



09-34-562754

October 20, 2014

WDNR Northern Region Office

Attn: Kathleen Shafel
223 East Steinfest Road
Antigo, WI 54409



Subject:

Riiser Energy – Antigo Bulk Plant
802 Edison Street
Antigo, WI

Dear Ms. Shafel,

Enclosed is the Tank System Site Assessment for the Riiser Energy – Antigo Bulk Plant site in Antigo, WI. The site location is shown on Figure 1.

The subject property does have documented contamination listed on WDNR BRRTS website. Soil sampling was completed during the removal of the USTs and piping on September 30, 2014. The soil sampling results are summarized on Table 1. The site assessment sampling locations are shown on Figure 3.

Please contact me with questions or comments at (715) 675-9784 or bbailey@reiengineering.com.

Sincerely,
REI Engineering, Inc.

Brian J. Bailey
Environmental Scientist

Attachments

CC: Tim Fermanich, Riiser Energy, 709 South 20th Avenue, Wausau, WI 54401



RESPONSIVE. EFFICIENT. INNOVATIVE.

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

p:\6700-6799\6791 - sgs - riiser energy antigo bulk plant\reports\tssa\6791tssa2.docx

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: RIISER ENERGY - ANTIGO BULK PLANT

Address: 802 EDISON STREET, ANTIGO, WI 54409

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see Comm 10 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS*.

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS*.

1. Site Information

a. Has there been a previously documented release at this site? ☒ Y ☐ N

If yes, provide the Commerce # _____, or DNR BRRT's # 02-34-112062, 03-34-001099, 03-34-554475.

b. Number of active tanks¹ at facility prior to completion of current services USTs 4 ASTs 0.

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
Tank Bed	36	45	12

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☐ Y ☒ N b. Petroleum odor: ☐ Y ☒ N c. Water in excavation/trench: ☐ Y ☒ N

d. Free product in the excavation/trench: ☐ Y ☒ N e. Sheen or free product on water: ☐ Y ☒ N

3. Geology/Hydrogeology

a. Depth to groundwater Unknown feet

b. Indicate type of geology² S

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☒ N If yes, specify None known

b. Surface water(s) within 1000 feet of the facility? ☐ Y ☒ N If yes, specify _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS*.

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

The two (2) USTs are dual compartments 10,000 USTs. One of the dual compartment USTs was comprised of a 2,000 gallon premium gasoline compartment and an 8,000 gallon unleaded gasoline compartment. The other dual compartment UST was comprised of a 5,000 gallon low sulfur #1 diesel compartment and a 5,000 gallon high sulfur #1 diesel compartment.

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
CSS-1	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0		
CSS-2	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0		
CSS-3	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0		
CSS-4	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.5		
CSS-5	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	1.9		
CSS-6	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	1.1		
CSS-7	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	1.7		
CSS-8	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	2.0		
CSS-9	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.2		
CSS-10	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	0		
CSS-11	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	0.4		
CSS-12	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	2.0		
CSS-13	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.5		
CSS-14	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	5.9		

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
CSS-1	32.3 J	95.1	36.8 J	< 25	72.9	148	65.5
CSS-2	30.9 J	126	43.9 J	< 25	101	275.8	107
CSS-3	57.7 J	178	58.0 J	< 25	117	335.8	105
CSS-4	40.6 J	148	57.0 J	< 25	134	332.9	122
CSS-5	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-6	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-7	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-8	< 25	101	39.2 J	< 25	88.3	230.2	82.3
CSS-9	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-10	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-11	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-12	49.7 J	170	66.0 J	< 25	141	362	122
CSS-13	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-14	< 25	88.4	29.3 J	< 25	47.9 J	121 J	< 25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☒ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

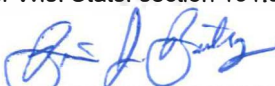
☐ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

Brian J. Bailey

Tank-System Site Assessor Name (print)

715-675-9784

Tank-System Site Assessor Telephone Number



Tank-System Site Assessor Signature

10/20/14

Date Signed

1279084

Certification Number #

REI Engineering, Inc.

Company Name

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
CSS-15	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	0.1		
CSS-16	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.6		
CSS-17	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.2		
CSS-18	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	0.3		
CSS-19	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	4.4		
CSS-20	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	3.5		
CSS-21	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	1.5		
CSS-22	Tank Bed / Brown Sand	☒	☐	☐	☐	13' BLS	22.7		
CSS-23	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	17.7		
CSS-24	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	6.5		
CSS-25	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	2.8		
CSS-26	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.4		
CSS-27	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	1.4		
CSS-28	Tank Bed / Brown Sand	☒	☐	☐	☐	8' BLS	0.4		

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
CSS-15	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-16	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-17	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-18	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-19	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-20	30.8 J	94.5	< 25	< 25	35.7 J	79.3 J	< 25
CSS-21	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-22	< 25	< 25	< 25	< 25	51.4 J	< 25	< 25
CSS-23	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-24	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-26	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-27	< 25	< 25	< 25	< 25	< 25	< 25	< 25
CSS-28	< 25	< 25	< 25	< 25	< 25	< 25	< 25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☒ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☐ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

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Tank-System Site Assessor Signature

10/20/14

Date Signed

1279084

Certification Number #

REI Engineering, Inc.

Company Name

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
RIISER ENERGY - ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WI

<i>Date --></i>			9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14
<i>Sample ID --></i>			CSS-1	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	CSS-7	CSS-8
<i>Sample Depth (Feet) --></i>			8	8	8	8	13	13	8	8
Petroleum VOC's (mg/kg)	Non-Industrial Not-To-Exceed DC RCL	NR 140 Groundwater Pathway Protection (DF=2)								
Benzene	1.49	0.0051	0.032 ^J	0.031 ^J	0.058 ^J	0.041 ^J	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	7.47	1.57	0.037 ^J	0.044 ^J	0.058 ^J	0.057 ^J	<0.025	<0.025	<0.025	0.039 ^J
Toluene	818	1.1072	0.095	0.126	0.178	0.148	<0.025	<0.025	<0.025	0.101
Xylenes (Total)	258	3.9400	0.148	0.275	0.336	0.333	<0.025	<0.025	<0.025	0.230
Methyl tert Butyl Ether	59.4	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4-Trimethylbenzene	89.8	NS	0.073	0.101	0.117	0.134	<0.025	<0.025	<0.025	0.088
1,3,5-Trimethylbenzene	182	NS	0.030 ^J	0.041 ^J	0.049 ^J	0.054 ^J	<0.025	<0.025	<0.025	0.035 ^J
Trimethylbenzenes (Total)	NS	1.3793	0.073	0.101	0.117	0.134	<0.025	<0.025	<0.025	0.088
Naphthalene	5.15	0.6587	0.066	0.107	0.105	0.122	<0.025	<0.025	<0.025	0.082

Notes:

NR720 Standards Obtained From WDNR Online Excel Database

RCL - NR 720 Proposed Soil Residual Contaminant Level

DC - Direct Contact

< - Concentration below listed laboratory detection limit

NS - No Standard

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

Bold

Exceeds Non-Industrial Not-To-Exceed DC RCL

Outline

Exceeds Industrial Not-To-Exceed DC RCL

Italic

Exceeds NR 140 Groundwater Pathway Protection

OK
CS

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
RIISER ENERGY - ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WI

<i>Date --></i>			9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14
<i>Sample ID --></i>			CSS-10	CSS-11	CSS-12	CSS-13	CSS-14	CSS-15	CSS-16	CSS-17	CSS-18	CSS-19
<i>Sample Depth (Feet) --></i>			13	13	8	13	13	13	13	13	13	13
Petroleum VOC's (mg/kg)	Non-Industrial Not-To-Exceed DC RCL	NR 140 Groundwater Pathway Protection (DF=2)										
Benzene	1.49	0.0051	<0.025	<0.025	0.050 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	7.47	1.57	<0.025	<0.025	0.066 ^J	<0.025	0.029 ^J	<0.025	<0.025	<0.025	<0.025	<0.025
Toluene	818	1.1072	<0.025	<0.025	0.170	<0.025	0.088	<0.025	<0.025	<0.025	<0.025	<0.025
Xylenes (Total)	258	3.9400	<0.025	<0.025	0.362	<0.025	0.121 ^J	<0.025	<0.025	<0.025	<0.025	<0.025
Methyl tert Butyl Ether	59.4	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4-Trimethylbenzene	89.8	NS	<0.025	<0.025	0.141	<0.025	0.048 ^J	<0.025	<0.025	<0.025	<0.025	<0.025
1,3,5-Trimethylbenzene	182	NS	<0.025	<0.025	0.066 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trimethylbenzenes (Total)	NS	1.3793	<0.025	<0.025	0.141	<0.025	0.048 ^J	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	5.15	0.6587	<0.025	<0.025	0.122	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:

NR720 Standards Obtained From WDNR Online Excel Database

RCL - NR 720 Proposed Soil Residual Contaminant Level

DC - Direct Contact

< - Concentration below listed laboratory detection limit

NS - No Standard

J - Estimated concentration above the adjusted method detection limit and below t

OK
-CS

Bold

Exceeds Non-Industrial Not-To-Exceed DC RCL

Outline

Exceeds Industrial Not-To-Exceed DC RCL

Italic

Exceeds NR 140 Groundwater Pathway Protection

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
RIISER ENERGY - ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WI

<i>Date --></i>			9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14	9/30/14
<i>Sample ID --></i>			CSS-20	CSS-21	CSS-22	CSS-23	CSS-24	CSS-25	CSS-26	CSS-27	CSS-28
<i>Sample Depth (Feet) --></i>			8	13	13	8	8	8	8	8	8
Petroleum VOC's (mg/kg)	<u>Non-Industrial Not-To-Exceed DC RCL</u>	<u>NR 140 Groundwater Pathway Protection (DF=2)</u>									
Benzene	1.49	0.0051	0.031 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Ethylbenzene	7.47	1.57	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Toluene	818	1.1072	0.095	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Xylenes (Total)	258	3.9400	0.079 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Methyl tert Butyl Ether	59.4	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4-Trimethylbenzene	89.8	NS	0.036 ^J	<0.025	0.051 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,3,5-Trimethylbenzene	182	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Trimethylbenzenes (Total)	NS	1.3793	0.036 ^J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	5.15	0.6587	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:

NR720 Standards Obtained From WDNR Online Excel Database

RCL - NR 720 Proposed Soil Residual Contaminant Level

DC - Direct Contact

< - Concentration below listed laboratory detection limit

NS - No Standard

J - Estimated concentration above the adjusted method detection limit and below t

OK
CS

Bold

Exceeds Non-Industrial Not-To-Exceed DC RCL

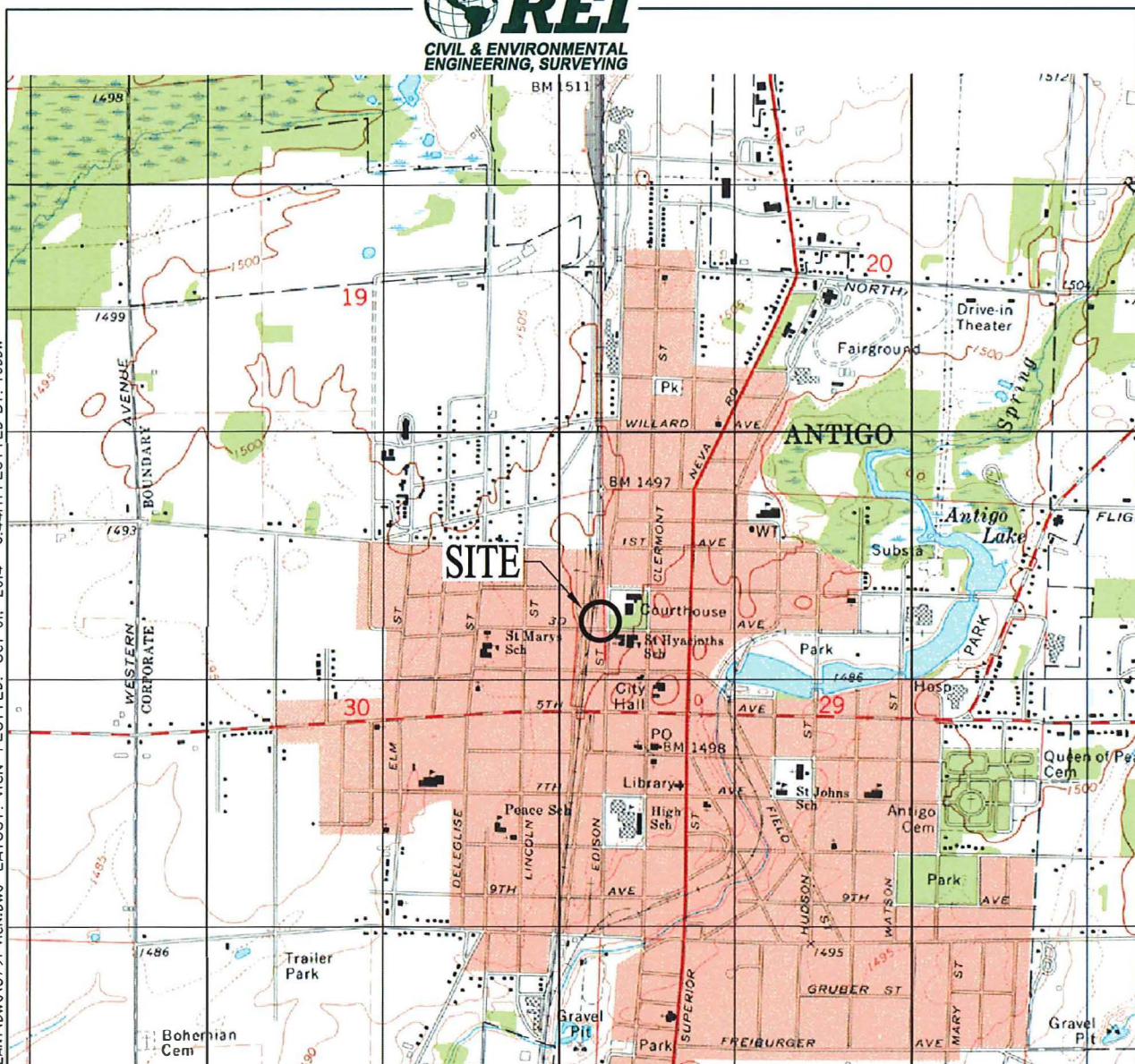
Outline

Exceeds Industrial Not-To-Exceed DC RCL

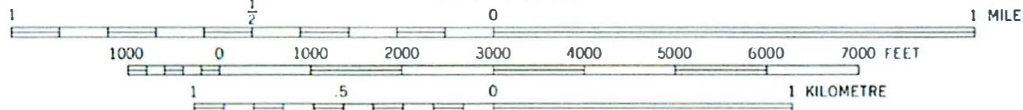
Italic

Exceeds NR 140 Groundwater Pathway Protection

DRAWING FILE: P:\6700-6799\6791 - SGS - RIISER ENERGY ANTIGO BULK PLANT\DWG\6791-VICN.DWG LAYOUT: VICN PLOTTED: OCT 01, 2014 - 5:44PM PLOTTED BY: TODDW



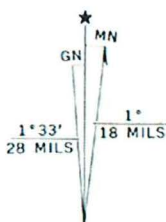
SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION



UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ANTIGO, WIS.

N4507.5—W8907.5/7.5

1973

REI Engineering, INC.

RIISER ENERGY — ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN 54409

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
6791	TAW	10/1/2014

DRAWING FILE: P:\6700-6799\6791 - SGS - RIISER ENERGY ANTIGO BULK PLANT\DWG\6791-SITE.DWG LAYOUT: OV PLOTTED: OCT 06, 2014 - 11:57AM PLOTTED BY: TODDW



LEGEND	
SCALE: 1" = 50'	
—OH—	OVERHEAD UTILITIES LINE
A	2,000 GAL. PREMIUM UNLEADED
B	8,000 GAL. UNLEADED
C	5,000 GAL. DIESEL
D	5,000 GAL. DIESEL
E	20,000 GAL. DIESEL
F	20,000 GAL. DIESEL



REI Engineering, INC.

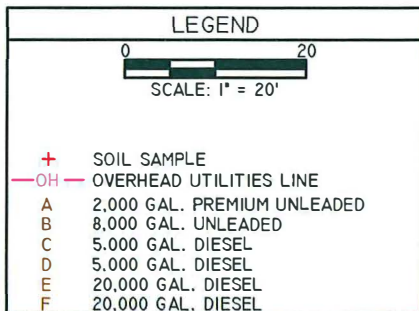
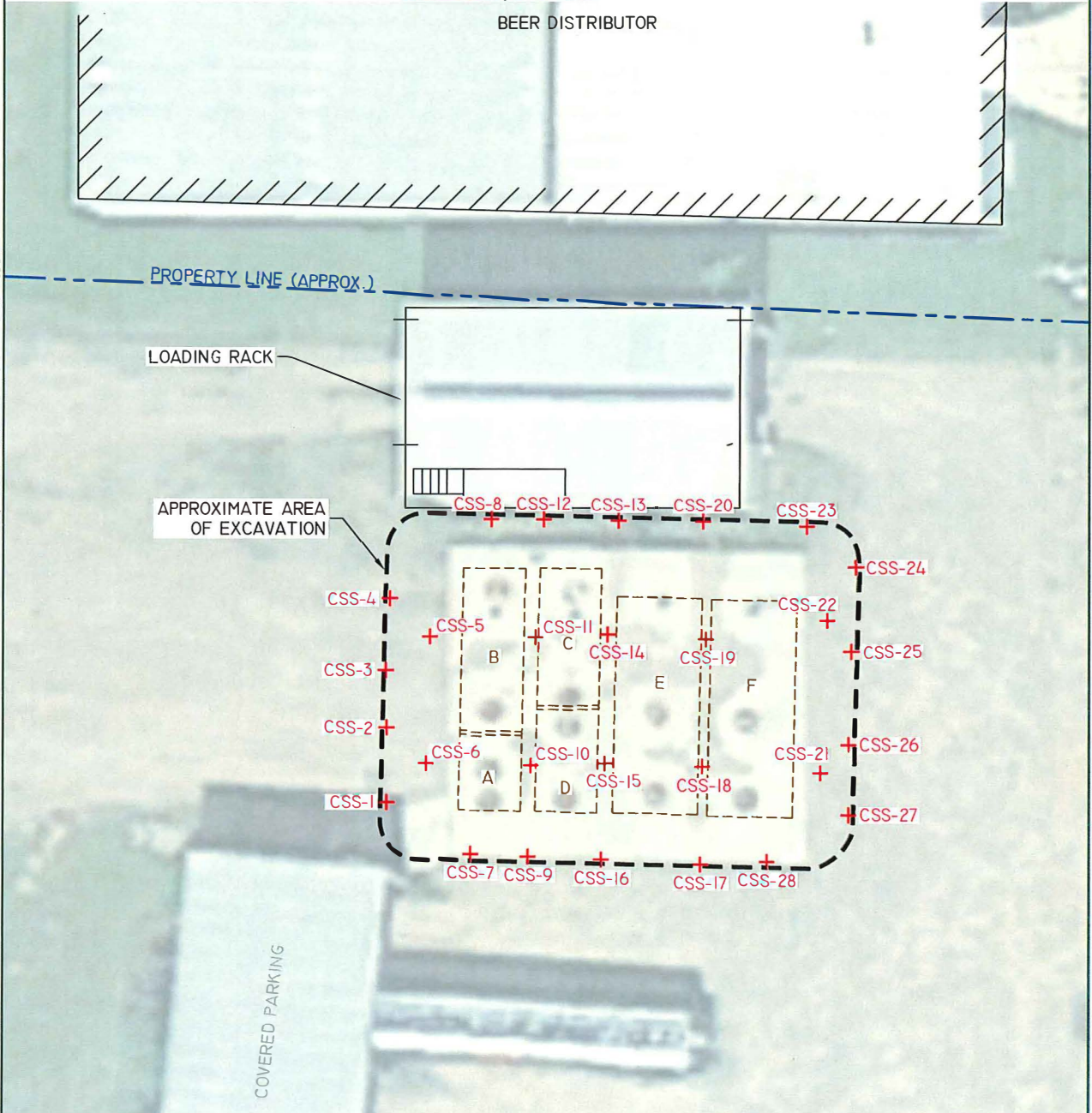
RIISER ENERGY — ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN 54409

FIGURE 2A : SITE MAP — OVERALL

PROJECT NO.	DRAWN BY:	DATE:
6791	TAW	10/1/2014

BEER DISTRIBUTOR

DRAWING FILE: P:\6700-6799\6791 - SGS - RIISER ENERGY ANTIGO BULK PLANT\DWG\6791-SITE.DWG LAYOUT: SITE PLOTTED: Oct 06, 2014 - 11:58AM PLOTTED BY: ToddW



REI Engineering, INC.

RIISER ENERGY - ANTIGO BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN 54409

FIGURE 2B : SITE MAP - CLOSE UP

PROJECT NO.	6791	DRAWN BY:	TAW	DATE:	10/1/2014
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Facing West at Facility



Facing Northwest at Tank Bed - Tanks Excavated



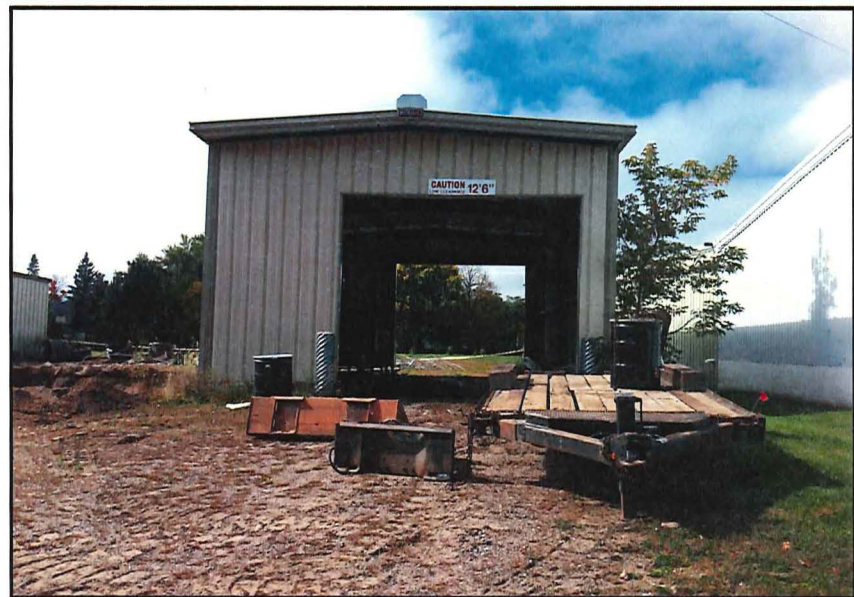
Facing North - Looking Up Edison Street



Four (4) USTs Removed From Site



Facing Southwest at Tank Bed



Fueling Rack Building



Exposed Former Tank Bed



Exposed Former Tank Bed



Former Fueling Rack



Facing South - Vent Pipes Attached To Parking Garage



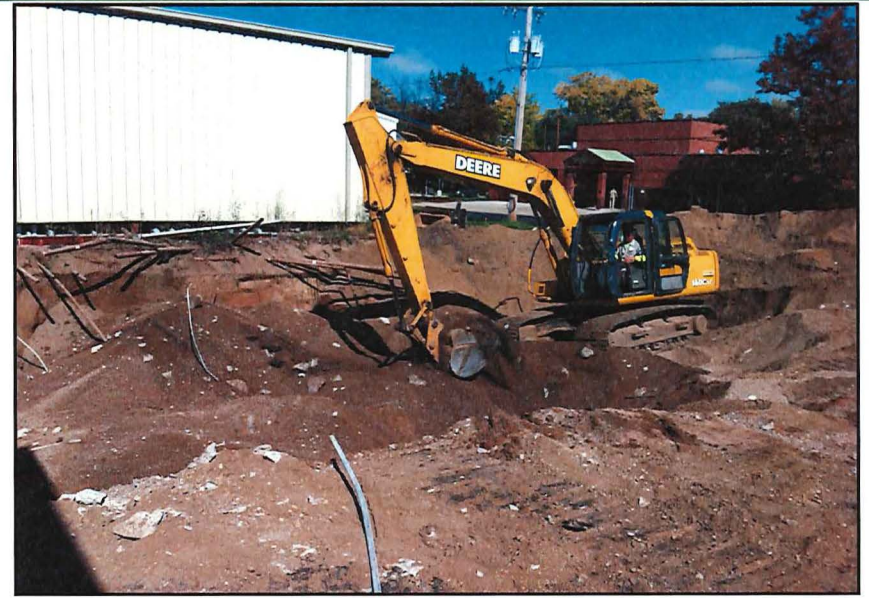
Exposed Tank Bed



Exposed Tank Bed



Facing South - Tanks Out - Former Tank Bed



Sampling Tank Bed



Sampling Tank Bed



Sampling Tank Bed

[Search Instructions](#)[Search by Site, Owner, or Tank
Characteristics](#)[Search by Tank ID](#)

Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT 34 - LANGLADE
 802 EDISON ST
 ANTIGO

Landowner Type: Private

Site Anniversary Date: October

County & Municipality

City of ANTIGO
 Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)
 RIISER OIL CO INC
 PO Box 239
 WAUSAU WI 54402

Dispensers have Sumps: Not Required

Underground Storage Tank - ID: 411480, Wang ID: 340100532, as of 07/01/2014, PTO Expiration: 08/28/2015

Install Date:	01/01/1982	Capacity in Gallons:	20000	Contents:	Automatic Tank Gauge
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	N
Close Order Date:		Close Order By:			

Piping -

Flex Connectors:		UST mainfolded:	N	Related Tank ID:	
Type:		Aboveground Piping:		Aboveground Pipe Construction:	Coated Steel
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr
915469	AN	CLNI		2004
1045859	AN	CLNI		2005
1181409	AN	CLOS	12/20/2005	2006
1966765	AN	CLOS	04/19/2012	2012
2119029	AN	CLOS	04/23/2013	2013
2286205	AN	CLOS	03/31/2014	2014
2105949	II	CLOS	06/26/2012	2012
2430622	AN			2015
1454530	AN	CLOS	07/10/2008	2008
1304801	AN	CLOS	02/22/2007	2007
1567121	AN	CLNI		2009
1822268	AN	CLOS	03/24/2011	2011
1718919	AN	CLOS	10/22/2009	2010

[Close this response window](#)

[Search Instructions](#)[Search by Site, Owner, or Tank
Characteristics](#)[Search by Tank ID](#)

Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT 34 - LANGLADE
802 EDISON ST
ANTIGO

Landowner Type: Private

Site Anniversary Date: October

County & Municipality

City of ANTIGO
Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)
RIISER OIL CO INC
PO Box 239
WAUSAU WI 54402

Dispensers have Sumps: Not Required

Underground Storage Tank - ID: 411481, Wang ID: 340100533, as of 07/01/2014, PTO Expiration: 08/28/2015

Install Date:	01/01/1982	Capacity in Gallons:	20000	Contents:	Automatic Tank Gauge
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	Y
Close Order Date:		Close Order By:			

Piping -

Flex Connectors:		UST mainfolded:	N	Related Tank ID:	
Type:		Aboveground Piping:		Aboveground Pipe Construction:	Coated Steel
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr	
915469	AN	CLNI		2004	
1045859	AN	CLNI		2005	
1181409	AN	CLOS	12/20/2005	2006	
2286205	AN	CLOS	03/31/2014	2014	
2430622	AN			2015	
1454530	AN	CLOS	07/10/2008	2008	
1304801	AN	CLOS	02/22/2007	2007	
1567121	AN	CLNI		2009	
1822268	AN	CLOS	03/24/2011	2011	
1718919	AN	CLOS	10/22/2009	2010	
1966765	AN	CLOS	04/19/2012	2012	
2119029	AN	CLOS	04/23/2013	2013	
2105949	II	CLOS	06/26/2012	2012	

[Close this response window](#)

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[Search by Site, Owner, or Tank Characteristics](#)
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Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT 34 - LANGLADE
802 EDISON ST
ANTIGO

Landowner Type: Private

Site Anniversary Date: October Dispensers have Sumps: Not Required

County & Municipality

City of ANTIGO
Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)
RIISER OIL CO INC
PO Box 239
WAUSAU WI 54402

Underground Storage Tank - ID: 483312, Wang ID: null, as of 07/01/2014, PTO Expiration: 08/28/2015

Install Date:	12/13/1999	Capacity in Gallons:	5000	Contents:	Automatic Tank Gauge
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	Y
Close Order Date:		Close Order By:			

Piping -

Flex Connectors:	Y	UST mainfolded:	N	Related Tank ID:	
Type:		Aboveground Piping:		Aboveground Pipe Construction:	
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr	
915469	AN	CLNI		2004	
1045859	AN	CLNI		2005	
1181409	AN	CLOS	12/20/2005	2006	
1454530	AN	CLOS	07/10/2008	2008	
2430622	AN			2015	
2286205	AN	CLOS	03/31/2014	2014	
1304801	AN	CLOS	02/22/2007	2007	
1567121	AN	CLNI		2009	
1822268	AN	CLOS	03/24/2011	2011	
1718919	AN	CLOS	10/22/2009	2010	
1966765	AN	CLOS	04/19/2012	2012	
2119029	AN	CLOS	04/23/2013	2013	
2105949	II	CLOS	06/26/2012	2012	

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[Search Instructions](#)
[Search by Site, Owner, or Tank Characteristics](#)
[Search by Tank ID](#)

Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT 34 - LANGLADE
 802 EDISON ST
 ANTIGO

Landowner Type: Private

Site Anniversary Date: October Dispensers have Sumps: Not Required

County & Municipality

City of ANTIGO
 Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)
 RIISER OIL CO INC
 PO Box 239
 WAUSAU WI 54402

Underground Storage Tank - ID: 483319, Wang ID: null, as of 07/01/2014, PTO Expiration: 08/28/2015

Install Date:	12/13/1999	Capacity in Gallons:	5000	Contents:	Automatic Tank Gauge
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	Y
Close Order Date:		Close Order By:			

Piping -

Flex Connectors:	Y	UST mainfolded:	N	Related Tank ID:	
Type:		Aboveground Piping:		Aboveground Pipe Construction:	
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr
915469	AN	CLNI		2004
1045859	AN	CLNI		2005
1181409	AN	CLOS	12/20/2005	2006
1454530	AN	CLOS	07/10/2008	2008
1304801	AN	CLOS	02/22/2007	2007
1567121	AN	CLNI		2009
1822268	AN	CLOS	03/24/2011	2011
1718919	AN	CLOS	10/22/2009	2010
1966765	AN	CLOS	04/19/2012	2012
2119029	AN	CLOS	04/23/2013	2013
2105949	II	CLOS	06/26/2012	2012
2286205	AN	CLOS	03/31/2014	2014
2430622	AN			2015

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Characteristics](#)[Search by Tank ID](#)

Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT
802 EDISON ST
ANTIGO

Landowner Type: Private

Site Anniversary Date: October

County & Municipality

34 - LANGLADE

City of ANTIGO

Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)

RIISER OIL CO INC

PO Box 239

WAUSAU WI 54402

Dispensers have Sumps: Not Required

**Underground Storage Tank - ID: 483320, Wang ID: null, as of 07/01/2014, PTO Expiration:
08/28/2015**

Install Date:	12/13/1999	Capacity in Gallons:	8000	Contents:	Vapor Monitor
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	Y
Close Order Date:		Close Order By:			

Piping -

Flex Connectors: Y **UST mainfolded:** N **Related Tank ID:**

Type:		Aboveground Piping:		Aboveground Pipe Construction:	
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr
915469	AN	CLNI		2004
1045859	AN	CLNI		2005
1181409	AN	CLOS	12/20/2005	2006
1454530	AN	CLOS	07/10/2008	2008
1304801	AN	CLOS	02/22/2007	2007
1567121	AN	CLNI		2009
1822268	AN	CLOS	03/24/2011	2011
1718919	AN	CLOS	10/22/2009	2010
1966765	AN	CLOS	04/19/2012	2012
2119029	AN	CLOS	04/23/2013	2013
2105949	II	CLOS	06/26/2012	2012
2286205	AN	CLOS	03/31/2014	2014
2430622	AN			2015

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Wisconsin Department of Safety and Professional Services

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[Search by Site, Owner, or Tank Characteristics](#)
[Search by Tank ID](#)

Tank Detail

Site and Owner

Site Info

Facility ID: [151950](#) RIISER ANTIGO BULK PLANT
802 EDISON ST
ANTIGO

Landowner Type: Private

Site Anniversary Date: October Dispensers have Sumps: Not Required

County & Municipality

34 - LANGLADE
City of ANTIGO
Fire Dept ID: 3401 - Antigo

Owner

ID: [359061](#)
RIISER OIL CO INC
PO Box 239
WAUSAU WI 54402

Underground Storage Tank - ID: 483321, Wang ID: null, as of 07/01/2014, PTO Expiration: 08/28/2014

Install Date:	12/13/1999	Capacity in Gallons:	2000	Contents:	Vapor Monitor
Tank Occupancy:		Marketer:	Y	CAS Number:	
Federally Regulated:	Y	Spill Protection:		Overfill Protection:	
Overfill Prot Type:	90alrm95autoOff	Containment Sump Installed:	Yes		
Corrosion Protect Type:	Bare Steel	Date of Lining:		Lining Inspected Date:	
Leak Detection:	Automatic Tank Gauge	Cath Test Date:	07/10/2013	Cath Expire Date:	07/10/2014
Leak Test Meth:		Leak Expire Date:		Leak Test Date:	03/28/2014
Construction Material:	Automatic Shut Off	Wall Size:		Underground Piping:	Y
Close Order Date:		Close Order By:			

Piping -

Flex Connectors: Y **UST mainfolded:** N **Related Tank ID:**

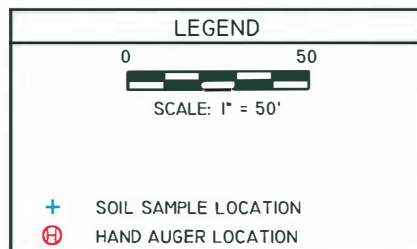
Type:		Aboveground Piping:		Aboveground Pipe Construction:	
Construction Material:		Corrosion Protect Type:	Lined Steel	Leak Detection:	Tightness Test
Cath Test Date:		Cath Expire Date:		Leak Test Meth:	
Leak Test Date:	07/10/2013	Leak Expire Date:	07/10/2014	Pipe Wall Size:	
Catastrophic Leak Detection:	Flow Restrictor	Cat Leak Test Date:	07/10/2013	Piping System Type:	

Inspections [Click here for login page](#)

Trans ID	Type	Status	Date	Fiscal Yr
915469	AN	CLNI		2004
1045859	AN	CLNI		2005
1181409	AN	CLOS	12/20/2005	2006
1454530	AN	CLOS	07/10/2008	2008
1304801	AN	CLOS	02/22/2007	2007
1567121	AN	CLNI		2009
1822268	AN	CLOS	03/24/2011	2011
1718919	AN	CLOS	10/22/2009	2010
1966765	AN	CLOS	04/19/2012	2012
2119029	AN	CLOS	04/23/2013	2013
2105949	II	CLOS	06/26/2012	2012
2286205	AN	CLOS	03/31/2014	2014
2430622	AN			2015

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Wisconsin Department of Safety and Professional Services



RIISER ENERGY (FORMER FERMANICH) BULK PLANT 802 EDISON STREET ANTIGO, WISCONSIN

FIGURE 2 : SITE MAP

PROJECT NO.

5275

DRAWN BY:
NAP

DATE:
2/3/2010



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

October 15, 2014

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

RE: Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

Dear Brian Bailey:

Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40104494001	CSS-1 @ 8' BLS	Solid	09/30/14 13:30	10/02/14 09:15
40104494002	CSS-2 @ 8' BLS	Solid	09/30/14 13:35	10/02/14 09:15
40104494003	CSS-3 @ 8' BLS	Solid	09/30/14 13:40	10/02/14 09:15
40104494004	CSS-4 @ 8' BLS	Solid	09/30/14 13:45	10/02/14 09:15
40104494005	CSS-5 @ 13' BLS	Solid	09/30/14 13:50	10/02/14 09:15
40104494006	CSS-6 @ 13' BLS	Solid	09/30/14 13:55	10/02/14 09:15
40104494007	CSS-7 @ 8' BLS	Solid	09/30/14 14:00	10/02/14 09:15
40104494008	CSS-8 @ 8' BLS	Solid	09/30/14 14:05	10/02/14 09:15
40104494009	CSS-9 @ 8' BLS	Solid	09/30/14 14:10	10/02/14 09:15
40104494010	CSS-10 @ 13' BLS	Solid	09/30/14 14:15	10/02/14 09:15
40104494011	CSS-11 @ 13' BLS	Solid	09/30/14 14:20	10/02/14 09:15
40104494012	CSS-12 @ 8' BLS	Solid	09/30/14 14:25	10/02/14 09:15
40104494013	CSS-13 @ 8' BLS	Solid	09/30/14 14:30	10/02/14 09:15
40104494014	CSS-14 @ 13' BLS	Solid	09/30/14 14:35	10/02/14 09:15
40104494015	CSS-15 @ 13' BLS	Solid	09/30/14 14:40	10/02/14 09:15
40104494016	CSS-16 @ 8' BLS	Solid	09/30/14 14:45	10/02/14 09:15
40104494017	CSS-17 @ 8' BLS	Solid	09/30/14 14:50	10/02/14 09:15
40104494018	CSS-18 @ 13' BLS	Solid	09/30/14 14:52	10/02/14 09:15
40104494019	CSS-19 @ 13' BLS	Solid	09/30/14 14:55	10/02/14 09:15
40104494020	CSS-20 @ 8' BLS	Solid	09/30/14 15:00	10/02/14 09:15
40104494021	CSS-21 @ 13' BLS	Solid	09/30/14 15:05	10/02/14 09:15
40104494022	CSS-22 @ 13' BLS	Solid	09/30/14 15:10	10/02/14 09:15
40104494023	CSS-23 @ 8' BLS	Solid	09/30/14 15:15	10/02/14 09:15
40104494024	CSS-24 @ 8' BLS	Solid	09/30/14 15:20	10/02/14 09:15
40104494025	CSS-25 @ 8' BLS	Solid	09/30/14 15:25	10/02/14 09:15
40104494026	CSS-26 @ 8' BLS	Solid	09/30/14 15:30	10/02/14 09:15
40104494027	CSS-27 @ 8' BLS	Solid	09/30/14 15:35	10/02/14 09:15
40104494028	CSS-28 @ 8' BLS	Solid	09/30/14 15:40	10/02/14 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40104494001	CSS-1 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494002	CSS-2 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494003	CSS-3 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494004	CSS-4 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494005	CSS-5 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494006	CSS-6 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494007	CSS-7 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494008	CSS-8 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494009	CSS-9 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	SKW	1
40104494010	CSS-10 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494011	CSS-11 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494012	CSS-12 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494013	CSS-13 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494014	CSS-14 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494015	CSS-15 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494016	CSS-16 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494017	CSS-17 @ 8' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494018	CSS-18 @ 13' BLS	WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1
40104494019	CSS-19 @ 13' BLS	WI MOD GRO	MRS	10

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40104494020	CSS-20 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494021	CSS-21 @ 13' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494022	CSS-22 @ 13' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494023	CSS-23 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494024	CSS-24 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494025	CSS-25 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494026	CSS-26 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494027	CSS-27 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
40104494028	CSS-28 @ 8' BLS	ASTM D2974-87	KEW	1
		WI MOD GRO	MRS	10
		ASTM D2974-87	KEW	1

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: **CSS-1 @ 8' BLS** Lab ID: 40104494001 Collected: 09/30/14 13:30 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	32.3J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	71-43-2	
Ethylbenzene	36.8J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 11:02	1634-04-4	W
Naphthalene	65.5	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	91-20-3	
Toluene	95.1	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	108-88-3	
1,2,4-Trimethylbenzene	72.9	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	95-63-6	
1,3,5-Trimethylbenzene	30.0J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	108-67-8	
m&p-Xylene	148	ug/kg	130	54.3	1	10/03/14 07:09	10/03/14 11:02	179601-23-1	
o-Xylene	51.4J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 11:02	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	10/03/14 07:09	10/03/14 11:02	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.9	%	0.10	0.10	1		10/13/14 13:18		

Sample: **CSS-2 @ 8' BLS** Lab ID: 40104494002 Collected: 09/30/14 13:35 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	30.9J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	71-43-2	
Ethylbenzene	43.9J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 11:27	1634-04-4	W
Naphthalene	107	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	91-20-3	
Toluene	126	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	108-88-3	
1,2,4-Trimethylbenzene	101	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	95-63-6	
1,3,5-Trimethylbenzene	41.2J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	108-67-8	
m&p-Xylene	195	ug/kg	127	52.7	1	10/03/14 07:09	10/03/14 11:27	179601-23-1	
o-Xylene	80.8	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 11:27	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	10/03/14 07:09	10/03/14 11:27	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.2	%	0.10	0.10	1		10/13/14 13:18		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: **CSS-3 @ 8' BLS** Lab ID: 40104494003 Collected: 09/30/14 13:40 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	57.7J	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	71-43-2	
Ethylbenzene	58.0J	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 11:53	1634-04-4	W
Naphthalene	105	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	91-20-3	
Toluene	178	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	108-88-3	
1,2,4-Trimethylbenzene	117	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	95-63-6	
1,3,5-Trimethylbenzene	49.4J	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	108-67-8	
m&p-Xylene	247	ug/kg	130	54.2	1	10/03/14 07:09	10/03/14 11:53	179601-23-1	
o-Xylene	88.8	ug/kg	65.0	27.1	1	10/03/14 07:09	10/03/14 11:53	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98 %		80-120		1	10/03/14 07:09	10/03/14 11:53	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.7 %		0.10	0.10	1		10/13/14 13:18		

Sample: **CSS-4 @ 8' BLS** Lab ID: 40104494004 Collected: 09/30/14 13:45 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	40.6J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	71-43-2	
Ethylbenzene	57.0J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:18	1634-04-4	W
Naphthalene	122	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	91-20-3	
Toluene	148	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	108-88-3	
1,2,4-Trimethylbenzene	134	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	95-63-6	
1,3,5-Trimethylbenzene	54.2J	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	108-67-8	
m&p-Xylene	241	ug/kg	130	54.2	1	10/03/14 07:09	10/03/14 12:18	179601-23-1	
o-Xylene	91.9	ug/kg	65.1	27.1	1	10/03/14 07:09	10/03/14 12:18	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99 %		80-120		1	10/03/14 07:09	10/03/14 12:18	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.8 %		0.10	0.10	1		10/13/14 13:18		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-5 @ 13' BLS Lab ID: 40104494005 Collected: 09/30/14 13:50 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 12:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 12:44	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%	80-120		1	10/03/14 07:09	10/03/14 12:44	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	10	%	0.10	0.10	1		10/13/14 13:18		

Sample: CSS-6 @ 13' BLS Lab ID: 40104494006 Collected: 09/30/14 13:55 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 13:09	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 13:09	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.8	%	0.10	0.10	1		10/13/14 13:18		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-7 @ 8" BLS Lab ID: 40104494007 Collected: 09/30/14 14:00 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 13:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 13:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 13:35	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.0	%	0.10	0.10	1		10/13/14 13:19		

Sample: CSS-8 @ 8" BLS Lab ID: 40104494008 Collected: 09/30/14 14:05 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 14:00	71-43-2	W
Ethylbenzene	39.2J	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 14:00	1634-04-4	W
Naphthalene	82.3	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	91-20-3	
Toluene	101	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	108-88-3	
1,2,4-Trimethylbenzene	88.3	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	95-63-6	
1,3,5-Trimethylbenzene	34.9J	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	108-67-8	
m&p-Xylene	156	ug/kg	130	54.4	1	10/03/14 07:09	10/03/14 14:00	179601-23-1	
o-Xylene	74.2	ug/kg	65.2	27.2	1	10/03/14 07:09	10/03/14 14:00	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 14:00	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.0	%	0.10	0.10	1		10/13/14 13:19		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-9 @ 8' BLS Lab ID: 40104494009 Collected: 09/30/14 14:10 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/03/14 07:09	10/03/14 14:26	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/03/14 07:09	10/03/14 14:26	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	9.7 %		0.10	0.10	1		10/13/14 13:19		

Sample: CSS-10 @ 13' BLS Lab ID: 40104494010 Collected: 09/30/14 14:15 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/03/14 07:09	10/03/14 14:51	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 14:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98 %		80-120		1	10/03/14 07:09	10/03/14 14:51	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.7 %		0.10	0.10	1		10/14/14 09:31		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-11 @ 13' BLS Lab ID: 40104494011 Collected: 09/30/14 14:20 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 15:42	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 15:42	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 15:42	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.1	%	0.10	0.10	1		10/14/14 09:31		

Sample: CSS-12 @ 8' BLS Lab ID: 40104494012 Collected: 09/30/14 14:25 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	49.7J	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	71-43-2	
Ethylbenzene	66.0J	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:08	1634-04-4	W
Naphthalene	122	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	91-20-3	
Toluene	170	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	108-88-3	
1,2,4-Trimethylbenzene	141	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	95-63-6	
1,3,5-Trimethylbenzene	66.3J	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	108-67-8	
m&p-Xylene	255	ug/kg	142	59.0	1	10/03/14 07:09	10/03/14 16:08	179601-23-1	
o-Xylene	107	ug/kg	70.8	29.5	1	10/03/14 07:09	10/03/14 16:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	10/03/14 07:09	10/03/14 16:08	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	15.2	%	0.10	0.10	1		10/14/14 09:31		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-13 @ 8' BLS Lab ID: 40104494013 Collected: 09/30/14 14:30 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	1634-04-4	W
Naphthalene	<26.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	91-20-3	W
Toluene	<26.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	95-63-6	W
1,3,5-Trimethylbenzene	<26.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 16:33	179601-23-1	W
o-Xylene	<26.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:33	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	96 %		80-120		1	10/03/14 07:09	10/03/14 16:33	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.6 %		0.10	0.10	1		10/14/14 09:32		

Sample: CSS-14 @ 13' BLS Lab ID: 40104494014 Collected: 09/30/14 14:35 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<26.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:59	71-43-2	W
Ethylbenzene	29.3J	ug/kg	61.9	25.8	1	10/03/14 07:09	10/03/14 16:59	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:59	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:59	91-20-3	W
Toluene	88.4	ug/kg	61.9	25.8	1	10/03/14 07:09	10/03/14 16:59	108-88-3	
1,2,4-Trimethylbenzene	47.9J	ug/kg	61.9	25.8	1	10/03/14 07:09	10/03/14 16:59	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 16:59	108-67-8	W
m&p-Xylene	121J	ug/kg	124	51.6	1	10/03/14 07:09	10/03/14 16:59	179601-23-1	
o-Xylene	50.2J	ug/kg	61.9	25.8	1	10/03/14 07:09	10/03/14 16:59	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/03/14 07:09	10/03/14 16:59	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	3.0 %		0.10	0.10	1		10/14/14 09:32		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-16 @ 13' BLS Lab ID: 40104494016 Collected: 09/30/14 14:40 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	71-43-2	W
Ethylbenzene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	100-41-4	W
Methyl-tert-butyl ether	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	1634-04-4	W
Naphthalene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	91-20-3	W
Toluene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	108-88-3	W
1,2,4-Trimethylbenzene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	95-63-6	W
1,3,5-Trimethylbenzene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	108-67-8	W
m&p-Xylene	<60.0 ug/kg		120	50.0	1	10/03/14 07:09	10/03/14 17:24	179601-23-1	W
o-Xylene	<26.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:24	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98 %		80-120		1	10/03/14 07:09	10/03/14 17:24	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	3.4 %		0.10	0.10	1		10/14/14 09:32		

Sample: CSS-16 @ 8' BLS Lab ID: 40104494016 Collected: 09/30/14 14:45 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/03/14 07:09	10/03/14 17:50	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/03/14 07:09	10/03/14 17:50	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98 %		80-120		1	10/03/14 07:09	10/03/14 17:50	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.5 %		0.10	0.10	1		10/14/14 09:32		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-17 @ 8' BLS Lab ID: 40104494017 Collected: 09/30/14 14:50 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 18:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	10/03/14 07:09	10/03/14 18:15	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.0	%	0.10	0.10	1		10/14/14 09:32		

Sample: CSS-18 @ 13' BLS Lab ID: 40104494018 Collected: 09/30/14 14:52 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 18:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 18:41	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 18:41	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.3	%	0.10	0.10	1		10/14/14 09:32		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-19 @ 13' BLS Lab ID: 40104494019 Collected: 09/30/14 14:55 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/03/14 07:09	10/03/14 19:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/03/14 07:09	10/03/14 19:06	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.5	%	0.10	0.10	1		10/14/14 09:32		

Sample: CSS-20 @ 8' BLS Lab ID: 40104494020 Collected: 09/30/14 15:00 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	30.8J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 19:31	71-43-2	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:31	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:31	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:31	91-20-3	W
Toluene	94.5	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 19:31	108-88-3	
1,2,4-Trimethylbenzene	35.7J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 19:31	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/03/14 07:09	10/03/14 19:31	108-67-8	W
m&p-Xylene	79.3J	ug/kg	127	52.8	1	10/03/14 07:09	10/03/14 19:31	179601-23-1	
o-Xylene	27.9J	ug/kg	63.3	26.4	1	10/03/14 07:09	10/03/14 19:31	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	10/03/14 07:09	10/03/14 19:31	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.3	%	0.10	0.10	1		10/14/14 09:32		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-21 @ 13' BLS Lab ID: 40104494021 Collected: 09/30/14 15:05 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/06/14 07:47	10/06/14 10:53	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 10:53	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	10/06/14 07:47	10/06/14 10:53	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.8	%	0.10	0.10	1		10/14/14 09:32		

Sample: CSS-22 @ 13' BLS Lab ID: 40104494022 Collected: 09/30/14 15:10 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	108-88-3	W
1,2,4-Trimethylbenzene	51.4J	ug/kg	62.9	26.2	1	10/06/14 07:47	10/06/14 11:19	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/06/14 07:47	10/06/14 11:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/06/14 07:47	10/06/14 11:19	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	10/06/14 07:47	10/06/14 11:19	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.7	%	0.10	0.10	1		10/14/14 09:32		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-23 @ 8' BLS Lab ID: 40104494023 Collected: 09/30/14 15:15 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 11:44	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 11:44	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/06/14 07:47	10/06/14 11:44	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.7 %		0.10	0.10	1		10/14/14 09:33		

Sample: CSS-24 @ 8' BLS Lab ID: 40104494024 Collected: 09/30/14 15:20 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 12:10	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:10	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	98 %		80-120		1	10/06/14 07:47	10/06/14 12:10	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	3.7 %		0.10	0.10	1		10/14/14 09:33		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-25 @ 8' BLS Lab ID: 40104494025 Collected: 09/30/14 15:25 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 12:35	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 12:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/06/14 07:47	10/06/14 12:35	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.7 %		0.10	0.10	1		10/14/14 09:33		

Sample: CSS-26 @ 8' BLS Lab ID: 40104494026 Collected: 09/30/14 15:30 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 13:01	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:01	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/06/14 07:47	10/06/14 13:01	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.1 %		0.10	0.10	1		10/14/14 09:33		

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ANALYTICAL RESULTS

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Sample: CSS-27 @ 8' BLS Lab ID: 40104494027 Collected: 09/30/14 15:35 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 13:26	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/06/14 07:47	10/06/14 13:26	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.1 %		0.10	0.10	1		10/14/14 09:33		

Sample: CSS-28 @ 8' BLS Lab ID: 40104494028 Collected: 09/30/14 15:40 Received: 10/02/14 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/06/14 07:47	10/06/14 13:52	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/06/14 07:47	10/06/14 13:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	97 %		80-120		1	10/06/14 07:47	10/06/14 13:52	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	9.4 %		0.10	0.10	1		10/14/14 09:33		

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QUALITY CONTROL DATA

Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

QC Batch: GCV/13292 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40104494001, 40104494002, 40104494003, 40104494004, 40104494005, 40104494006, 40104494007, 40104494008, 40104494009, 40104494010, 40104494011, 40104494012, 40104494013, 40104494014, 40104494015, 40104494016, 40104494017, 40104494018, 40104494019, 40104494020

METHOD BLANK: 1056932

Matrix: Solid

Associated Lab Samples: 40104494001, 40104494002, 40104494003, 40104494004, 40104494005, 40104494006, 40104494007, 40104494008, 40104494009, 40104494010, 40104494011, 40104494012, 40104494013, 40104494014, 40104494015, 40104494016, 40104494017, 40104494018, 40104494019, 40104494020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	10/03/14 09:45	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	10/03/14 09:45	
Benzene	ug/kg	<25.0	50.0	10/03/14 09:45	
Ethylbenzene	ug/kg	<25.0	50.0	10/03/14 09:45	
m&p-Xylene	ug/kg	<50.0	100	10/03/14 09:45	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	10/03/14 09:45	
Naphthalene	ug/kg	<25.0	50.0	10/03/14 09:45	
o-Xylene	ug/kg	<25.0	50.0	10/03/14 09:45	
Toluene	ug/kg	<25.0	50.0	10/03/14 09:45	
a,a,a-Trifluorotoluene (S)	%	97	80-120	10/03/14 09:45	

LABORATORY CONTROL SAMPLE & LCSD: 1056933

1056934

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1040	1080	104	108	80-120	4	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1020	1070	102	107	80-120	5	20	
Benzene	ug/kg	1000	1020	1030	102	103	80-120	1	20	
Ethylbenzene	ug/kg	1000	1040	1080	104	108	80-120	4	20	
m&p-Xylene	ug/kg	2000	2060	2160	103	108	80-120	5	20	
Methyl-tert-butyl ether	ug/kg	1000	889	907	89	91	80-120	2	20	
Naphthalene	ug/kg	1000	928	999	93	100	80-120	7	20	
o-Xylene	ug/kg	1000	1020	1060	102	106	80-120	4	20	
Toluene	ug/kg	1000	1010	1040	101	104	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				98	99	80-120			

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QUALITY CONTROL DATA

Project: 6791 ANTIGO BULK PLANT
 Pace Project No.: 40104494

QC Batch: GCV/13302 Analysis Method: WI MOD GRO
 QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
 Associated Lab Samples: 40104494021, 40104494022, 40104494023, 40104494024, 40104494025, 40104494026, 40104494027, 40104494028

METHOD BLANK: 1058597 Matrix: Solid
 Associated Lab Samples: 40104494021, 40104494022, 40104494023, 40104494024, 40104494025, 40104494026, 40104494027, 40104494028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	10/06/14 09:37	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	10/06/14 09:37	
Benzene	ug/kg	<25.0	50.0	10/06/14 09:37	
Ethylbenzene	ug/kg	<25.0	50.0	10/06/14 09:37	
m&p-Xylene	ug/kg	<50.0	100	10/06/14 09:37	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	10/06/14 09:37	
Naphthalene	ug/kg	<25.0	50.0	10/06/14 09:37	
o-Xylene	ug/kg	<25.0	50.0	10/06/14 09:37	
Toluene	ug/kg	<25.0	50.0	10/06/14 09:37	
a,a,a-Trifluorotoluene (S)	%	96	80-120	10/06/14 09:37	

LABORATORY CONTROL SAMPLE & LCSD: 1058598

1058599

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1020	1070	102	107	80-120	5	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1010	1070	101	107	80-120	5	20	
Benzene	ug/kg	1000	1030	1070	103	107	80-120	5	20	
Ethylbenzene	ug/kg	1000	1040	1100	104	110	80-120	6	20	
m&p-Xylene	ug/kg	2000	2040	2160	102	108	80-120	6	20	
Methyl-tert-butyl ether	ug/kg	1000	931	931	93	93	80-120	0	20	
Naphthalene	ug/kg	1000	953	966	95	97	80-120	1	20	
o-Xylene	ug/kg	1000	1000	1060	100	106	80-120	6	20	
Toluene	ug/kg	1000	1010	1050	101	105	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				98	98	80-120			

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(920)469-2436

QUALITY CONTROL DATA

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

QC Batch:	PMST/10464	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40104494001, 40104494002, 40104494003, 40104494004, 40104494005, 40104494006, 40104494007, 40104494008, 40104494009		

SAMPLE DUPLICATE: 1062841

Parameter	Units	40105137002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.7	20.6	5	10	

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QUALITY CONTROL DATA

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

QC Batch:	PMST/10471	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40104494010, 40104494011, 40104494012, 40104494013, 40104494014, 40104494015, 40104494016, 40104494017, 40104494018, 40104494019, 40104494020, 40104494021, 40104494022, 40104494023, 40104494024, 40104494025, 40104494026, 40104494027, 40104494028		

SAMPLE DUPLICATE: 1063219

Parameter	Units	40104494024 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.7	3.6	3	10	

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QUALIFIERS

Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
LOD - Limit of Detection.
LOQ - Limit of Quantitation.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6791 ANTIGO BULK PLANT
Pace Project No.: 40104494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40104494001	CSS-1 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494002	CSS-2 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494003	CSS-3 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494004	CSS-4 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494005	CSS-5 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494006	CSS-6 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494007	CSS-7 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494008	CSS-8 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494009	CSS-9 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494010	CSS-10 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494011	CSS-11 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494012	CSS-12 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494013	CSS-13 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494014	CSS-14 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494015	CSS-15 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494016	CSS-16 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494017	CSS-17 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494018	CSS-18 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494019	CSS-19 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494020	CSS-20 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13292	WI MOD GRO	GCV/13296
40104494021	CSS-21 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494022	CSS-22 @ 13' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494023	CSS-23 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494024	CSS-24 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494025	CSS-25 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494026	CSS-26 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494027	CSS-27 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494028	CSS-28 @ 8' BLS	TPH GRO/PVOC WI ext.	GCV/13302	WI MOD GRO	GCV/13308
40104494001	CSS-1 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494002	CSS-2 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494003	CSS-3 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494004	CSS-4 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494005	CSS-5 @ 13' BLS	ASTM D2974-87	PMST/10464		
40104494006	CSS-6 @ 13' BLS	ASTM D2974-87	PMST/10464		
40104494007	CSS-7 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494008	CSS-8 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494009	CSS-9 @ 8' BLS	ASTM D2974-87	PMST/10464		
40104494010	CSS-10 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494011	CSS-11 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494012	CSS-12 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494013	CSS-13 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494014	CSS-14 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494015	CSS-15 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494016	CSS-16 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494017	CSS-17 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494018	CSS-18 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494019	CSS-19 @ 13' BLS	ASTM D2974-87	PMST/10471		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6791 ANTIGO BULK PLANT

Pace Project No.: 40104494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40104494020	CSS-20 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494021	CSS-21 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494022	CSS-22 @ 13' BLS	ASTM D2974-87	PMST/10471		
40104494023	CSS-23 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494024	CSS-24 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494025	CSS-25 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494026	CSS-26 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494027	CSS-27 @ 8' BLS	ASTM D2974-87	PMST/10471		
40104494028	CSS-28 @ 8' BLS	ASTM D2974-87	PMST/10471		

REPORT OF LABORATORY ANALYSIS

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

UPPER MIDW
MN: 612-607



Pace Analytical®
www.pacelabs.com

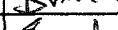
CHAIN OF CUSTODY

*Preservation Codes									
A=None	B=HCL	C=H ₂ SO ₄	D=HNO ₃	E=Dl Water	F=Methanol	G=NaOH			
H=Sodium Bisulfate Solution	I=Sodium Thiosulfate	J=Other							

FILTERED? (YES/NO)	Y/N	N	N						
PRESERVATION (CODE)*	Pick Letter	F	A						
rix Codes W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wine	Analyses Requested	C + B + HCL	WT.						

[illegible]

Date/Time:	PACE Project No. 40104494
Date/Time: m 12/14 0915	Receipt Temp = R02 °C
Date/Time:	Sample Receipt pH OK / Adjusted
Date/Time:	Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	Brian Bailey
Phone:	715-675-9784
Project Number:	6791
Project Name:	Antigo Bulk Plant
Project State:	WI
Sampled By (Print):	Brian J. Bailey
Sampled By (Sign):	



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	

FILTERED?
(YES/NO)

PRESERVATION
(CODE)*

Y/N	N	N						
Pick Letter	F	A						
Analyses Requested	PODC + Wapthane	Day wt.						

Quote #:	Page	
Mail To Contact:	Brian Bailey	
Mail To Company:	REI	
Mail To Address:	4080 N 203 Ave Wausau, WI 54401	
Invoice To Contact:	SAR	
Invoice To Company:	J	
Invoice To Address:		
Invoice To Phone:		
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

PO #:		Regulatory Program:	
<u>Data Package Options</u> (billable) ☐ EPA Level III ☐ EPA Level IV		<u>MS/MSD</u> ☐ On your sample (billable) ☐ NOT needed on your sample	
		<u>Matrix Codes</u> A = Air B = Biota C = Charcoal O = Oil S = Soil Sl = Sludge W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe	

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX		P	Q				COMM
		DATE	TIME								
014	CSS-14 @ 13' BLS	9/24/14	2:35P	S		X	X			1-4 m DIVE	1-4 m P4
015	CSS-15 @ 13' BLS	9/30/14	2:40P	S		X	X				
016	CSS-16 @ 8' BLS	9/30/14	2:45P	S		X	X				
017	CSS-17 @ 8' BLS	9/30/14	2:50P	S		X	X				
018	CSS-18 @ 13' BLS	9/30/14	2:52P	S		X	X				
019	CSS-19 @ 13' BLS	9/30/14	2:55P	S		X	X				
020	CSS-20 @ 8' BLS	9/30/14	3:00P	S		X	X				
021	CSS-21 @ 13' BLS	9/30/14	3:05P	S		X	X				
022	CSS-22 @ 13' BLS	9/30/14	3:10P	S		X	X				
023	CSS-23 @ 8' BLS	9/30/14	3:15P	S		X	X				
024	CSS-24 @ 8' BLS	9/30/14	3:20P	S		X	X				
025	CSS-25 @ 8' BLS	9/30/14	3:25P	S		X	X				
026	CSS-26 @ 8' BLS	9/30/14	3:30P	S		X	X				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		Relinquished By: <i>[Signature]</i> Date/Time: <i>10-1-14 @ 3:30</i>		Received By: _____ Date/Time: _____		PACE Project No. <i>40104494</i>	
Transmit Prelim Rush Results by (complete what you want):		Relinquished By: <i>Walters</i> Date/Time: <i>10/2/14 0915</i>		Received By: <i>S. Bunker</i> Date/Time: <i>10/2/14 0915</i>		Receipt Temp = <i>Rx</i> °C	
Email #1:		Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted	
Email #2:		Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present Intact / Not Intact	
Telephone:		Relinquished By:	Date/Time:	Received By:	Date/Time:		
Fax:		Relinquished By:	Date/Time:	Received By:	Date/Time:		
Samples on HOLD are subject to special pricing and release of liability							

Sample Condition Upon Receipt

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

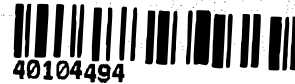
Pace Analytical

Client Name: REF

Project #: **WO# : 40104494**

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: WGL/TCO

Tracking #: 646927



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

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

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

Thermometer Used: NA

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

Cooler Temperature: Uncorr: RPT / Corr:

Biological Tissue is Frozen: ☐ yes

Temp Blank Present: ☐ yes ☒ no

☐ no

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

Person examining contents:

Date: 10/2/14

Initials: SB

Comments:

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

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted:

Date/Time:

Comments/ Resolution:

Project Manager Review:

Date:

10-2-14