBS Scale Out  
 NET 41,900.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.95	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940657	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 11:06 am	7/2/19 11:14 am

CONTRACT: GRL 19031B BOL: 168485		GROSS 73,900.00LBS Scale In TARE 31,160.00LBS Scale Out NET 42,740.00 LBS	ORIGIN	%	RATE	TAX	TOTAL
QTY	UNIT	DESCRIPTION		0.00			
21.37	TN	C-Soil/34D@, Pet-Fuel Oil					

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
~~9203870987~~

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940650	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FREI OIL			7/2/19 10:26 am	7/2/19 10:35 am

CONTRACT: GRL 19031B BOL: 168483		GROSS 64,900.00LBS Scale In TARE 30,740.00LBS Scale Out NET 34,160.00 LBS	ORIGIN	%	RATE	TAX	TOTAL
QTY	UNIT	DESCRIPTION		0.00			
17.08	TN	C-Soil/34D@, Pet-Fuel Oil					

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 HOPICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940632</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 9:42 am	7/2/19 9:54 am

CONTRACT: GRL 19031B BOL: 168481		GROSS	66,120.00LBS	Scale In			
		TARE	31,460.00LBS	Scale Out			
		NET	34,660.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
17.33	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HIGHWAY V  
 HOPICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940590</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 7:21 am	7/2/19 7:33 am

CONTRACT: GRL 19031B BOL: 168476		GROSS	73,740.00LBS	Scale In			
		TARE	30,060.00LBS	Scale Out			
		NET	43,680.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.84	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 Recept #

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WISCONSIN HIGHWAY V  
 HORICON, WI 53032  
 6083870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 1531 DRYESON ROAD  
 WISCONSIN FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940601	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/2/19 8:02 am	7/2/19 8:14 am

CONTRACT: GRL 19031B  
 BOL: 168479

GROSS 81,680.00LBS Scale In  
 TARE 30,720.00LBS Scale Out  
 NET 50,960.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
25.48	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		941010	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 2:45 pm	7/3/19 3:00 pm

CONTRACT: GRL 19031B		GROSS 66,060.00LBS Scale In					
BOL: _____		TARE 30,120.00LBS Scale Out					
		NET 35,940.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
17.97	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
 Recpt #

SIGNATURE: \_\_\_\_\_

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GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940991	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORM FREI OIL			7/3/19 2:08 pm	7/3/19 2:17 pm

CONTRACT: GRL 19031B		GROSS 74,100.00LBS Scale In					
BOL: 168531		TARE 30,140.00LBS Scale Out					
		NET 43,960.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.98	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
 Paid  
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 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940971	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 1:31 pm	7/3/19 1:40 pm

CONTRACT: GRL 19031B  
 BOL: 168528

GROSS 76,380.00LBS Scale In  
 TARE 30,160.00LBS Scale Out  
 NET 46,220.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.11	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
 Recpt #

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940957	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
TICKET 168526			7/3/19 12:50 pm	7/3/19 1:01 pm

CONTRACT: GRL 19031B  
 BOL:

GROSS 71,640.00LBS Scale In  
 TARE 30,140.00LBS Scale Out  
 NET 41,500.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.75	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
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 Check#  
 Recpt #

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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

SITE	CELL	TICKET #	OPERATOR	
E6		940945	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 12:11 pm	7/3/19 12:21 pm

INVOICE  
 INBOUND

CONTRACT: GRL 19031B BOL: 168524		GROSS	69,220.00LBS	Scale In			
		TARE	30,180.00LBS	Scale Out			
		NET	39,040.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.52	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

SITE	CELL	TICKET #	OPERATOR	
E6		940928	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 11:34 am	7/3/19 11:43 am

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 INBOUND

CONTRACT: GRL 19031B BOL: 168523		GROSS	75,280.00LBS	Scale In			
		TARE	30,200.00LBS	Scale Out			
		NET	45,080.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.54	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940911</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WB NAVIS FORMER FREI OIL			7/3/19 10:54 am	7/3/19 11:05 am

CONTRACT: GRL 19031B BOL: 168520		GROSS	73,680.00LBS	Scale In			
		TARE	30,240.00LBS	Scale Out			
		NET	43,440.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.72	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940893</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 10:05 am	7/3/19 10:21 am

CONTRACT: GRL 19031B BOL: 168515		GROSS	72,820.00LBS	Scale In			
		TARE	30,260.00LBS	Scale Out			
		NET	42,560.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.28	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940875</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER OIL			7/3/19 9:31 am	7/3/19 9:40 am

CONTRACT: GRL 19031B BOL: 168518		GROSS	75,640.00LBS	Scale In			
		TARE	30,320.00LBS	Scale Out			
		NET	45,320.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.66	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

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Total  
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 Check#  
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 N7296 HIGHWAY V  
 HORIZON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940860</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WB NAVIS FROMER FREI OIL			7/3/19 8:48 am	7/3/19 9:00 am

CONTRACT: GRL 19031B BOL: 168512		GROSS	70,060.00LBS	Scale In			
		TARE	30,300.00LBS	Scale Out			
		NET	39,760.00 LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.88	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
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 WI 53032  
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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940849	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 8:05 am	7/3/19 8:19 am

CONTRACT: GRL 19031B BOL: 168509		GROSS 67,180.00LBS Scale In TARE 30,320.00LBS Manual Out NET 36,860.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.43	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total  
 Paid  
 Change  
 Check#  
 Recpt #

**SIGNATURE:** \_\_\_\_\_

**CUSTOMER COPY**

GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940833	DSSellnow	
TRUCK		CONTAINER	LICENSE	
BROZEK17				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:16 am	7/3/19 7:35 am

CONTRACT: GRL 19031B BOL: 168504		GROSS 63,620.00LBS Scale In TARE 30,440.00LBS Scale Out NET 33,180.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
16.59	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
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 HOBICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940834</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:23 am	7/3/19 7:43 am

CONTRACT: GRL 19031B  
 BOL: 168506

GROSS 68,160.00LBS Scale In  
 TARE 28,040.00LBS Scale Out  
 NET 40,120.00LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.06	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>941006</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 2:43 pm	7/3/19 2:52 pm

CONTRACT: GRL 19031B BOL: 168533				GROSS	75,660.00LBS	Scale In			
				TARE	31,520.00LBS	Scale Out			
				NET	44,140.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL		
22.07	TN	C-Soil/34D@, Pet-Fuel Oil		0.00					

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 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940990</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 2:05 pm	7/3/19 2:15 pm

CONTRACT: GRL 19031B BOL: 168530				GROSS	77,140.00LBS	Scale In			
				TARE	31,440.00LBS	Scale Out			
				NET	45,700.00LBS				
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL		
22.85	TN	C-Soil/34D@, Pet-Fuel Oil		0.00					

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 HORICON, WI 53032  
 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940969	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVISFORMER FREI OIL			7/3/19 1:26 pm	7/3/19 1:36 pm

CONTRACT: GRL 19031B BOL: 168527			GROSS	80,540.00LBS	Scale In		
			TARE	31,440.00LBS	Scale Out		
			NET	49,100.00LBS			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
24.55	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940954	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 12:46 pm	7/3/19 12:55 pm

CONTRACT: GRL 19031B BOL: 168525			GROSS	73,420.00LBS	Scale In		
			TARE	31,420.00LBS	Scale Out		
			NET	42,000.00 LBS			
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.00	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940937</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 11:58 am	7/3/19 12:10 pm

CONTRACT: GRL 19031B  
 BOL: 168522

GROSS 74,180.00LBS Scale In  
 TARE 31,580.00LBS Scale Out  
 NET 42,600.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.30	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940904</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 10:35 am	7/3/19 10:47 am

CONTRACT: GRL 19031B  
 BOL: 168519

GROSS 76,440.00LBS Scale In  
 TARE 31,300.00LBS Scale Out  
 NET 45,140.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.57	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940920</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 11:16 am	7/3/19 11:26 am

CONTRACT: GRL 19031B BOL: 168521		GROSS 71,780.00LBS Scale In TARE 31,320.00LBS Scale Out NET 40,460.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.23	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940885</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 9:57 am	7/3/19 10:06 am

CONTRACT: GRL 19031B BOL: 168516		GROSS 71,460.00LBS Scale In TARE 31,380.00LBS Scale Out NET 40,080.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.04	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940866	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 9:17 am	7/3/19 9:27 am

CONTRACT: GRL 19031B  
 BOL: 168513

GROSS 71,100.00LBS Scale In  
 TARE 31,260.00LBS Scale Out  
 NET 39,840.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.92	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
 Paid  
 Change  
 Check#  
 Recept #

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940855	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 8:38 am	7/3/19 8:49 am

CONTRACT: GRL 19031B  
 BOL: 168510

GROSS 68,080.00LBS Scale In  
 TARE 31,080.00LBS Scale Out  
 NET 37,000.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.50	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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Total  
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 Change  
 Check#  
 Recept #

SIGNATURE: \_\_\_\_\_

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N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940845	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:56 am	7/3/19 8:08 am

CONTRACT: GRL 19031B		GROSS 65,520.00LBS Scale In					
BOL: 168507		TARE 31,100.00LBS Scale Out					
		NET 34,420.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
17.21	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940827	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD 2				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:06 am	7/3/19 7:28 am

CONTRACT: GRL 19031B		GROSS 72,500.00LBS Scale In					
BOL: 168503		TARE 31,160.00LBS Scale Out					
		NET 41,340.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.67	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		941012	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
FORMER FREI OIL			7/3/19 2:58 pm	7/3/19 3:06 pm

CONTRACT: GRL 19031B  
 BOL: 168535

GROSS 70,180.00LBS Scale In  
 TARE 30,040.00LBS Scale Out  
 NET 40,140.00LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.07	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

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 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940997	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 2:20 pm	7/3/19 2:31 pm

CONTRACT: GRL 19031B  
 BOL: 168532

GROSS 77,320.00LBS Scale In  
 TARE 30,060.00LBS Scale Out  
 NET 47,260.00LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.63	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940857</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 8:47 am	7/3/19 8:56 am

CONTRACT: GRL 19031B		GROSS 68,400.00LBS Scale In					
BOL: 168511		TARE NET 31,640.00LBS Scale Out					
		36,760.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.38	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940978</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 1:44 pm	7/3/19 1:53 pm

CONTRACT: GRL 19031B		GROSS 78,220.00LBS Scale In					
BOL: 168529		TARE NET 30,100.00LBS Scale Out					
		48,120.00 LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
24.06	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940962</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 1:07 pm	7/3/19 1:17 pm

CONTRACT: GRL 19031B  
 BOL: 168517

GROSS 71,780.00LBS Scale In  
 TARE 30,080.00LBS Scale Out  
 NET 41,700.00LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.85	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 9203870987

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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		<b>940870</b>	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_6				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 9:24 am	7/3/19 9:35 am

CONTRACT: GRL 19031B  
 BOL: 168514

GROSS 72,640.00LBS Scale In  
 TARE 31,640.00LBS Scale Out  
 NET 41,000.00LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.50	TN	C-Soil/34D@, Pet-Fuel Oil		0.00			

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 9203870987

009411  
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 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940847	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:59 am	7/3/19 8:13 am

CONTRACT: GRL 19031B BOL: 168508		GROSS	65,120.00LBS	Scale In				
		TARE	31,560.00LBS	Manual Out				
		NET	33,560.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
16.78	TN	C-Soil/34D@, Pet-Fuel Oil		0.00				

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GLACIER RIDGE LANDFILL  
 N7296 HIGHWAY V  
 HORICON, WI 53032  
 9203870987

009411  
 SEYMOUR ENVIRONMENTAL SERVICE  
 2531 DRYESON ROAD  
 MC FARLAND, WI 53558

INVOICE  
 INBOUND

SITE	CELL	TICKET #	OPERATOR	
E6		940829	DSSellnow	
TRUCK		CONTAINER	LICENSE	
WD_8				
REFERENCE			IN	OUT
WD NAVIS FORMER FREI OIL			7/3/19 7:15 am	7/3/19 7:29 am

CONTRACT: GRL 19031B BOL: 168505		GROSS	63,860.00LBS	Scale In				
		TARE	31,560.00LBS	Scale Out				
		NET	32,300.00LBS					
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
16.15	TN	C-Soil/34D@, Pet-Fuel Oil		0.00				

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 Recpt #

SIGNATURE: \_\_\_\_\_

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