

June 8, 2020



CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

Wisconsin Department of Natural Resources

Attn: Ms. Carrie Stoltz
107 Sutliff Avenue
Rhineland, WI 54501



Subject:

Update Report
Hoffman Corners
SW Corner of Main Street and Gandy Dancer Trail
Webster, WI
BRRTS #03-07-000115
PECFA #54893-9999-00

Dear Ms. Stoltz:

Enclosed is the Soil Excavation Report for the above-mentioned site. REI has completed the approved soil excavation. Since there is no documented petroleum related groundwater contamination, REI is recommending that this investigation be directed to the WDNR case closure review process.

Please call me with questions or comments toll free at 877-734-7745 or contact me electronically at dlarsen@reiengineering.com.

Sincerely,
REI Engineering, Inc.

David N. Larsen P.G.
Senior Hydrogeologist/Project Manager

Enclosure (A/S)

cc: Burnett County, Attn: Mr. Nathan Ehalt, 7410 County Road K, #116, Siren, WI 54872



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4080 N. 20th Avenue Wausau, WI 54401
715-675-9784 REIengineering.com



REI

**CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING**

UPDATE REPORT

**HOFFMAN CORNERS
WEBSTER, WISCONSIN**

**BRRTS #03-07-000115
PECFA #54893-9999-00
REI PROJECT #6958**



**COMPREHENSIVE
SERVICES WITH
PRACTICAL
SOLUTIONS**



UPDATE REPORT

HOFFMAN CORNERS

**SW CORNER OF MAIN STREET AND GANDY DANCER TRAIL
WEBSTER, WI 54893**

BRRTS #03-07-000115

PECFA #54893-9999-00

REI #6958



PREPARED FOR:

**Burnett County
Attn: Mr. Nathan Ehalt
7410 Cty Road K, #116
Siren, WI 54872**

JUNE 2020

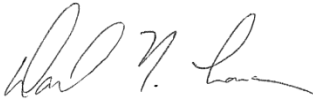
UPDATE REPORT

**HOFFMAN CORNERS
SW CORNER OF MAIN STREET AND GANDY DANCER TRAIL
WEBSTER, WI 54893**

**BRRTS #03-07-000115
PECFA #54893-9999-00
REI #6958**

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.

"I, David N. Larsen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of Ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of Ch. GHSS 3, Wis. Admn. Code, and that to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Hydrogeologist

June 8, 2020
Date

"I, Brian J. Bailey, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Environmental Scientist

June 8, 2020
Date

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UPDATE REPORT

HOFFMAN CORNERS SW CORNER OF MAIN STREET AND GANDY DANCER TRAIL WEBSTER, WI 54893

**BRRTS #03-07-000115
PECFA #54893-9999-00
REI #6958**

1.0 INTRODUCTION

The Hoffman Corners site is located in the SE ¼ of the SE ¼ of Section 08, Township 39 North, Range 16 West, in the Village of Webster, Burnett County, Wisconsin (Figure 1). The site is located at the SW corner of Main and Gandy Dancer Trail, Webster, Wisconsin 54893. Wisconsin Transverse Mercator (WTM) coordinates are 336133, 603146. A site map documenting previous investigative site work is included in Figure 2.

2.0 SITE BACKGROUND AND HISTORY

The Hoffman Corners site had operated a bulk fueling facility on the property (leased from the railroad) for many years. This report presents the results of a remedial soil excavation performed at the Hoffman Corners site in Webster, Wisconsin. The Village of Webster had a large pile of street sweepings located on the subject property. Those sweepings were tested and used as backfill for the May 2020 soil excavation, with WDNR consent. The only stipulation is that the material had to be placed no shallower than four (4) feet in the completed excavation.

3.0 SUMMARY OF WORK

3.1 Monitoring Well Abandonment

None of the wells sampled as part of the investigation were officially transferred to this investigation from the Webster VOC Contamination (02-07-000337) site. As such, no well abandonments were required.

3.2 Excavation and Removal of Contaminated Soils

On May 18-20, 2020, REI was on site to oversee the excavation of petroleum impacted soils from the former Hoffman Corners site. The soil excavation was intended to remove the majority of the petroleum impacted soil identified at the site and reduce the potential for contaminant loading from the soil to the groundwater through source removal. DKS Construction Services, Inc. of Menomonie, WI was subcontracted to complete the excavation and hauling.

The soil excavation was completed to a maximum depth of approximately eight (8) feet bls. The area of the completed soil excavation is presented in Figure 3. A total of 2,780.01 tons of petroleum impacted soil was removed from the site and hauled to the Republic Services Lake Area Landfill in Sarona, WI for final treatment and disposal. A copy of the landfill scale data documenting soil disposal is included in Appendix A. Photographs of the soil excavation are included in Appendix B.

The completed soil excavation was backfilled with granular material and compacted to a depth of approximately eight (8) inches bls. Gravel was used as final cover over the majority of the soil excavation, with topsoil covering the remainder.

3.3 Confirmatory Soil Analytical Results

During the excavation activities, soil samples were field screened with a RAE photo ionization detector (PID) equipped with a 10.6 eV lamp for the presence of total organic vapors. PID results aided in determining the final extent and direction of the completed soil excavation. Thirty-six (36) soil samples were collected from the bottom and sidewalls of the excavation for field screening with the PID. A total of thirty-two (32) select soil samples were collected and analyzed for Petroleum Volatile Organic Compounds (PVOC's) and naphthalene at Pace Analytical Services, Green Bay, Wisconsin. Table 1 summarizes the laboratory analytical results from the thirty-two (32) soil samples collected for laboratory analysis during the soil excavation activities. Table 2 presents a summary of PID screening results. Table 2 includes PID field screening results for both the confirmation soil sample (CSS) locations and stand-alone PID field screening locations (A-C) samples, along with sample collection depth. The

soil laboratory analytical reports from the soil excavation are presented in Appendix C. Figure 3 documents the locations of the confirmatory soil samples taken during the excavation.

Following the completion of the soil excavation, residual soil contamination concentrations remain in excess of the allowable NR 720 Non-Industrial Not to Exceed Direct Contact RCL at confirmation soil sample CSS#10, collected at a depth of four (4) feet. Confirmation soil samples CSS#13 and CSS#14, collected at a depth of seven (7) feet bls, did report concentrations greater than the NR 140 Groundwater Pathway Protection values established for petroleum compounds. All three (3) sample locations were adjacent to Main Street and could not be excavated further. Soil sample CSS#14 was bound by Main Street, MW1 and an abandoned culvert.

Depth to groundwater at the site has historically been measured at a depth greater than thirty (30) feet bls. Groundwater analytical results from the monitoring well network has been non detect for all analyzed parameters. This suggests that the residual soil contamination has not and likely will not reach the water table.

4.0 CONCLUSION AND RECOMMENDATIONS

The former Hoffman Corners site had significant levels of petroleum related soil contamination and no petroleum related groundwater contamination. The completed soil excavation was successful in removing the known areas of petroleum related soil contamination and eliminated the direct contact threat from the shallow soil contamination beneath the former Hoffman Corners site. REI is recommending that this investigation be submitted to the WDNR for case closure review.

**Table 1
Summary of Soil Analytical Results
Soil Excavation
Hoffman Corners
Webster, Wisconsin**

Sampler -->				REI Engineering, Inc.															
Sample ID -->				CSS#1		CSS#2		CSS#3		CSS#4		CSS#5		CSS#6		CSS#7		CSS#8	
Date -->				5/18/2020		5/18/2020		5/18/2020	5/19/2020	5/18/2020		5/18/2020		5/18/2020		5/18/2020		5/19/2020	
Sample Depth -->				4		7		4		7		4		7		4		7	
Saturated/Unsaturated				Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Petroleum VOC's (µg/kg)	Non-Industrial	Industrial	NR 140																
	Not-to-Exceed DC RCL	Not-to-Exceed DC RCL	Groundwater Pathway Protection																
Benzene	1,600	7,070	5.1	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
Ethylbenzene	8,020	35,400	1,570	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
Toluene	818,000	818,000	1,107.20	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
Xylenes (Total)	260,000	260,000	3,960	< 50	< 50	< 50	< 50	< 50	< 208	< 50	< 50	< 50	< 400	< 50	< 50	< 50	< 50	< 50	< 73.5
Methyl tert Butyl Ether	63,800	282,000	27	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
1,2,4-Trimethylbenzene	219,000	219,000	NS	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
1,3,5-Trimethylbenzene	182,000	182,000	NS	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
Total Trimethylbenzenes	NS	NS	1,378.70	< 25	< 25	< 25	< 25	< 25	< 104	< 25	< 25	< 25	< 200	< 25	< 25	< 25	< 25	< 25	< 36.8
Naphthalene	5,520	24,100	658.2	< 27.3	< 27.3	< 27.3	< 27.3	< 27.3	< 114	< 27.3	< 27.3	< 27.3	< 218	< 27.3	< 27.3	< 27.3	< 27.3	< 27.3	< 40.1

Sampler -->				REI Engineering, Inc.															
Sample ID -->				CSS#9		CSS#10		CSS#11		CSS#12		CSS#13		CSS#14		CSS#15		CSS#16	
Date -->				5/19/2020		5/19/2020		5/19/2020		5/19/2020		5/19/2020		5/20/2020		5/20/2020			
Sample Depth -->				4		7		4		7		4		7		4		7	
Saturated/Unsaturated				Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	
Petroleum VOC's (µg/kg)	Non-Industrial	Industrial	NR 140																
	Not-To-Exceed DC RCL	Not-To-Exceed DC RCL	Groundwater Pathway Protection (DF=2)																
Benzene	1,600	7,070	5.1	< 25	< 25	< 62.5	< 25.5	< 25.3	< 26	< 25	< 25	< 200	< 50	< 25	< 1,000	< 25	< 25	< 25	< 25
Ethylbenzene	8,020	35,400	1,570	< 25	< 25	284	< 25.5	< 25.3	< 26	< 25	< 25	< 200	975	< 25	17,100	< 25	< 25	< 25	< 25
Toluene	818,000	818,000	1,107.20	< 25	< 25	< 62.5	< 25.5	< 25.3	< 26	< 25	< 25	< 200	< 50	< 25	<i>7,340</i>	< 25	< 25	< 25	< 25
Xylenes (Total)	260,000	260,000	3,960	< 50	< 50	342 ¹	< 51.0	< 50.5	< 52.1	< 50	< 50	< 400	<i>6,250</i>	< 50	<i>131,900</i>	< 50	< 50	< 50	< 50
Methyl tert Butyl Ether	63,800	282,000	27	< 25	< 25	< 62.5	< 25.5	< 25.3	< 26	< 25	< 25	< 200	< 50	< 25	< 1,000	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene	219,000	219,000	NS	< 25	< 25	2,390	< 25.5	< 25.3	< 26	< 25	< 25	< 200	14,300	< 25	95,800	< 25	< 25	< 25	< 25
1,3,5-Trimethylbenzene	182,000	182,000	NS	< 25	< 25	1,280	< 25.5	< 25.3	< 26	< 25	< 25	1,080	5,310	< 25	33,800	< 25	< 25	< 25	< 25
Total Trimethylbenzenes	NS	NS	1,378.70	< 25	< 25	<i>3,670</i>	< 25.5	< 25.3	< 26	< 25	< 25	1,080	<i>19,610</i>	< 25	<i>129,600</i>	< 25	< 25	< 25	< 25
Naphthalene	5,520	24,100	658.2	< 27.3	< 27.3	<i>4,670</i>	< 27.8	< 27.6	< 28.4	< 27.3	< 27.3	< 218	2,340	< 27.3	7,880	< 27.3	< 27.3	< 27.3	< 27.3

Notes:

- NR720 Standards Obtained From WDNR Online Database
- RCL - NR 720 Residual Contaminant Level for Soil
- DC - Direct Contact
- Background Threshold Value
- Exceeds Non-Industrial Not-To-Exceed DC RCL
- Exceeds NR 140 Groundwater Pathway Protection
- Exceeds NR720 Industrial Not-To-Exceed DC RCL
- NS - No Standard
- < - Concentration below listed laboratory detection limit
- NA - Not Analyzed

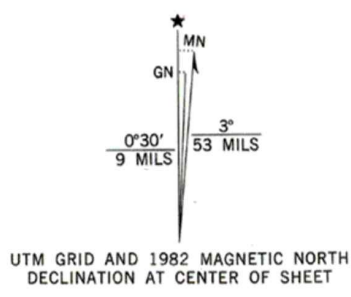
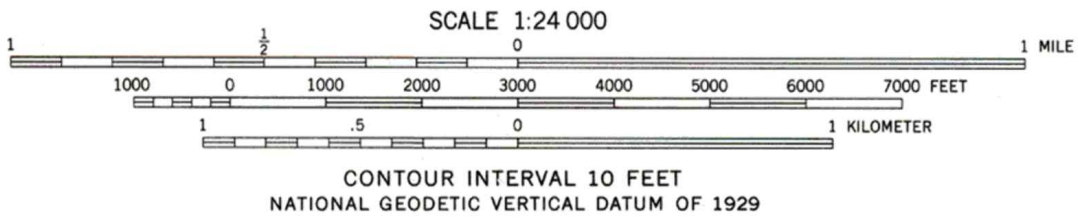
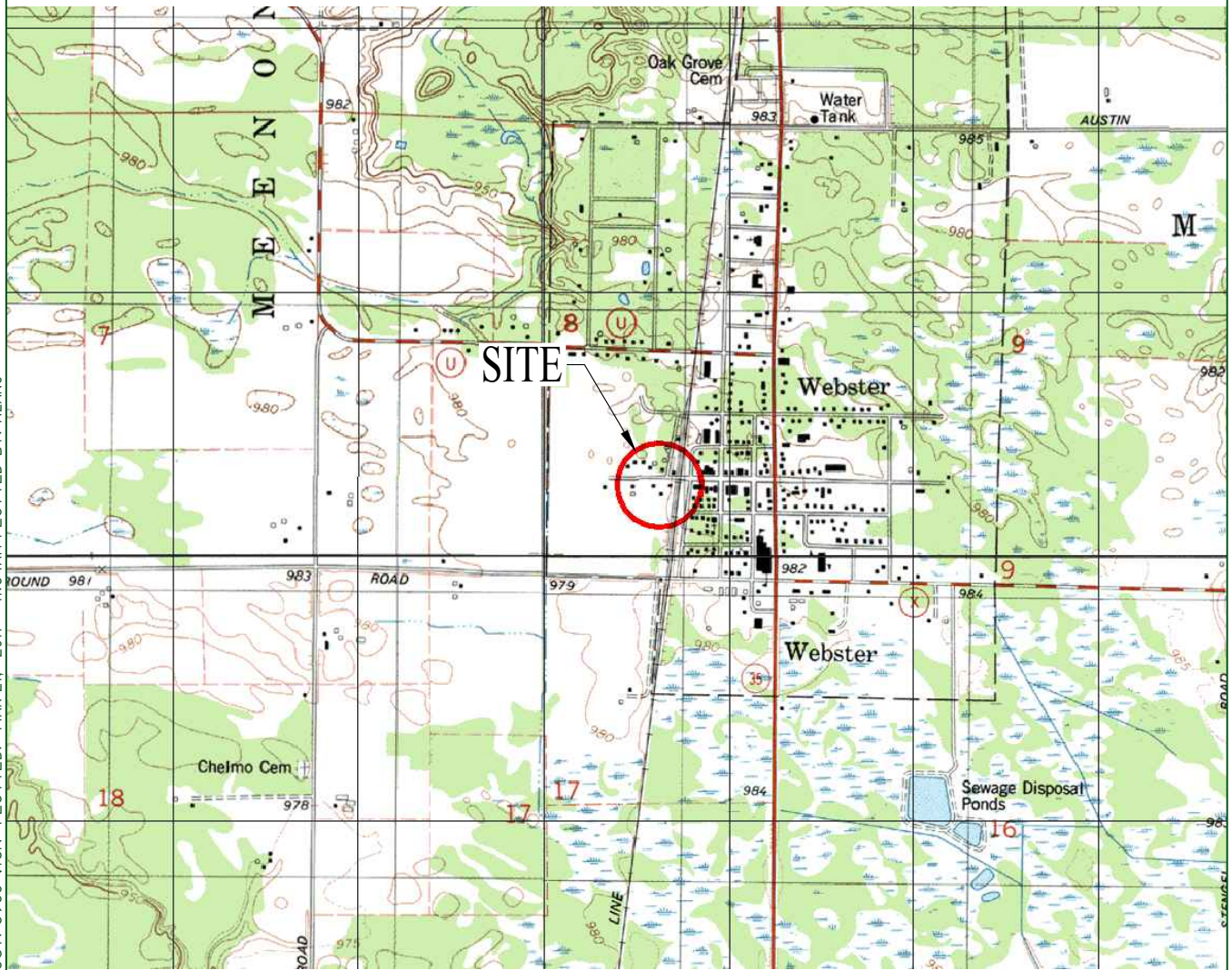
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<i>Italic</i>
<u>Underlined</u>

¹ - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Table 2
Summary of PID Results
Burnett Oil Company
Webster, Wisconsin

Sample	Depth (ft)	PID Result	Sampled	Sample	Depth (ft)	PID Result	Sampled	Sample	Depth (ft)	PID Result
CSS#1	4	0.0	Yes	CSS#9	4	16.2	Yes	A	7	96.2
CSS#1	7	0.0	Yes	CSS#9	7	10.1	Yes	A	8	22.1
CSS#2	4	0.0	Yes	CSS#10	4	0.4	Yes	B	7	17.9
CSS#2	7	0.0	Yes	CSS#10	7	0.3	Yes	C	7	64.0
CSS#3	4	0.4	Yes	CSS#11	4	0.2	Yes	C	8	19.0
CSS#3	7	10.2	Yes	CSS#11	7	0.2	Yes			
CSS#4	4	0.0	Yes	CSS#12	4	1.2	Yes			
CSS#4	7	0.0	Yes	CSS#12	7	2.4	Yes			
CSS#5	4	6.7	Yes	CSS#13	4	129	Yes			
CSS#5	7	0	Yes	CSS#13	7	868	Yes			
CSS#6	4	7	Yes	CSS#14	4	0.1	Yes			
CSS#6	7	0.8	Yes	CSS#14	7	1,470	Yes			
CSS#7	4	2.2	Yes	CSS#15	4	0.0	Yes			
CSS#7	7	1.3	Yes	CSS#15	7	2.5	Yes			
CSS#8	4	0.4	Yes	CSS#16	4	23.1	Yes			
CSS#8	7	0.2	Yes	CSS#16	7	21.7	Yes			

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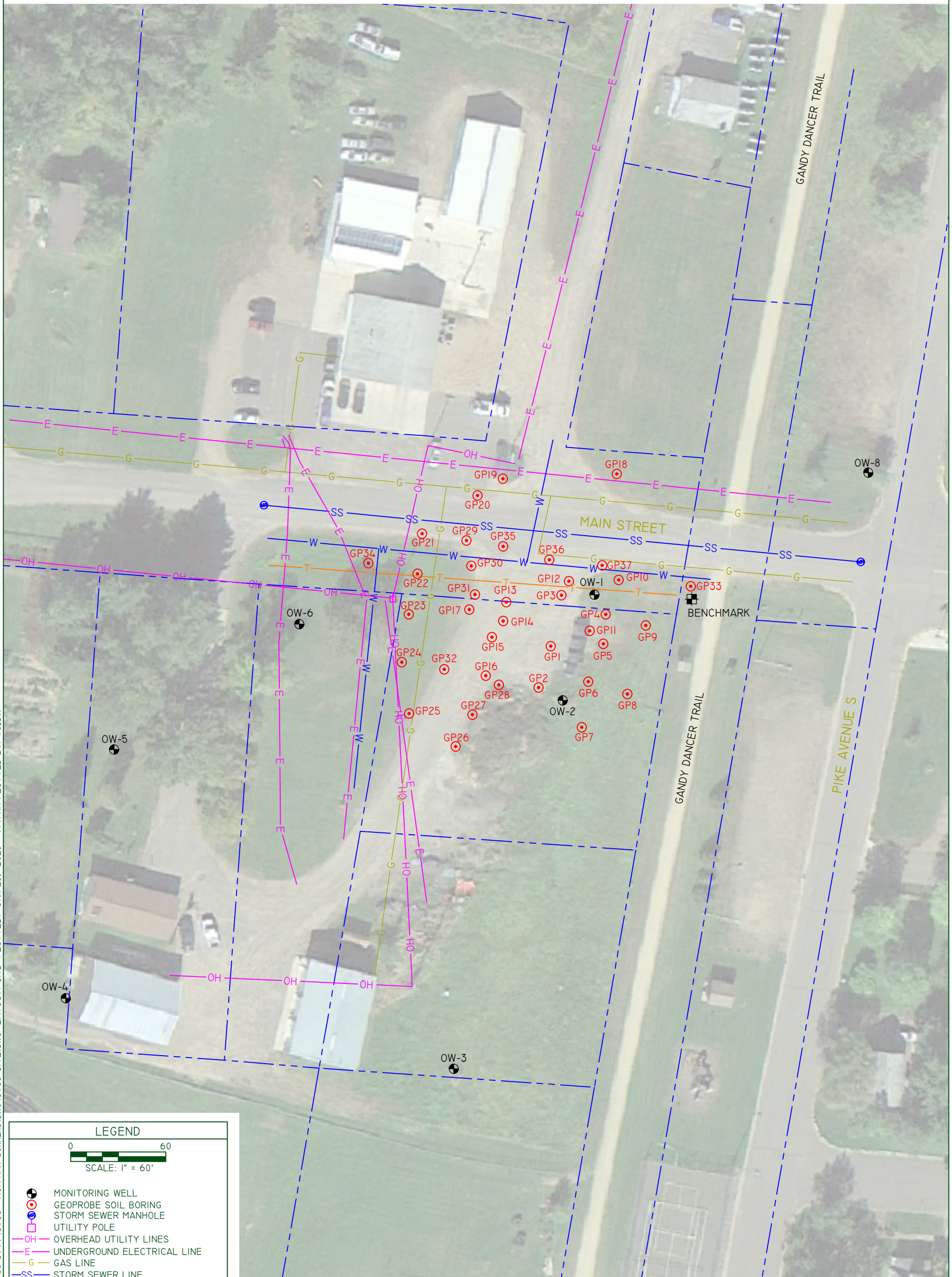
WEBSTER, WIS.
 NE/4 WEBSTER 15' QUADRANGLE
 N4552.5-W9215/7.5
 1982
 DMA 2575 IV NE-SERIES V861



REI Engineering, INC.

FORMER HOFFMAN CORNERS/HOFFMAN OIL
 MAIN STREET AND GANDY DANCER TRAIL
 WEBSTER, WISCONSIN 54893

FIGURE 1 : SITE VICINITY MAP	
PROJECT NO. 6958AxUC	DRAWN BY: AJG
DATE: 3/21/2017	



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LEGEND

0 60
SCALE: 1" = 60'

- MONITORING WELL
- GEOPROBE SOIL BORING
- STORM SEWER MANHOLE
- UTILITY POLE
- OVERHEAD UTILITY LINES
- UNDERGROUND ELECTRICAL LINE
- GAS LINE
- STORM SEWER LINE
- TELEPHONE LINE
- WATER LINE
- PROPERTY LINE APPROXIMATE

REI Engineering, INC.

FORMER HOFFMAN CORNERS / HOFFMAN OIL
MAIN STREET AND GANDY DANCER TRAIL
WEBSTER, WISCONSIN 54893



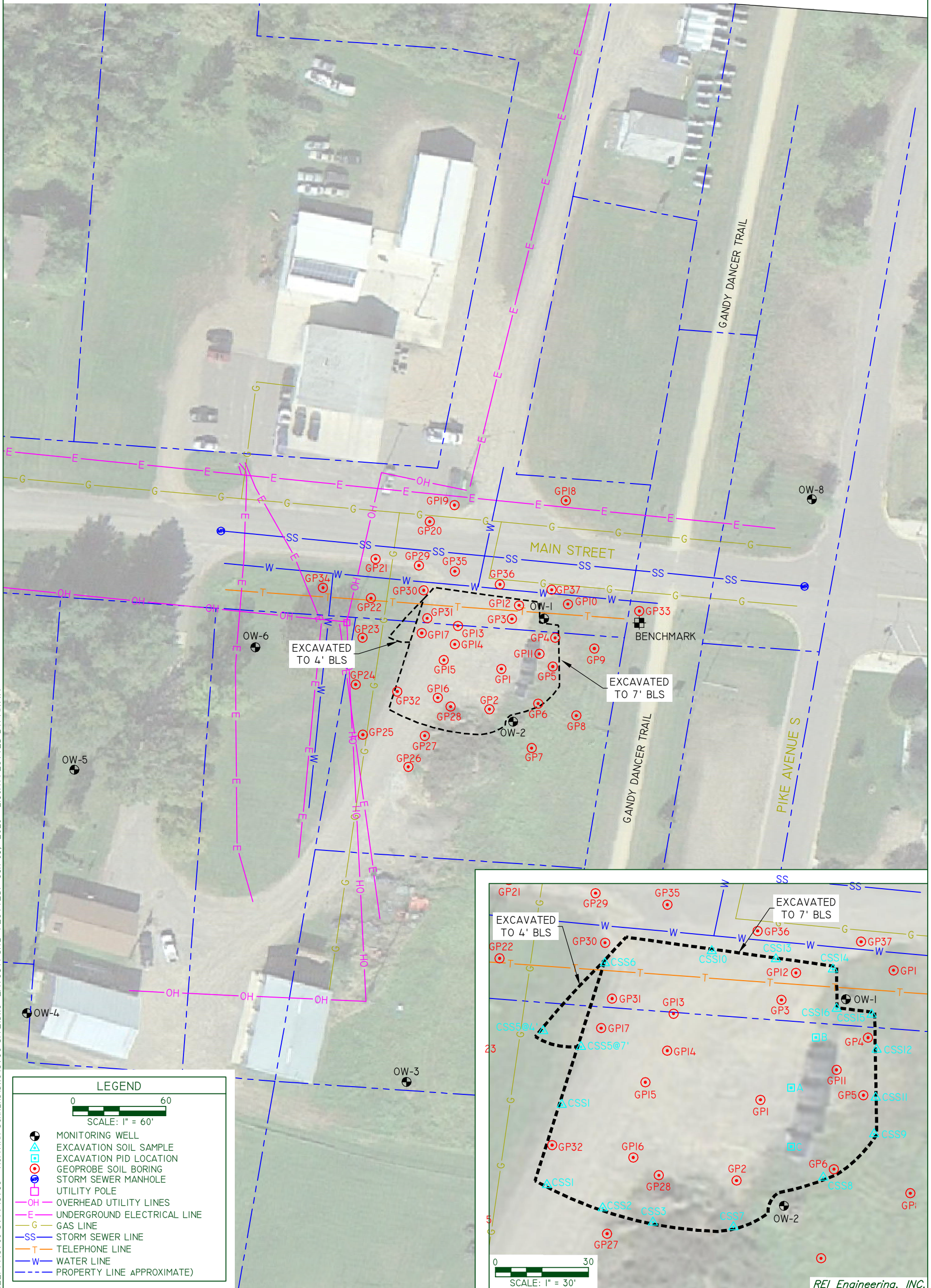
FIGURE 2 : SITE MAP

PROJECT No.
6958AxUC

DRAWN BY:
TAW

DATE:
1/27/2020

DRAWING FILE: P:\6900-6999\6958-SITE.DWG LAYOUT: SITE PLOTTED: JUN 03, 2020 - 2:50PM PLOTTED BY: MATTM



FORMER HOFFMAN CORNERS / HOFFMAN OIL
 MAIN STREET AND GANDY DANCER TRAIL
 WEBSTER, WISCONSIN 54893



FIGURE 3 : SOIL EXCAVATION MAP

PROJECT No.
6958AxUC

DRAWN BY:
MCM

DATE:
6/3/2020

REI Engineering, INC.

APPENDIX A

SOIL DISPOSAL DOCUMENTATION



Detail Contract Activity Report

May 01, 2020 to May 21, 2020
 Facility: LAKE AREA LANDFILL

Ticket Type: SCALE TICKET

Specific Contract(s) : '5134204695'

History and Waiting

* - Confirmed Qty Applied to Billing

5134204695

Ticket Date	Facility & Ticket Number	Customer	Truck	Material	Contract Rate	Billing Quantity
05/18/2020 I 01	1090363	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.52 TN
05/18/2020 I 01	1090364	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.07 TN
05/18/2020 I 01	1090365	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	19.85 TN
05/18/2020 I 01	1090368	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.63 TN
05/18/2020 I 01	1090369	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	20.43 TN
05/18/2020 I 01	1090371	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	19.42 TN
05/18/2020 I 01	1090373	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	20.00 TN
05/18/2020 I 01	1090377	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	23.71 TN
05/18/2020 I 01	1090380	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	21.35 TN
05/18/2020 I 01	1090386	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	21.70 TN
05/18/2020 I 01	1090387	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.43 TN
05/18/2020 I 01	1090390	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	20.94 TN
05/18/2020 I 01	1090391	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	24.49 TN
05/18/2020 I 01	1090394	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	23.64 TN
05/18/2020 I 01	1090396	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	21.77 TN
05/18/2020 I 01	1090418	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	23.94 TN
05/18/2020 I 01	1090421	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.23 TN
05/18/2020 I 01	1090423	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.19 TN
05/18/2020 I 01	1090424	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	19.83 TN
05/18/2020 I 01	1090427	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	23.36 TN
05/18/2020 I 01	1090428	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	23.34 TN
05/18/2020 I 01	1090430	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	20.91 TN
05/18/2020 I 01	1090432	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	20.97 TN
05/18/2020 I 01	1090434	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	21.81 TN
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05/18/2020 I 01	1090449	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	22.07 TN
05/18/2020 I 01	1090451	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	21.97 TN

05/18/2020	I	01	1090452	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	18.89	TN
05/18/2020	I	01	1090465	003848 - DKS Construction Services	HOPKINS1 SW-CONT W/FUEL	16.50	F	21.50	TN
05/18/2020	I	01	1090466	003848 - DKS Construction Services	SUNKISSE SW-CONT W/FUEL	16.50	F	23.13	TN
05/18/2020	I	01	1090469	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	21.99	TN
05/18/2020	I	01	1090473	003848 - DKS Construction Services	DK74 SW-CONT W/FUEL	16.50	F	22.06	TN
05/18/2020	I	01	1090480	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	22.89	TN
05/18/2020	I	01	1090482	003848 - DKS Construction Services	SUNKISSD SW-CONT W/FUEL	16.50	F	24.13	TN
05/18/2020	I	01	1090485	003848 - DKS Construction Services	MODERN7 SW-CONT W/FUEL	16.50	F	21.36	TN
05/18/2020	I	01	1090489	003848 - DKS Construction Services	Sunkissd4: SW-CONT W/FUEL	16.50	F	23.76	TN
05/18/2020	I	01	1090491	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	22.74	TN
05/18/2020	I	01	1090494	003848 - DKS Construction Services	HOPKINS5 SW-CONT W/FUEL	16.50	F	22.39	TN
05/18/2020	I	01	1090498	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	22.48	TN
05/18/2020	I	01	1090505	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	24.04	TN
05/18/2020	I	01	1090516	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	22.66	TN
05/18/2020	I	01	1090519	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	25.50	TN
05/18/2020	I	01	1090522	003848 - DKS Construction Services	HOPKINS5 SW-CONT W/FUEL	16.50	F	20.44	TN
05/18/2020	I	01	1090524	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	22.46	TN
05/18/2020	I	01	1090538	003848 - DKS Construction Services	SUNKISSD SW-CONT W/FUEL	16.50	F	21.59	TN
05/18/2020	I	01	1090542	003848 - DKS Construction Services	HOPKINS1 SW-CONT W/FUEL	16.50	F	19.98	TN
05/18/2020	I	01	1090551	003848 - DKS Construction Services	DK74 SW-CONT W/FUEL	16.50	F	19.88	TN
05/18/2020	I	01	1090558	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	21.01	TN
05/18/2020	I	01	1090562	003848 - DKS Construction Services	SUNKISSD SW-CONT W/FUEL	16.50	F	23.24	TN
05/18/2020	I	01	1090563	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	20.20	TN
05/18/2020	I	01	1090564	003848 - DKS Construction Services	SUNKISSE SW-CONT W/FUEL	16.50	F	21.78	TN
05/18/2020	I	01	1090567	003848 - DKS Construction Services	HOPKINS5 SW-CONT W/FUEL	16.50	F	23.20	TN
05/18/2020	I	01	1090572	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	22.70	TN
05/18/2020	I	01	1090573	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	21.11	TN
05/18/2020	I	01	1090577	003848 - DKS Construction Services	Sunkissd4: SW-CONT W/FUEL	16.50	F	23.87	TN
05/18/2020	I	01	1090580	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	21.62	TN
05/18/2020	I	01	1090581	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	23.24	TN
05/19/2020	I	01	1090586	003848 - DKS Construction Services	STOUT10€ SW-CONT W/FUEL	16.50	F	20.18	TN
05/19/2020	I	01	1090588	003848 - DKS Construction Services	MODERN7 SW-CONT W/FUEL	16.50	F	19.38	TN
05/19/2020	I	01	1090590	003848 - DKS Construction Services	DK74 SW-CONT W/FUEL	16.50	F	19.65	TN
05/19/2020	I	01	1090593	003848 - DKS Construction Services	SUNKISSD SW-CONT W/FUEL	16.50	F	21.80	TN
05/19/2020	I	01	1090594	003848 - DKS Construction Services	SUNKISSE SW-CONT W/FUEL	16.50	F	24.16	TN
05/19/2020	I	01	1090596	003848 - DKS Construction Services	DKSCONS` SW-CONT W/FUEL	16.50	F	23.89	TN
05/19/2020	I	01	1090597	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	23.74	TN
05/19/2020	I	01	1090599	003848 - DKS Construction Services	Sunkissd4: SW-CONT W/FUEL	16.50	F	22.19	TN
05/19/2020	I	01	1090600	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	20.73	TN
05/19/2020	I	01	1090601	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	21.37	TN
05/19/2020	I	01	1090602	003848 - DKS Construction Services	ANTCZAK1 SW-CONT W/FUEL	16.50	F	21.87	TN
05/19/2020	I	01	1090603	003848 - DKS Construction Services	STOUT10€ SW-CONT W/FUEL	16.50	F	20.47	TN

05/19/2020	I	01	1090622	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.55	TN
05/19/2020	I	01	1090626	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	23.88	TN
05/19/2020	I	01	1090628	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.12	TN
05/19/2020	I	01	1090644	003848 - DKS Construction Services	SUNKISSD	SW-CONT W/FUEL	16.50	F	20.12	TN
05/19/2020	I	01	1090649	003848 - DKS Construction Services	sunkissd4	SW-CONT W/FUEL	16.50	F	23.27	TN
05/19/2020	I	01	1090651	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	21.09	TN
05/19/2020	I	01	1090653	003848 - DKS Construction Services	Sunkissd4	SW-CONT W/FUEL	16.50	F	21.49	TN
05/19/2020	I	01	1090656	003848 - DKS Construction Services	SUNKISSE	SW-CONT W/FUEL	16.50	F	21.99	TN
05/19/2020	I	01	1090660	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	20.49	TN
05/19/2020	I	01	1090663	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	21.13	TN
05/19/2020	I	01	1090667	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	22.78	TN
05/19/2020	I	01	1090669	003848 - DKS Construction Services	STOUT10	SW-CONT W/FUEL	16.50	F	23.87	TN
05/19/2020	I	01	1090672	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.29	TN
05/19/2020	I	01	1090673	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	26.01	TN
05/19/2020	I	01	1090683	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.82	TN
05/19/2020	I	01	1090698	003848 - DKS Construction Services	SUNKISSD	SW-CONT W/FUEL	16.50	F	21.89	TN
05/19/2020	I	01	1090701	003848 - DKS Construction Services	sunkissd4	SW-CONT W/FUEL	16.50	F	22.38	TN
05/19/2020	I	01	1090706	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	23.46	TN
05/19/2020	I	01	1090710	003848 - DKS Construction Services	SUNKISSE	SW-CONT W/FUEL	16.50	F	17.79	TN
05/19/2020	I	01	1090711	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	20.67	TN
05/19/2020	I	01	1090712	003848 - DKS Construction Services	Sunkissd4	SW-CONT W/FUEL	16.50	F	23.68	TN
05/19/2020	I	01	1090718	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	23.32	TN
05/19/2020	I	01	1090719	003848 - DKS Construction Services	STOUT10	SW-CONT W/FUEL	16.50	F	20.42	TN
05/19/2020	I	01	1090720	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	23.40	TN
05/19/2020	I	01	1090723	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.32	TN
05/19/2020	I	01	1090731	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	21.10	TN
05/19/2020	I	01	1090732	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	22.40	TN
05/19/2020	I	01	1090766	003848 - DKS Construction Services	sunkissd4	SW-CONT W/FUEL	16.50	F	22.61	TN
05/19/2020	I	01	1090767	003848 - DKS Construction Services	SUNKISSD	SW-CONT W/FUEL	16.50	F	20.55	TN
05/19/2020	I	01	1090774	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	22.73	TN
05/19/2020	I	01	1090778	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	22.07	TN
05/19/2020	I	01	1090780	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	25.97	TN
05/19/2020	I	01	1090781	003848 - DKS Construction Services	STOUT10	SW-CONT W/FUEL	16.50	F	26.28	TN
05/19/2020	I	01	1090783	003848 - DKS Construction Services	ANTCZAK1	SW-CONT W/FUEL	16.50	F	23.07	TN
05/19/2020	I	01	1090784	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	21.90	TN
05/19/2020	I	01	1090787	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	20.96	TN
05/19/2020	I	01	1090788	003848 - DKS Construction Services	Sunkissd4	SW-CONT W/FUEL	16.50	F	25.90	TN
05/19/2020	I	01	1090789	003848 - DKS Construction Services	SUNKISSE	SW-CONT W/FUEL	16.50	F	18.47	TN
05/19/2020	I	01	1090791	003848 - DKS Construction Services	HOPKINS	SW-CONT W/FUEL	16.50	F	25.72	TN
05/20/2020	I	01	1090809	003848 - DKS Construction Services	SUNKISSD	SW-CONT W/FUEL	16.50	F	21.60	TN
05/20/2020	I	01	1090810	003848 - DKS Construction Services	Sunkissd4	SW-CONT W/FUEL	16.50	F	22.97	TN
05/20/2020	I	01	1090811	003848 - DKS Construction Services	SUNKISSE	SW-CONT W/FUEL	16.50	F	23.09	TN

05/20/2020	I	01	1090812	003848 - DKS Construction Services	sunkissd4	SW-CONT W/FUEL	16.50	F	25.06	TN
05/20/2020	I	01	1090814	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	21.09	TN
05/20/2020	I	01	1090830	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	25.32	TN
05/20/2020	I	01	1090832	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	23.43	TN
05/20/2020	I	01	1090842	003848 - DKS Construction Services	SUNKISSD	SW-CONT W/FUEL	16.50	F	23.55	TN
05/20/2020	I	01	1090847	003848 - DKS Construction Services	Sunkissd4	SW-CONT W/FUEL	16.50	F	27.88	TN
05/20/2020	I	01	1090850	003848 - DKS Construction Services	SUNKISSE	SW-CONT W/FUEL	16.50	F	20.53	TN
05/20/2020	I	01	1090852	003848 - DKS Construction Services	sunkissd4	SW-CONT W/FUEL	16.50	F	25.02	TN
05/20/2020	I	01	1090853	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	23.17	TN
05/20/2020	I	01	1090867	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	24.45	TN
05/20/2020	I	01	1090869	003848 - DKS Construction Services	DKSCONS	SW-CONT W/FUEL	16.50	F	24.18	TN

Tickets Reported: 125 Items Reported: 125

Material Summary

Material	Weight		Volume		Count	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
VH - SW-CONT W/FUEL	2,780.01	0.00	0.00	0.00	0.00	0.00

Tickets Reported: 125 Items Reported: 125

Material Summary

Material	Weight		Volume		Count	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
VH - SW-CONT W/FUEL	2,780.01	0.00	0.00	0.00	0.00	0.00

APPENDIX B

SITE PHOTOGRAPHS





White paint marking area of proposed excavation



Soil stockpile. To be used as backfill and placed below four foot depth





Placing and compacting soil stockpile along base of excavation





Old culvert encountered





APPENDIX C

LABORATORY ANALYTICAL REPORT



June 03, 2020

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Dear DAVID LARSEN:

Enclosed are the analytical results for sample(s) received by the laboratory on May 22, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

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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SAMPLE SUMMARY

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40208191001	CSS #1 @ 4	Solid	05/18/20 07:00	05/22/20 09:15
40208191002	CSS #1 @ 7	Solid	05/18/20 07:05	05/22/20 09:15
40208191003	CSS #2 @ 4	Solid	05/18/20 07:10	05/22/20 09:15
40208191004	CSS #2 @ 7	Solid	05/18/20 07:15	05/22/20 09:15
40208191005	CSS #3 @ 4	Solid	05/18/20 07:20	05/22/20 09:15
40208191006	CSS #3 @ 7	Solid	05/19/20 06:50	05/22/20 09:15
40208191007	CSS #4 @ 4	Solid	05/18/20 09:50	05/22/20 09:15
40208191008	CSS #4 @ 7	Solid	05/18/20 09:55	05/22/20 09:15
40208191009	CSS #5 @ 4	Solid	05/18/20 11:25	05/22/20 09:15
40208191010	CSS #5 @ 7	Solid	05/18/20 11:30	05/22/20 09:15
40208191011	CSS #4 @ 4	Solid	05/18/20 13:50	05/22/20 09:15
40208191012	CSS #4 @ 7	Solid	05/18/20 13:55	05/22/20 09:15
40208191013	CSS #7 @ 4	Solid	05/18/20 14:00	05/22/20 09:15
40208191014	CSS #7 @ 7	Solid	05/18/20 14:04	05/22/20 09:15
40208191015	CSS #8 @ 4	Solid	05/19/20 07:00	05/22/20 09:15
40208191016	CSS #8 @ 7	Solid	05/19/20 07:05	05/22/20 09:15
40208191017	CSS #9 @ 4	Solid	05/19/20 11:45	05/22/20 09:15
40208191018	CSS #9 @ 7	Solid	05/19/20 11:50	05/22/20 09:15
40208191019	CSS #10 @ 4	Solid	05/19/20 11:55	05/22/20 09:15
40208191020	CSS #10 @ 7	Solid	05/19/20 12:00	05/22/20 09:15
40208191021	CSS #11 @ 4	Solid	05/19/20 12:05	05/22/20 09:15
40208191022	CSS #11 @ 7	Solid	05/19/20 12:10	05/22/20 09:15
40208191023	CSS #12 @ 4	Solid	05/19/20 15:55	05/22/20 09:15
40208191024	CSS #12 @ 7	Solid	05/19/20 16:00	05/22/20 09:15
40208191025	CSS #13 @ 4	Solid	05/19/20 16:25	05/22/20 09:15
40208191026	CSS #13 @ 7	Solid	05/19/20 16:20	05/22/20 09:15
40208191027	CSS #14 @ 4	Solid	05/19/20 16:35	05/22/20 09:15
40208191028	CSS #14 @ 7	Solid	05/19/20 16:40	05/22/20 09:15
40208191029	CSS #15 @ 4	Solid	05/20/20 08:50	05/22/20 09:15
40208191030	CSS #15 @ 7	Solid	05/20/20 08:55	05/22/20 09:15
40208191031	CSS #16 @ 4	Solid	05/20/20 10:00	05/22/20 09:15
40208191032	CSS #16 @ 7	Solid	05/20/20 10:05	05/22/20 09:15

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SAMPLE ANALYTE COUNT

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40208191001	CSS #1 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191002	CSS #1 @ 7	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191003	CSS #2 @ 4	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191004	CSS #2 @ 7	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191005	CSS #3 @ 4	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191006	CSS #3 @ 7	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191007	CSS #4 @ 4	EPA 8260	MDS	12
		ASTM D2974-87	EMW	1
40208191008	CSS #4 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191009	CSS #5 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191010	CSS #5 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191011	CSS #4 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191012	CSS #4 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191013	CSS #7 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191014	CSS #7 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191015	CSS #8 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191016	CSS #8 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191017	CSS #9 @ 4	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191018	CSS #9 @ 7	EPA 8260	ALD	12
		ASTM D2974-87	EMW	1
40208191019	CSS #10 @ 4	EPA 8260	ALD	12

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SAMPLE ANALYTE COUNT

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40208191020	CSS #10 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191021	CSS #11 @ 4	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191022	CSS #11 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191023	CSS #12 @ 4	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191024	CSS #12 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191025	CSS #13 @ 4	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191026	CSS #13 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191027	CSS #14 @ 4	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191028	CSS #14 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191029	CSS #15 @ 4	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191030	CSS #15 @ 7	ASTM D2974-87	EMW	1
		EPA 8260	ALD	12
40208191031	CSS #16 @ 4	ASTM D2974-87	VGC	1
		EPA 8260	ALD	12
40208191032	CSS #16 @ 7	ASTM D2974-87	VGC	1
		EPA 8260	ALD	12

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #1 @ 4 **Lab ID: 40208191001** Collected: 05/18/20 07:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/28/20 08:00	05/28/20 13:44	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/28/20 08:00	05/28/20 13:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 13:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%	58-145		1	05/28/20 08:00	05/28/20 13:44	1868-53-7	
4-Bromofluorobenzene (S)	89	%	52-137		1	05/28/20 08:00	05/28/20 13:44	460-00-4	
Toluene-d8 (S)	99	%	56-140		1	05/28/20 08:00	05/28/20 13:44	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	32.1	%	0.10	0.10	1		06/02/20 13:41		

Sample: CSS #1 @ 7 **Lab ID: 40208191002** Collected: 05/18/20 07:05 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/26/20 08:45	05/26/20 18:22	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/26/20 08:45	05/26/20 18:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	05/26/20 08:45	05/26/20 18:22	1868-53-7	
4-Bromofluorobenzene (S)	102	%	52-137		1	05/26/20 08:45	05/26/20 18:22	460-00-4	
Toluene-d8 (S)	108	%	56-140		1	05/26/20 08:45	05/26/20 18:22	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.6	%	0.10	0.10	1		06/02/20 13:41		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Sample: CSS #2 @ 4 **Lab ID: 40208191003** Collected: 05/18/20 07:10 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/26/20 08:45	05/26/20 18:45	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/26/20 08:45	05/26/20 18:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 18:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	05/26/20 08:45	05/26/20 18:45	1868-53-7	
4-Bromofluorobenzene (S)	97	%	52-137		1	05/26/20 08:45	05/26/20 18:45	460-00-4	
Toluene-d8 (S)	104	%	56-140		1	05/26/20 08:45	05/26/20 18:45	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture **26.8** % 0.10 0.10 1 06/02/20 13:41

Sample: CSS #2 @ 7 **Lab ID: 40208191004** Collected: 05/18/20 07:15 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/26/20 08:45	05/26/20 19:10	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/26/20 08:45	05/26/20 19:10	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	05/26/20 08:45	05/26/20 19:10	1868-53-7	
4-Bromofluorobenzene (S)	104	%	52-137		1	05/26/20 08:45	05/26/20 19:10	460-00-4	
Toluene-d8 (S)	109	%	56-140		1	05/26/20 08:45	05/26/20 19:10	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture **10.5** % 0.10 0.10 1 06/02/20 13:41

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #3 @ 4 **Lab ID: 40208191005** Collected: 05/18/20 07:20 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/26/20 08:45	05/26/20 19:33	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/26/20 08:45	05/26/20 19:33	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	58-145		1	05/26/20 08:45	05/26/20 19:33	1868-53-7	
4-Bromofluorobenzene (S)	97	%	52-137		1	05/26/20 08:45	05/26/20 19:33	460-00-4	
Toluene-d8 (S)	101	%	56-140		1	05/26/20 08:45	05/26/20 19:33	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	29.2	%	0.10	0.10	1		06/02/20 13:41		
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Sample: CSS #3 @ 7 **Lab ID: 40208191006** Collected: 05/19/20 06:50 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	71-43-2	W
Ethylbenzene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	100-41-4	W
Methyl-tert-butyl ether	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	1634-04-4	W
Naphthalene	<114	ug/kg	379	114	4	05/26/20 08:45	05/26/20 20:19	91-20-3	W
Toluene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	108-88-3	W
1,2,4-Trimethylbenzene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	95-63-6	W
1,3,5-Trimethylbenzene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	108-67-8	W
m&p-Xylene	<208	ug/kg	500	208	4	05/26/20 08:45	05/26/20 20:19	179601-23-1	W
o-Xylene	<104	ug/kg	250	104	4	05/26/20 08:45	05/26/20 20:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	58-145		4	05/26/20 08:45	05/26/20 20:19	1868-53-7	D3
4-Bromofluorobenzene (S)	115	%	52-137		4	05/26/20 08:45	05/26/20 20:19	460-00-4	
Toluene-d8 (S)	105	%	56-140		4	05/26/20 08:45	05/26/20 20:19	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	11.9	%	0.10	0.10	1		06/02/20 13:41		
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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #4 @ 4 **Lab ID: 40208191007** Collected: 05/18/20 09:50 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/26/20 08:45	05/26/20 19:56	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/26/20 08:45	05/26/20 19:56	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/26/20 08:45	05/26/20 19:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	58-145		1	05/26/20 08:45	05/26/20 19:56	1868-53-7	
4-Bromofluorobenzene (S)	89	%	52-137		1	05/26/20 08:45	05/26/20 19:56	460-00-4	
Toluene-d8 (S)	95	%	56-140		1	05/26/20 08:45	05/26/20 19:56	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	28.8	%	0.10	0.10	1		06/02/20 13:41		

Sample: CSS #4 @ 7 **Lab ID: 40208191008** Collected: 05/18/20 09:55 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 14:12	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 14:12	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	126	%	58-145		1	05/27/20 08:30	05/27/20 14:12	1868-53-7	
4-Bromofluorobenzene (S)	103	%	52-137		1	05/27/20 08:30	05/27/20 14:12	460-00-4	
Toluene-d8 (S)	115	%	56-140		1	05/27/20 08:30	05/27/20 14:12	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.0	%	0.10	0.10	1		06/02/20 13:41		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #5 @ 4 **Lab ID: 40208191009** Collected: 05/18/20 11:25 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 14:35	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 14:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	83	%	58-145		1	05/27/20 08:30	05/27/20 14:35	1868-53-7	
4-Bromofluorobenzene (S)	91	%	52-137		1	05/27/20 08:30	05/27/20 14:35	460-00-4	
Toluene-d8 (S)	101	%	56-140		1	05/27/20 08:30	05/27/20 14:35	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	26.8	%	0.10	0.10	1		06/02/20 13:41		

Sample: CSS #5 @ 7 **Lab ID: 40208191010** Collected: 05/18/20 11:30 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	71-43-2	W
Ethylbenzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	100-41-4	W
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	1634-04-4	W
Naphthalene	<218	ug/kg	728	218	8	05/27/20 08:30	05/27/20 19:54	91-20-3	W
Toluene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	108-88-3	W
1,2,4-Trimethylbenzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	95-63-6	W
1,3,5-Trimethylbenzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	108-67-8	W
m&p-Xylene	<400	ug/kg	960	400	8	05/27/20 08:30	05/27/20 19:54	179601-23-1	W
o-Xylene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 19:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	58-145		8	05/27/20 08:30	05/27/20 19:54	1868-53-7	D3
4-Bromofluorobenzene (S)	112	%	52-137		8	05/27/20 08:30	05/27/20 19:54	460-00-4	
Toluene-d8 (S)	112	%	56-140		8	05/27/20 08:30	05/27/20 19:54	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	3.0	%	0.10	0.10	1		06/02/20 14:43		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #4 @ 4 **Lab ID: 40208191011** Collected: 05/18/20 13:50 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 14:58	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 14:58	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 14:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84	%	58-145		1	05/27/20 08:30	05/27/20 14:58	1868-53-7	
4-Bromofluorobenzene (S)	94	%	52-137		1	05/27/20 08:30	05/27/20 14:58	460-00-4	
Toluene-d8 (S)	100	%	56-140		1	05/27/20 08:30	05/27/20 14:58	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	31.3	%	0.10	0.10	1		06/02/20 14:43		

Sample: CSS #4 @ 7 **Lab ID: 40208191012** Collected: 05/18/20 13:55 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 15:21	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 15:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%	58-145		1	05/27/20 08:30	05/27/20 15:21	1868-53-7	
4-Bromofluorobenzene (S)	101	%	52-137		1	05/27/20 08:30	05/27/20 15:21	460-00-4	
Toluene-d8 (S)	112	%	56-140		1	05/27/20 08:30	05/27/20 15:21	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.7	%	0.10	0.10	1		06/02/20 14:43		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #7 @ 4 **Lab ID: 40208191013** Collected: 05/18/20 14:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 15:44	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 15:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 15:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	85	%	58-145		1	05/27/20 08:30	05/27/20 15:44	1868-53-7	
4-Bromofluorobenzene (S)	86	%	52-137		1	05/27/20 08:30	05/27/20 15:44	460-00-4	
Toluene-d8 (S)	93	%	56-140		1	05/27/20 08:30	05/27/20 15:44	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.3	%	0.10	0.10	1		06/02/20 14:43		

Sample: CSS #7 @ 7 **Lab ID: 40208191014** Collected: 05/18/20 14:04 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 16:06	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 16:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	58-145		1	05/27/20 08:30	05/27/20 16:06	1868-53-7	
4-Bromofluorobenzene (S)	97	%	52-137		1	05/27/20 08:30	05/27/20 16:06	460-00-4	
Toluene-d8 (S)	104	%	56-140		1	05/27/20 08:30	05/27/20 16:06	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.4	%	0.10	0.10	1		06/02/20 14:43		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #8 @ 4 **Lab ID: 40208191015** Collected: 05/19/20 07:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 16:29	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 16:29	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 16:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	58-145		1	05/27/20 08:30	05/27/20 16:29	1868-53-7	
4-Bromofluorobenzene (S)	96	%	52-137		1	05/27/20 08:30	05/27/20 16:29	460-00-4	
Toluene-d8 (S)	107	%	56-140		1	05/27/20 08:30	05/27/20 16:29	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	22.6	%	0.10	0.10	1		06/02/20 14:43		

Sample: CSS #8 @ 7 **Lab ID: 40208191016** Collected: 05/19/20 07:05 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	71-43-2	W
Ethylbenzene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	100-41-4	W
Methyl-tert-butyl ether	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	1634-04-4	W
Naphthalene	<40.1	ug/kg	134	40.1	1	05/27/20 08:30	05/27/20 16:52	91-20-3	W
Toluene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	108-88-3	W
1,2,4-Trimethylbenzene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	95-63-6	W
1,3,5-Trimethylbenzene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	108-67-8	W
m&p-Xylene	<73.5	ug/kg	176	73.5	1	05/27/20 08:30	05/27/20 16:52	179601-23-1	W
o-Xylene	<36.8	ug/kg	88.2	36.8	1	05/27/20 08:30	05/27/20 16:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	193	%	58-145		1	05/27/20 08:30	05/27/20 16:52	1868-53-7	S3
4-Bromofluorobenzene (S)	206	%	52-137		1	05/27/20 08:30	05/27/20 16:52	460-00-4	S3
Toluene-d8 (S)	222	%	56-140		1	05/27/20 08:30	05/27/20 16:52	2037-26-5	S3
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.5	%	0.10	0.10	1		06/02/20 14:43		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #9 @ 4 **Lab ID: 40208191017** Collected: 05/19/20 11:45 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 17:15	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 17:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 17:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	58-145		1	05/27/20 08:30	05/27/20 17:15	1868-53-7	
4-Bromofluorobenzene (S)	95	%	52-137		1	05/27/20 08:30	05/27/20 17:15	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	05/27/20 08:30	05/27/20 17:15	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	30.7	%	0.10	0.10	1		06/02/20 14:44		

Sample: CSS #9 @ 7 **Lab ID: 40208191018** Collected: 05/19/20 11:50 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 13:50	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 13:50	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 13:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	80	%	58-145		1	05/27/20 08:30	05/27/20 13:50	1868-53-7	
4-Bromofluorobenzene (S)	95	%	52-137		1	05/27/20 08:30	05/27/20 13:50	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	05/27/20 08:30	05/27/20 13:50	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.1	%	0.10	0.10	1		06/02/20 14:44		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #10 @ 4 **Lab ID: 40208191019** Collected: 05/19/20 11:55 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<62.5	ug/kg	150	62.5	2.5	05/27/20 08:30	05/27/20 20:40	71-43-2	W
Ethylbenzene	284	ug/kg	205	85.5	2.5	05/27/20 08:30	05/27/20 20:40	100-41-4	
Methyl-tert-butyl ether	<62.5	ug/kg	150	62.5	2.5	05/27/20 08:30	05/27/20 20:40	1634-04-4	W
Naphthalene	4670	ug/kg	311	93.4	2.5	05/27/20 08:30	05/27/20 20:40	91-20-3	
Toluene	<62.5	ug/kg	150	62.5	2.5	05/27/20 08:30	05/27/20 20:40	108-88-3	W
1,2,4-Trimethylbenzene	2390	ug/kg	205	85.5	2.5	05/27/20 08:30	05/27/20 20:40	95-63-6	
1,3,5-Trimethylbenzene	1280	ug/kg	205	85.5	2.5	05/27/20 08:30	05/27/20 20:40	108-67-8	
m&p-Xylene	342J	ug/kg	411	171	2.5	05/27/20 08:30	05/27/20 20:40	179601-23-1	
o-Xylene	<62.5	ug/kg	150	62.5	2.5	05/27/20 08:30	05/27/20 20:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	86	%	58-145		2.5	05/27/20 08:30	05/27/20 20:40	1868-53-7	D3
4-Bromofluorobenzene (S)	93	%	52-137		2.5	05/27/20 08:30	05/27/20 20:40	460-00-4	
Toluene-d8 (S)	96	%	56-140		2.5	05/27/20 08:30	05/27/20 20:40	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture **26.9** % 0.10 0.10 1 06/02/20 14:44

Sample: CSS #10 @ 7 **Lab ID: 40208191020** Collected: 05/19/20 12:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	71-43-2	W
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	100-41-4	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	1634-04-4	W
Naphthalene	<27.8	ug/kg	92.9	27.8	1	05/27/20 08:30	05/27/20 17:38	91-20-3	W
Toluene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	108-88-3	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	108-67-8	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	05/27/20 08:30	05/27/20 17:38	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	05/27/20 08:30	05/27/20 17:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	58-145		1	05/27/20 08:30	05/27/20 17:38	1868-53-7	
4-Bromofluorobenzene (S)	93	%	52-137		1	05/27/20 08:30	05/27/20 17:38	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	05/27/20 08:30	05/27/20 17:38	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture **15.1** % 0.10 0.10 1 06/02/20 14:44

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Sample: CSS #11 @ 4 **Lab ID: 40208191021** Collected: 05/19/20 12:05 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	71-43-2	W
Ethylbenzene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	100-41-4	W
Methyl-tert-butyl ether	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	1634-04-4	W
Naphthalene	<27.6	ug/kg	91.9	27.6	1	05/27/20 08:30	05/27/20 18:00	91-20-3	W
Toluene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	108-88-3	W
1,2,4-Trimethylbenzene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	95-63-6	W
1,3,5-Trimethylbenzene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	108-67-8	W
m&p-Xylene	<50.5	ug/kg	121	50.5	1	05/27/20 08:30	05/27/20 18:00	179601-23-1	W
o-Xylene	<25.3	ug/kg	60.6	25.3	1	05/27/20 08:30	05/27/20 18:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	81	%	58-145		1	05/27/20 08:30	05/27/20 18:00	1868-53-7	
4-Bromofluorobenzene (S)	97	%	52-137		1	05/27/20 08:30	05/27/20 18:00	460-00-4	
Toluene-d8 (S)	106	%	56-140		1	05/27/20 08:30	05/27/20 18:00	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	13.6	%	0.10	0.10	1		06/02/20 14:44		

Sample: CSS #11 @ 7 **Lab ID: 40208191022** Collected: 05/19/20 12:10 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	71-43-2	W
Ethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	100-41-4	W
Methyl-tert-butyl ether	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	1634-04-4	W
Naphthalene	<28.4	ug/kg	94.8	28.4	1	05/27/20 08:30	05/27/20 18:23	91-20-3	W
Toluene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	108-88-3	W
1,2,4-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	95-63-6	W
1,3,5-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	108-67-8	W
m&p-Xylene	<52.1	ug/kg	125	52.1	1	05/27/20 08:30	05/27/20 18:23	179601-23-1	W
o-Xylene	<26.0	ug/kg	62.5	26.0	1	05/27/20 08:30	05/27/20 18:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84	%	58-145		1	05/27/20 08:30	05/27/20 18:23	1868-53-7	
4-Bromofluorobenzene (S)	96	%	52-137		1	05/27/20 08:30	05/27/20 18:23	460-00-4	
Toluene-d8 (S)	104	%	56-140		1	05/27/20 08:30	05/27/20 18:23	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.5	%	0.10	0.10	1		06/02/20 14:44		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #12 @ 4 **Lab ID: 40208191023** Collected: 05/19/20 15:55 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 18:46	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 18:46	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 18:46	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	58-145		1	05/27/20 08:30	05/27/20 18:46	1868-53-7	
4-Bromofluorobenzene (S)	93	%	52-137		1	05/27/20 08:30	05/27/20 18:46	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	05/27/20 08:30	05/27/20 18:46	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	13.6	%	0.10	0.10	1		06/02/20 14:44		

Sample: CSS #12 @ 7 **Lab ID: 40208191024** Collected: 05/19/20 16:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 19:09	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 19:09	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	05/27/20 08:30	05/27/20 19:09	1868-53-7	
4-Bromofluorobenzene (S)	91	%	52-137		1	05/27/20 08:30	05/27/20 19:09	460-00-4	
Toluene-d8 (S)	100	%	56-140		1	05/27/20 08:30	05/27/20 19:09	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	13.0	%	0.10	0.10	1		06/02/20 14:44		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #13 @ 4 **Lab ID: 40208191025** Collected: 05/19/20 16:25 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	71-43-2	W
Ethylbenzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	100-41-4	W
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	1634-04-4	W
Naphthalene	<218	ug/kg	728	218	8	05/27/20 08:30	05/27/20 20:17	91-20-3	W
Toluene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	108-88-3	W
1,2,4-Trimethylbenzene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	95-63-6	W
1,3,5-Trimethylbenzene	1080	ug/kg	556	232	8	05/27/20 08:30	05/27/20 20:17	108-67-8	
m&p-Xylene	<400	ug/kg	960	400	8	05/27/20 08:30	05/27/20 20:17	179601-23-1	W
o-Xylene	<200	ug/kg	480	200	8	05/27/20 08:30	05/27/20 20:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	58-145		8	05/27/20 08:30	05/27/20 20:17	1868-53-7	D3
4-Bromofluorobenzene (S)	113	%	52-137		8	05/27/20 08:30	05/27/20 20:17	460-00-4	
Toluene-d8 (S)	107	%	56-140		8	05/27/20 08:30	05/27/20 20:17	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	13.6	%	0.10	0.10	1		06/02/20 14:44		
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Sample: CSS #13 @ 7 **Lab ID: 40208191026** Collected: 05/19/20 16:20 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<50.0	ug/kg	120	50.0	2	05/27/20 08:30	05/27/20 21:02	71-43-2	W
Ethylbenzene	975	ug/kg	126	52.7	2	05/27/20 08:30	05/27/20 21:02	100-41-4	
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	05/27/20 08:30	05/27/20 21:02	1634-04-4	W
Naphthalene	2340	ug/kg	192	57.5	2	05/27/20 08:30	05/27/20 21:02	91-20-3	
Toluene	<50.0	ug/kg	120	50.0	2	05/27/20 08:30	05/27/20 21:02	108-88-3	W
1,2,4-Trimethylbenzene	14300	ug/kg	126	52.7	2	05/27/20 08:30	05/27/20 21:02	95-63-6	
1,3,5-Trimethylbenzene	5310	ug/kg	126	52.7	2	05/27/20 08:30	05/27/20 21:02	108-67-8	
m&p-Xylene	4590	ug/kg	253	105	2	05/27/20 08:30	05/27/20 21:02	179601-23-1	
o-Xylene	1660	ug/kg	126	52.7	2	05/27/20 08:30	05/27/20 21:02	95-47-6	
Surrogates									
Dibromofluoromethane (S)	92	%	58-145		2	05/27/20 08:30	05/27/20 21:02	1868-53-7	
4-Bromofluorobenzene (S)	117	%	52-137		2	05/27/20 08:30	05/27/20 21:02	460-00-4	
Toluene-d8 (S)	116	%	56-140		2	05/27/20 08:30	05/27/20 21:02	2037-26-5	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	5.1	%	0.10	0.10	1		06/02/20 14:44		
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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #14 @ 4 **Lab ID: 40208191027** Collected: 05/19/20 16:35 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/27/20 08:30	05/27/20 19:32	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/27/20 08:30	05/27/20 19:32	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/27/20 08:30	05/27/20 19:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	85	%	58-145		1	05/27/20 08:30	05/27/20 19:32	1868-53-7	
4-Bromofluorobenzene (S)	92	%	52-137		1	05/27/20 08:30	05/27/20 19:32	460-00-4	
Toluene-d8 (S)	99	%	56-140		1	05/27/20 08:30	05/27/20 19:32	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	22.7	%	0.10	0.10	1		06/02/20 14:44		

Sample: CSS #14 @ 7 **Lab ID: 40208191028** Collected: 05/19/20 16:40 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<1000	ug/kg	2400	1000	40	05/28/20 08:00	05/28/20 19:49	71-43-2	W
Ethylbenzene	17100	ug/kg	2630	1100	40	05/28/20 08:00	05/28/20 19:49	100-41-4	
Methyl-tert-butyl ether	<1000	ug/kg	2400	1000	40	05/28/20 08:00	05/28/20 19:49	1634-04-4	W
Naphthalene	7880	ug/kg	3990	1200	40	05/28/20 08:00	05/28/20 19:49	91-20-3	
Toluene	7340	ug/kg	2630	1100	40	05/28/20 08:00	05/28/20 19:49	108-88-3	
1,2,4-Trimethylbenzene	95800	ug/kg	2630	1100	40	05/28/20 08:00	05/28/20 19:49	95-63-6	
1,3,5-Trimethylbenzene	33800	ug/kg	2630	1100	40	05/28/20 08:00	05/28/20 19:49	108-67-8	
m&p-Xylene	96500	ug/kg	5260	2190	40	05/28/20 08:00	05/28/20 19:49	179601-23-1	
o-Xylene	35400	ug/kg	2630	1100	40	05/28/20 08:00	05/28/20 19:49	95-47-6	
Surrogates									
Dibromofluoromethane (S)	0	%	58-145		40	05/28/20 08:00	05/28/20 19:49	1868-53-7	S4
4-Bromofluorobenzene (S)	0	%	52-137		40	05/28/20 08:00	05/28/20 19:49	460-00-4	S4
Toluene-d8 (S)	0	%	56-140		40	05/28/20 08:00	05/28/20 19:49	2037-26-5	S4
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.8	%	0.10	0.10	1		06/02/20 14:44		

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

Sample: CSS #15 @ 4 **Lab ID: 40208191029** Collected: 05/20/20 08:50 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/28/20 08:00	05/28/20 14:07	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/28/20 08:00	05/28/20 14:07	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	58-145		1	05/28/20 08:00	05/28/20 14:07	1868-53-7	
4-Bromofluorobenzene (S)	89	%	52-137		1	05/28/20 08:00	05/28/20 14:07	460-00-4	
Toluene-d8 (S)	102	%	56-140		1	05/28/20 08:00	05/28/20 14:07	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	26.6	%	0.10	0.10	1		06/02/20 14:44		

Sample: CSS #15 @ 7 **Lab ID: 40208191030** Collected: 05/20/20 08:55 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/28/20 08:00	05/28/20 14:30	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/28/20 08:00	05/28/20 14:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	58-145		1	05/28/20 08:00	05/28/20 14:30	1868-53-7	
4-Bromofluorobenzene (S)	85	%	52-137		1	05/28/20 08:00	05/28/20 14:30	460-00-4	
Toluene-d8 (S)	95	%	56-140		1	05/28/20 08:00	05/28/20 14:30	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	31.4	%	0.10	0.10	1		06/02/20 15:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Sample: CSS #16 @ 4 **Lab ID: 40208191031** Collected: 05/20/20 10:00 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/28/20 08:00	05/28/20 14:52	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/28/20 08:00	05/28/20 14:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 14:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	58-145		1	05/28/20 08:00	05/28/20 14:52	1868-53-7	
4-Bromofluorobenzene (S)	103	%	52-137		1	05/28/20 08:00	05/28/20 14:52	460-00-4	
Toluene-d8 (S)	112	%	56-140		1	05/28/20 08:00	05/28/20 14:52	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.6	%	0.10	0.10	1		06/02/20 15:19		

Sample: CSS #16 @ 7 **Lab ID: 40208191032** Collected: 05/20/20 10:05 Received: 05/22/20 09:15 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
8260 MSV Med Level Short List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	05/28/20 08:00	05/28/20 15:15	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/28/20 08:00	05/28/20 15:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/28/20 08:00	05/28/20 15:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	58-145		1	05/28/20 08:00	05/28/20 15:15	1868-53-7	
4-Bromofluorobenzene (S)	100	%	52-137		1	05/28/20 08:00	05/28/20 15:15	460-00-4	
Toluene-d8 (S)	108	%	56-140		1	05/28/20 08:00	05/28/20 15:15	2037-26-5	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.9	%	0.10	0.10	1		06/02/20 15:20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

QC Batch: 355803 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40208191002, 40208191003, 40208191004, 40208191005, 40208191006, 40208191007

METHOD BLANK: 2058178 Matrix: Solid
Associated Lab Samples: 40208191002, 40208191003, 40208191004, 40208191005, 40208191006, 40208191007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	05/26/20 10:24	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	05/26/20 10:24	
Benzene	ug/kg	<12.5	42.0	05/26/20 10:24	
Ethylbenzene	ug/kg	<14.5	50.0	05/26/20 10:24	
m&p-Xylene	ug/kg	<32.4	108	05/26/20 10:24	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	05/26/20 10:24	
Naphthalene	ug/kg	<27.3	91.0	05/26/20 10:24	
o-Xylene	ug/kg	<18.1	60.0	05/26/20 10:24	
Toluene	ug/kg	<13.1	50.0	05/26/20 10:24	
4-Bromofluorobenzene (S)	%	95	52-137	05/26/20 10:24	
Dibromofluoromethane (S)	%	92	58-145	05/26/20 10:24	
Toluene-d8 (S)	%	95	56-140	05/26/20 10:24	

LABORATORY CONTROL SAMPLE: 2058179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2620	105	70-130	
Ethylbenzene	ug/kg	2500	2690	108	80-120	
m&p-Xylene	ug/kg	5000	5600	112	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2440	97	70-130	
o-Xylene	ug/kg	2500	2670	107	70-130	
Toluene	ug/kg	2500	2590	104	80-120	
4-Bromofluorobenzene (S)	%			100	52-137	
Dibromofluoromethane (S)	%			98	58-145	
Toluene-d8 (S)	%			100	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058180 2058181

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208178011 Result	Spike Conc.	Spike Conc.	Result								
Benzene	ug/kg	<25.0	1410	1410	1370	1430	97	101	70-130	4	20		
Ethylbenzene	ug/kg	<25.0	1410	1410	1390	1480	99	105	80-120	6	20		
m&p-Xylene	ug/kg	<50.0	2820	2820	2880	3010	102	107	70-130	5	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1410	1410	1240	1300	88	92	70-130	5	20		
o-Xylene	ug/kg	<25.0	1410	1410	1440	1440	102	102	70-130	1	20		
Toluene	ug/kg	<25.0	1410	1410	1340	1440	95	102	80-120	7	20		
4-Bromofluorobenzene (S)	%						104	105	52-137				

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Parameter	Units	2058180		2058181		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208178011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Dibromofluoromethane (S)	%					105	104	58-145			
Toluene-d8 (S)	%					102	103	56-140			

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

QC Batch: 355909 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40208191008, 40208191009, 40208191010, 40208191011, 40208191012, 40208191013, 40208191014, 40208191015, 40208191016, 40208191017, 40208191018, 40208191019, 40208191020, 40208191021, 40208191022, 40208191023, 40208191024, 40208191025, 40208191026, 40208191027

METHOD BLANK: 2058590 Matrix: Solid
Associated Lab Samples: 40208191008, 40208191009, 40208191010, 40208191011, 40208191012, 40208191013, 40208191014, 40208191015, 40208191016, 40208191017, 40208191018, 40208191019, 40208191020, 40208191021, 40208191022, 40208191023, 40208191024, 40208191025, 40208191026, 40208191027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	05/27/20 10:47	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	05/27/20 10:47	
Benzene	ug/kg	<12.5	42.0	05/27/20 10:47	
Ethylbenzene	ug/kg	<14.5	50.0	05/27/20 10:47	
m&p-Xylene	ug/kg	<32.4	108	05/27/20 10:47	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	05/27/20 10:47	
Naphthalene	ug/kg	<27.3	91.0	05/27/20 10:47	
o-Xylene	ug/kg	<18.1	60.0	05/27/20 10:47	
Toluene	ug/kg	<13.1	50.0	05/27/20 10:47	
4-Bromofluorobenzene (S)	%	99	52-137	05/27/20 10:47	
Dibromofluoromethane (S)	%	91	58-145	05/27/20 10:47	
Toluene-d8 (S)	%	107	56-140	05/27/20 10:47	

LABORATORY CONTROL SAMPLE: 2058591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2640	106	70-130	
Ethylbenzene	ug/kg	2500	2630	105	80-120	
m&p-Xylene	ug/kg	5000	5310	106	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2480	99	70-130	
o-Xylene	ug/kg	2500	2580	103	70-130	
Toluene	ug/kg	2500	2620	105	80-120	
4-Bromofluorobenzene (S)	%			99	52-137	
Dibromofluoromethane (S)	%			100	58-145	
Toluene-d8 (S)	%			102	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058592 2058593

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208191018 Result	Spike Conc.	Spike Conc.	MS Result								
Benzene	ug/kg	<25.0	1410	1410	1470	1430	105	102	70-130	3	20		
Ethylbenzene	ug/kg	<25.0	1410	1410	1440	1420	102	101	80-120	1	20		
m&p-Xylene	ug/kg	<50.0	2810	2810	2850	2870	101	102	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1410	1410	1610	1470	115	104	70-130	9	20		

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058592		2058593		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40208191018 Result	MS Spike Conc.	MSD Spike Conc.									
o-Xylene	ug/kg	<25.0	1410	1410	1410	1410	100	101	70-130	0	20		
Toluene	ug/kg	<25.0	1410	1410	1450	1430	103	102	80-120	1	20		
4-Bromofluorobenzene (S)	%						96	96	52-137				
Dibromofluoromethane (S)	%						113	96	58-145				
Toluene-d8 (S)	%						103	102	56-140				

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS
Pace Project No.: 40208191

QC Batch: 356028 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40208191001, 40208191028, 40208191029, 40208191030, 40208191031, 40208191032

METHOD BLANK: 2059084 Matrix: Solid
Associated Lab Samples: 40208191001, 40208191028, 40208191029, 40208191030, 40208191031, 40208191032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	05/28/20 09:56	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	05/28/20 09:56	
Benzene	ug/kg	<12.5	42.0	05/28/20 09:56	
Ethylbenzene	ug/kg	<14.5	50.0	05/28/20 09:56	
m&p-Xylene	ug/kg	<32.4	108	05/28/20 09:56	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	05/28/20 09:56	
Naphthalene	ug/kg	<27.3	91.0	05/28/20 09:56	
o-Xylene	ug/kg	<18.1	60.0	05/28/20 09:56	
Toluene	ug/kg	<13.1	50.0	05/28/20 09:56	
4-Bromofluorobenzene (S)	%	93	52-137	05/28/20 09:56	
Dibromofluoromethane (S)	%	94	58-145	05/28/20 09:56	
Toluene-d8 (S)	%	100	56-140	05/28/20 09:56	

LABORATORY CONTROL SAMPLE: 2059085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2670	107	70-130	
Ethylbenzene	ug/kg	2500	2640	105	80-120	
m&p-Xylene	ug/kg	5000	5380	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2480	99	70-130	
o-Xylene	ug/kg	2500	2610	104	70-130	
Toluene	ug/kg	2500	2680	107	80-120	
4-Bromofluorobenzene (S)	%			102	52-137	
Dibromofluoromethane (S)	%			100	58-145	
Toluene-d8 (S)	%			106	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2059086 2059087

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208250002 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/kg	<25.0	1560	1560	1500	1530	96	98	70-130	2	20		
Ethylbenzene	ug/kg	<25.0	1560	1560	1540	1540	98	99	80-120	0	20		
m&p-Xylene	ug/kg	<50.0	3120	3120	3110	3100	100	99	70-130	0	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1560	1560	1400	1320	90	85	70-130	6	20		
o-Xylene	ug/kg	<25.0	1560	1560	1530	1560	98	100	70-130	2	20		
Toluene	ug/kg	<25.0	1560	1560	1550	1570	99	100	80-120	1	20		
4-Bromofluorobenzene (S)	%						99	95	52-137				

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Parameter	Units	2059086		2059087		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40208250002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Dibromofluoromethane (S)	%					100	94	58-145			
Toluene-d8 (S)	%					108	103	56-140			

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

QC Batch:	356445	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40208191001, 40208191002, 40208191003, 40208191004, 40208191005, 40208191006, 40208191007, 40208191008, 40208191009

SAMPLE DUPLICATE: 2061487

Parameter	Units	40208191007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	28.8	28.1	2	10	

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

QC Batch:	356450	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40208191010, 40208191011, 40208191012, 40208191013, 40208191014, 40208191015, 40208191016, 40208191017, 40208191018, 40208191019, 40208191020, 40208191021, 40208191022, 40208191023, 40208191024, 40208191025, 40208191026, 40208191027, 40208191028, 40208191029

SAMPLE DUPLICATE: 2061606

Parameter	Units	40208191017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.7	29.3	5	10	

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QUALITY CONTROL DATA

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

QC Batch: 356453

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40208191030, 40208191031, 40208191032

SAMPLE DUPLICATE: 2061634

Parameter	Units	40208017005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.1	26.5	1	10	

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QUALIFIERS

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

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

- | | |
|----|--|
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| S3 | Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |
| 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: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40208191001	CSS #1 @ 4	EPA 5035/5030B	356028	EPA 8260	356029
40208191002	CSS #1 @ 7	EPA 5035/5030B	355803	EPA 8260	355805
40208191003	CSS #2 @ 4	EPA 5035/5030B	355803	EPA 8260	355805
40208191004	CSS #2 @ 7	EPA 5035/5030B	355803	EPA 8260	355805
40208191005	CSS #3 @ 4	EPA 5035/5030B	355803	EPA 8260	355805
40208191006	CSS #3 @ 7	EPA 5035/5030B	355803	EPA 8260	355805
40208191007	CSS #4 @ 4	EPA 5035/5030B	355803	EPA 8260	355805
40208191008	CSS #4 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191009	CSS #5 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191010	CSS #5 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191011	CSS #4 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191012	CSS #4 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191013	CSS #7 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191014	CSS #7 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191015	CSS #8 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191016	CSS #8 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191017	CSS #9 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191018	CSS #9 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191019	CSS #10 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191020	CSS #10 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191021	CSS #11 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191022	CSS #11 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191023	CSS #12 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191024	CSS #12 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191025	CSS #13 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191026	CSS #13 @ 7	EPA 5035/5030B	355909	EPA 8260	355910
40208191027	CSS #14 @ 4	EPA 5035/5030B	355909	EPA 8260	355910
40208191028	CSS #14 @ 7	EPA 5035/5030B	356028	EPA 8260	356029
40208191029	CSS #15 @ 4	EPA 5035/5030B	356028	EPA 8260	356029
40208191030	CSS #15 @ 7	EPA 5035/5030B	356028	EPA 8260	356029
40208191031	CSS #16 @ 4	EPA 5035/5030B	356028	EPA 8260	356029
40208191032	CSS #16 @ 7	EPA 5035/5030B	356028	EPA 8260	356029
40208191001	CSS #1 @ 4	ASTM D2974-87	356445		
40208191002	CSS #1 @ 7	ASTM D2974-87	356445		
40208191003	CSS #2 @ 4	ASTM D2974-87	356445		
40208191004	CSS #2 @ 7	ASTM D2974-87	356445		
40208191005	CSS #3 @ 4	ASTM D2974-87	356445		
40208191006	CSS #3 @ 7	ASTM D2974-87	356445		
40208191007	CSS #4 @ 4	ASTM D2974-87	356445		
40208191008	CSS #4 @ 7	ASTM D2974-87	356445		
40208191009	CSS #5 @ 4	ASTM D2974-87	356445		
40208191010	CSS #5 @ 7	ASTM D2974-87	356450		
40208191011	CSS #4 @ 4	ASTM D2974-87	356450		
40208191012	CSS #4 @ 7	ASTM D2974-87	356450		
40208191013	CSS #7 @ 4	ASTM D2974-87	356450		
40208191014	CSS #7 @ 7	ASTM D2974-87	356450		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6958 HOFFMAN CORNERS

Pace Project No.: 40208191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40208191015	CSS #8 @ 4	ASTM D2974-87	356450		
40208191016	CSS #8 @ 7	ASTM D2974-87	356450		
40208191017	CSS #9 @ 4	ASTM D2974-87	356450		
40208191018	CSS #9 @ 7	ASTM D2974-87	356450		
40208191019	CSS #10 @ 4	ASTM D2974-87	356450		
40208191020	CSS #10 @ 7	ASTM D2974-87	356450		
40208191021	CSS #11 @ 4	ASTM D2974-87	356450		
40208191022	CSS #11 @ 7	ASTM D2974-87	356450		
40208191023	CSS #12 @ 4	ASTM D2974-87	356450		
40208191024	CSS #12 @ 7	ASTM D2974-87	356450		
40208191025	CSS #13 @ 4	ASTM D2974-87	356450		
40208191026	CSS #13 @ 7	ASTM D2974-87	356450		
40208191027	CSS #14 @ 4	ASTM D2974-87	356450		
40208191028	CSS #14 @ 7	ASTM D2974-87	356450		
40208191029	CSS #15 @ 4	ASTM D2974-87	356450		
40208191030	CSS #15 @ 7	ASTM D2974-87	356453		
40208191031	CSS #16 @ 4	ASTM D2974-87	356453		
40208191032	CSS #16 @ 7	ASTM D2974-87	356453		

REPORT OF LABORATORY ANALYSIS

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



(Please Print Clearly)

Company Name: PC7
 Branch/Location: Detroit Lakes
 Project Contact: Dawn Larson
 Phone: 715-605-9784
 Project Number: 60958
 Project Name: Hoffman Corners
 Project State: WI
 Sampled By (Print): Dawn Larson
 Sampled By (Sign): [Signature]

CHAIN OF CUSTODY

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

FILTERED? (YES/NO)
 PRESERVATION (CODE)
 REGULATORY Program: PCRA

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

PAGE LAB #	CLIENT FIELD ID	COLLECTION DATE	TIME	MATRIX
001	CSS#104	5-18-20	7:20	Soil
002	CSS#107	7:25		
003	CSS#204	7:10		
004	CSS#207	7:15		
005	CSS#304	7:20		
006	CSS#307	5-19-20	07:50	
007	CSS#404	5-18-20	9:50	
008	CSS#407	9:55		
009	CSS#504	11:25		
010	CSS#507	11:30		
011	CSS#604	1:50		
012	CSS#607	1:55		
013	CSS#704	2:00		

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____
 Samples on HOLD are subject to special pricing and release of liability

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS (Lab Use Only)
 COMMENTS
 PROFILE #

Received By: _____ Date/Time: _____
 Received By: [Signature] Date/Time: 5-21-20 1:00pm
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 PACE Project No. 40208191
 Receipt Temp = 20C °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact



CHAIN OF CUSTODY

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

Regulatory Program: PERA

Matrix Codes
 W=Water
 DW=Drinking Water
 GW=Ground Water
 SW=Surface Water
 WP=Waste Water
 SI=Sludge

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

CLIENT FIELD ID

COLLECTION DATE TIME MATRIX

Filtered? (YES/NO)
 Preservation (CODE)*

Y/N Pick Letter

Analyses Requested

LAB COMMENTS (Lab Use Only)
 PROFILE #

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS

Received By: MMi Ki Sue Date/Time: 5-21-20 1:40
 Received By: MMi Ki Sue Date/Time: 5-21-20 09:15
 Relinquished By: usafco Date/Time: 5-21-20 1:40
 Relinquished By: usafco Date/Time: 5-21-20 09:15
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Sample 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:

Sample Temp = 28 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Version 6.0 06/14/06 ORIGINAL

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

C019a(27 Jun 2006)

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



CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name: REI

Branch/Location: David Larson

Project Contact: David Larson

Phone: 715-675-9784

Project Number: 0958

Project Name: Holmen Corners

Project State: WI

Sampled By (Print): David Larson

Sampled By (Sign): [Signature]

Regulatory Program: PCFA

Data Package Options (billable)

EPA Level III

EPA Level IV

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
 WW = Waste Water
 WP = Wipe

PACE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
027	CS#1404	5/14/10	4:35	Soil
028	CS#1407	5/14/10	4:40	
029	CS#1504	7/14/10	8:50	
030	CS#1507		8:55	
031	CS#1604		10:10	
032	CS#1607		10:15	

Y/N	Pick Letter	Filtered? (YES/NO)	Preservation (CODE)*	Analytes Requested
<i>R</i>	<i>N</i>			
<i>F</i>	<i>A</i>			
				<i>Very Wet</i>
				<i>RAC/N</i>
				<i>X</i>
				<i>X</i>

Quote #: 40208191

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

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

Date Needed: _____

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

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

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

Relinquished By: [Signature] Date/Time: 5/21/20 1:00

Relinquished By: NSALTCO Date/Time: 5/22/20 0915

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 5/21/20 0915

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. 40208191

Receipt Temp = 25.5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Sample Preservation Receipt Form

Client Name: LEI Project # 40208191

All containers needing preservation have been checked and noted below: Yes No

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	AG1U	BP1U	VG9A	JGFU	SP5T							2.5/5/10
002	AG2S	BP3S	VG9M	JG9U	ZPLC							2.5/5/10
003	AG4U	BP3N	VG9H	WG9U	GN							2.5/5/10
004	AG4S	BP3B	VG9U	JG9U								2.5/5/10
005	AG1H	BP3U	DG9T	WG9U								2.5/5/10
006	AG4U	BP3U	VG9U	JG9U								2.5/5/10
007	AG4S	BP3U	DG9T	WG9U								2.5/5/10
008	AG1U	BP1U	VG9A	JGFU								2.5/5/10
009	AG2S	BP3S	VG9M	JG9U								2.5/5/10
010	AG4U	BP3N	VG9H	WG9U								2.5/5/10
011	AG4S	BP3B	VG9U	JG9U								2.5/5/10
012	AG1H	BP3U	DG9T	WG9U								2.5/5/10
013	AG4U	BP3U	VG9U	JG9U								2.5/5/10
014	AG4S	BP3U	DG9T	WG9U								2.5/5/10
015	AG1U	BP1U	VG9A	JGFU								2.5/5/10
016	AG2S	BP3S	VG9M	JG9U								2.5/5/10
017	AG4U	BP3N	VG9H	WG9U								2.5/5/10
018	AG4S	BP3B	VG9U	JG9U								2.5/5/10
019	AG1H	BP3U	DG9T	WG9U								2.5/5/10
020	AG4U	BP3U	VG9U	JG9U								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 *if yes look in headspace column

Lab #	Container	Volume
AG1U	1 liter amber glass	4 oz amber jar unpres
BG1U	1 liter clear glass	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	ziploc bag
BG3U	250 mL clear glass unpres	

Sample Preservation Receipt Form

Client Name: RES Project #: 20208191

Pace Lab #	Glass					Plastic					Vials					Jars					General					VOA Vials (>6mm) *	H2SO4 pH 52	NaOH+Zn Act pH 29	NaOH pH 212	HNO3 pH 52	pH after adjusted	Volume (mL)						
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN					
120																													2.5/5/10									
220																													2.5/5/10									
223																													2.5/5/10									
254																													2.5/5/10									
265																													2.5/5/10									
269																													2.5/5/10									
277																													2.5/5/10									
288																													2.5/5/10									
294																													2.5/5/10									
296																													2.5/5/10									
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Handwritten: 5/22/20



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: RES

WO#: **40208191**

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



Tracking #: 2443519-1

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: LOS /Corr: _____

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 5/22/20 /Initials: MP

Labeled By Initials: BAL

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No mail, Invoice, location.</u> <u>5/22/20</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		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>S</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: _____

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