wsp

WSP USA

3300 North "A" Street Building 1, Unit 222 Midland, Texas 79705 432.704.5178

July 28, 2021

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: Closure Request
Canvasback 13 Federal 003H
Incident Number NAPP2115932981
Eddy County, New Mexico

To Whom It May Concern:

WSP USA, Inc. (WSP) on behalf of Concho Operating, LLC (Concho), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Canvasback 13 Federal 003H (Site) located in Unit B, Section 13, Township 24 South, Range 31 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil and produced water at the Site. Based on the excavation activities and soil sample laboratory analytical results, Concho is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2115932981.

RELEASE BACKGROUND

On May 22, 2021, internal corrosion on the hammer union between tubing resulted in the release of approximately 5 barrels (bbls) of produced water and 1 bbl of crude oil onto the surface of the well pad. No released fluids were recovered. Concho reported the release to the New Mexico Oil Conversation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on June 8, 2021. The release was assigned Incident Number NAPP2115932981.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest permitted groundwater well with published depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03555, located approximately 2.68 miles northeast of the Site. The groundwater well records indicate a depth to water of 380 feet bgs and a total depth of 600 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.



The closest continuously flowing water or significant watercourse to the Site is a freshwater pond, located approximately 0.56 miles west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On May 27, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected three preliminary assessment soil samples (SS01 through SS03) within the release extent from a depth ranging from ground surface to 0.25 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

Preliminary soil samples SS01 through SS03 were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil samples SS01 through SS03 indicated that TPH and/or TPH-GRO/TPH-DRO concentrations exceeded the Closure Criteria. Chloride



concentrations were compliant with the Closure Criteria in all three preliminary soil samples. Based on visible staining in the release area, field screening activities, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On June 4, 2021, WSP personnel returned to the Site to oversee additional site assessment activities. Three potholes (PH01 through PH03) were advanced via backhoe within the release extent to assess the vertical extent of impacted soil. Potholes PH01 through PH03 were advanced at the SS01 through SS03 preliminary soil sample locations. Delineation soil samples were collected from potholes PH01 through PH03 from depths ranging from 1-foot to 6 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation pothole locations are depicted on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above.

Laboratory analytical results for the delineation soil samples collected from potholes PH01 through PH03 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and successfully defined the vertical extent of impacted soil.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

Between June 22, 2021 and July 7, 2021, WSP personnel returned to the Site to oversee excavation activities as indicated by visible staining in the release area, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were completed to remove the surficial staining in the release footprint and excavate the impacted soil in the areas surrounding preliminary soil samples SS01 through SS03. Excavation activities were performed using a track hoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to depths ranging from 1-foot to 3 feet bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite sidewall samples SW01 through SW03 were collected from the sidewalls of the deeper eastern and southern portions of the excavation, from depths ranging from the ground surface to 3 feet bgs. Composite floor samples FS01 through FS19, and FS14A were collected from the floor of the excavation from depths ranging from 1-foot bgs to 3 feet bgs. Due to the shallow depth of the western portion of the



excavation, the floor samples in this area represented the floor and sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation is included in Attachment 3.

Laboratory analytical results for excavation sidewall samples SW01 through SW03 and excavation floor samples FS01 through FS19, and FS14A indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, at the completion of excavation activities, all excavation sidewall and floor soil samples were compliant with the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

The final excavation extent measured approximately 3,775 square feet. At the completion of excavation activities, approximately 240 cubic yards of impacted soil were removed. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill located in Jal, New Mexico. After completion of confirmation sampling, the excavation area was fenced.

CLOSURE REQUEST

Site assessment and excavation activities were conducted to address the May 22, 2021 release of crude oil and produced water at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, at the completion of excavation activities, all excavation sidewall and floor soil samples were compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation is required. Concho will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and Concho believe the remedial actions completed are protective of human health, the environment, and groundwater. As such, Concho respectfully requests no further action for Incident Number NAPP2115932981. The finalized version of the Form C-141 is included in Attachment 5.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.





William Mather Assistant Consultant

Ashley L. Ager

Ashley L. Ager, P.G. Managing Director, Geologist

cc: Jacqui Harris, Concho Operating, LLC Bureau of Land Management

Attachments:

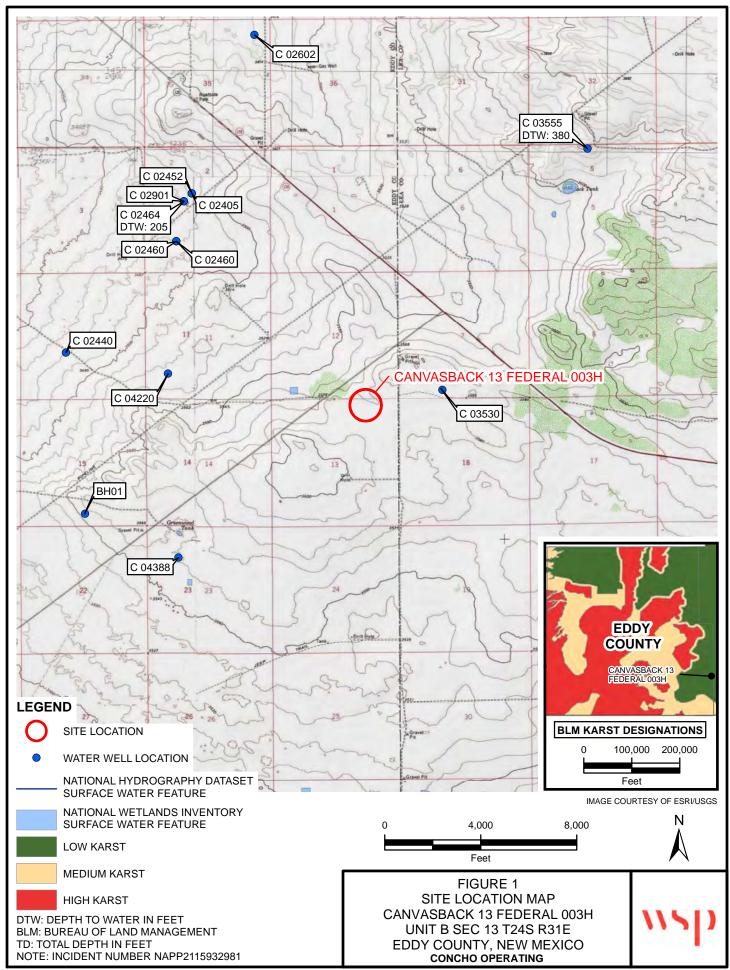
Figure 1	Site Location Map
Figure 2	Preliminary Soil Sample Locations
Figure 3	Delineation Soil Sample Locations
Figure 4	Excavation Soil Sample Locations
Table 1	Soil Analytical Results

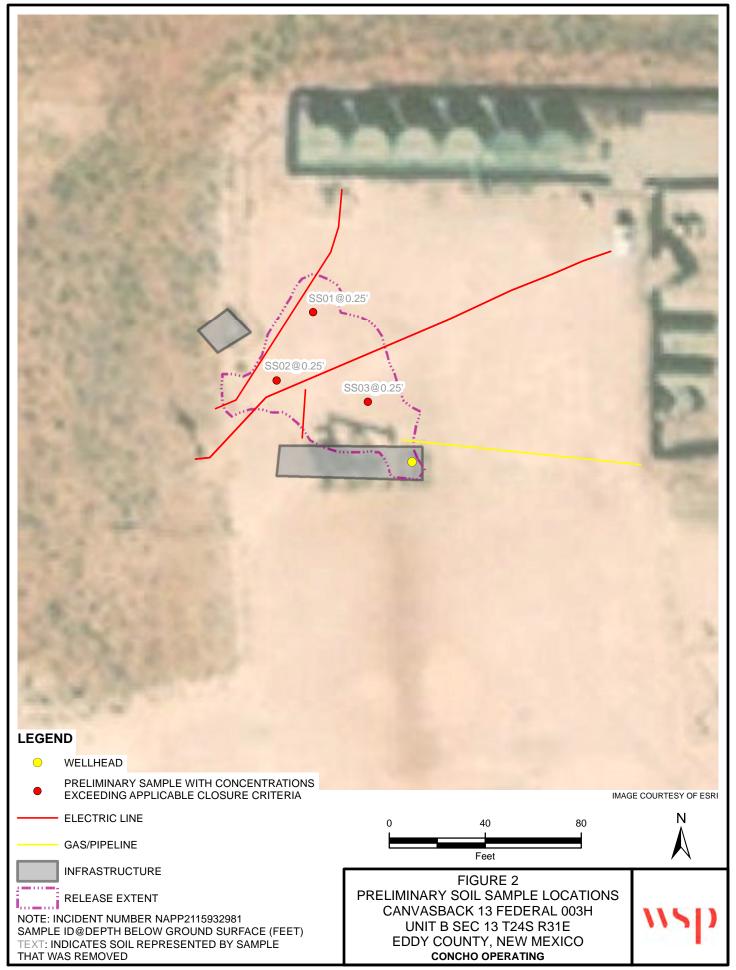
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/Sampling Log

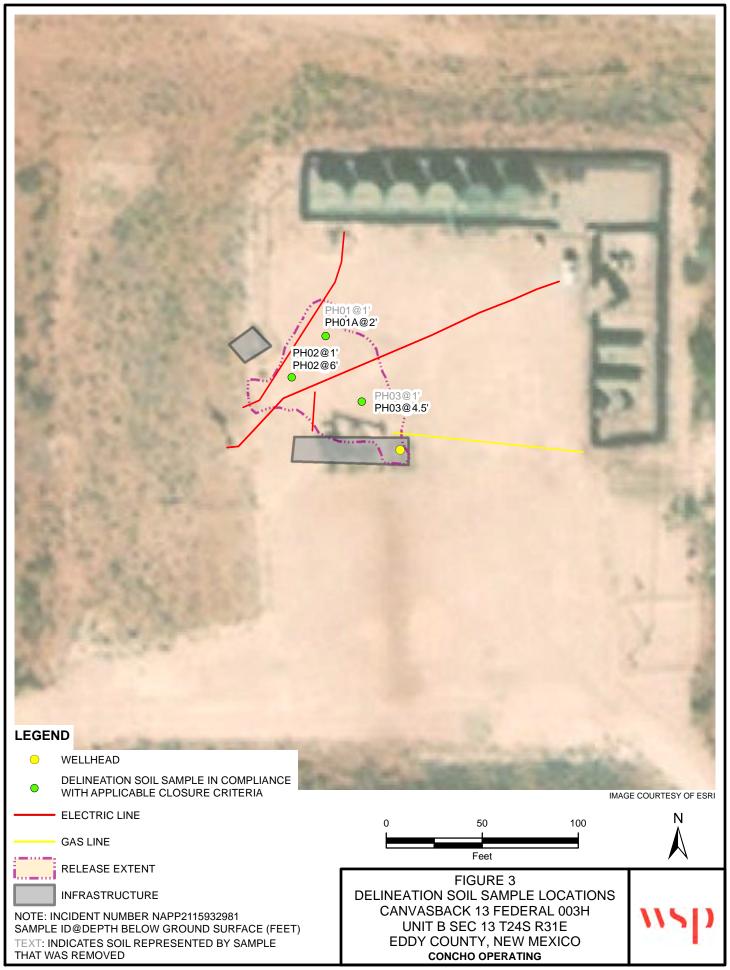
Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports

Attachment 5 Final C-141







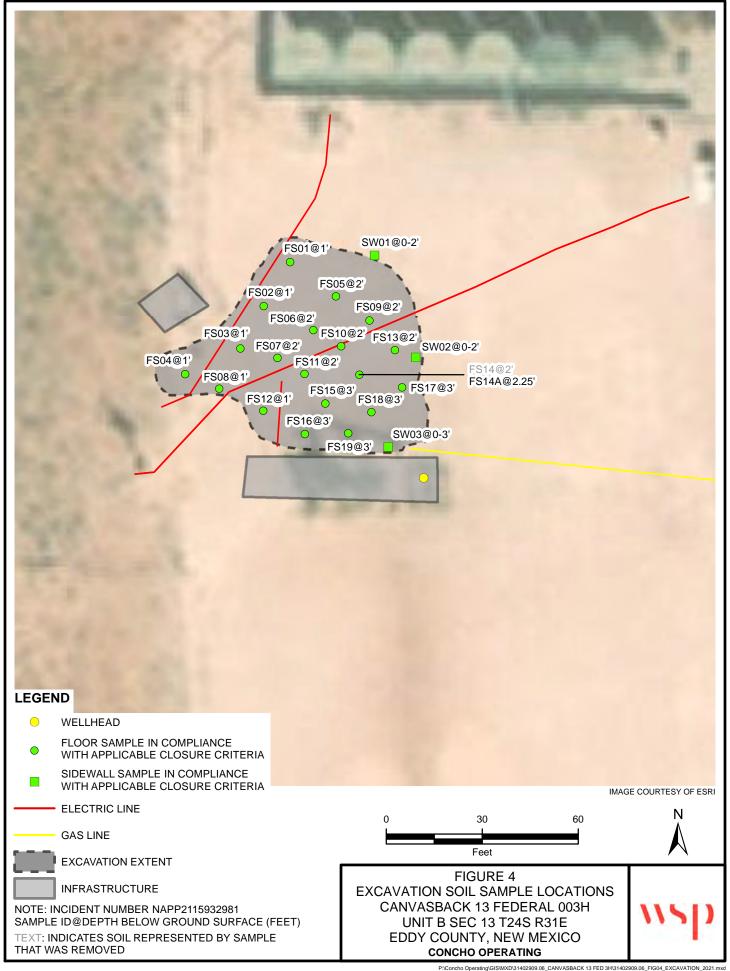


Table 1

Soil Analytical Results Canvasback 13 Federal 003H Incident Number NAPP2115932981 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Soil Sa	amples									
SS01	05/27/2021	0.25	< 0.0402	0.612	<49.9	2,140	278	2,140	2,420	5,490
SS02	05/27/2021	0.25	< 0.00998	0.259	<49.9	1,590	204	1,590	1,790	10,500
SS03	05/27/2021	0.25	< 0.0400	2.72	<250	6,110	748	6,110	6,860	11,400
Delineation Soil Sa	mples									
PH01	06/04/2021	1	< 0.00200	< 0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	1,120
PH01A	06/04/2021	2	< 0.00200	< 0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	88.3
PH02	06/04/2021	1	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	24.3
PH02A	06/04/2021	6	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	14.5
PH03	06/04/2021	1	< 0.00200	0.00913	<49.8	695	<49.8	695	695	2,770
PH03A	06/04/2021	4.5	< 0.00202	< 0.00404	<50.0	< 50.0	<50.0	<50.0	< 50.0	223
Excavation Floor Sa	amples									
FS01	06/22/2021	1	< 0.00200	< 0.00399	< 50.0	< 50.0	<50.0	< 50.0	<50.0	144
FS02	06/23/2021	1	< 0.00202	0.127	<49.7	<49.7	<49.7	<49.7	<49.7	18.4
FS03	06/22/2021	1	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	135
FS04	06/22/2021	1	< 0.00199	< 0.00398	< 50.0	< 50.0	<50.0	<50.0	< 50.0	61.5
FS05	06/22/2021	2	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	68.4
FS06	06/22/2021	2	< 0.00199	< 0.00398	< 50.0	< 50.0	<50.0	<50.0	< 50.0	183
FS07	06/22/2021	2	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	27.8
FS08	06/22/2021	1	< 0.00200	< 0.00400	< 50.0	<50.0	<50.0	<50.0	<50.0	290
FS09	06/23/2021	2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	265
FS10	06/23/2021	2	< 0.00200	< 0.00400	< 50.0	<50.0	<50.0	<50.0	<50.0	164
FS11	06/23/2021	2	< 0.00198	< 0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	465

Table 1

Soil Analytical Results Canvasback 13 Federal 003H Incident Number NAPP2115932981 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS12	06/23/2021	1	< 0.00200	< 0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	189
FS13	06/23/2021	2	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	478
FS14	06/23/2021	2	< 0.00199	< 0.00398	<50.0	58.6	<50.0	58.6	58.6	726
FS14A	07/07/2021	2.25	< 0.00201	< 0.00402	<50.0	< 50.0	< 50.0	<50.0	<50.0	356
FS15	06/23/2021	3	< 0.00202	< 0.00403	<50.0	< 50.0	< 50.0	<50.0	<50.0	61.1
FS16	06/23/2021	3	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	61.7
FS17	06/23/2021	3	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	107
FS18	06/23/2021	3	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	224
FS19	06/23/2021	3	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	208
Excavation Sidewall	Samples									
SW01	06/23/2021	0 - 2	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	326
SW02	06/23/2021	0 - 2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	11.2
SW03	06/23/2021	0 - 3	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	352

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Text

soil was excavated



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Q64 Q16 Q4 Sec Tws Rng

NA

Well Tag

POD Number C 03555 POD1

05 24S 32E

3569233 622748

Driller License:

1654

Driller Company:

NOT WORKING FOR HIRE--SIRMAN DRILLING

AND CONSTRUC

Driller Name: Drill Start Date:

10/20/2013

Drill Finish Date:

10/21/2013

Plug Date:

Shallow

Log File Date:

11/07/2013

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

5 GPM

Casing Size:

6.00

Depth Well:

600 feet

Depth Water:

380 feet

Water Bearing Stratifications:

Top Bottom Description

475

550 Sandstone/Gravel/Conglomerate

Casing Perforations:

Bottom Top 460 520

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.

5/26/21 3:42 PM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:		
osas water resources	Groundwater	~	United States	~	GO

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- Full News

Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs site_no list =

321421103464901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

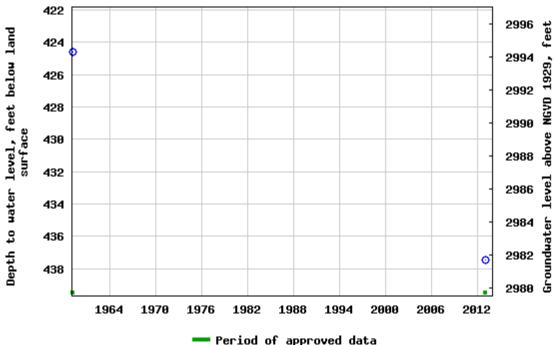
USGS 321421103464901 24S.31E.04.433422

Available data for this site	Groundwater:	Field measurements	~	GO	
Eddy County, New Mexico					
Hydrologic Unit Code 1306	0011				
Latitude 32°14'23.7", Lon	gitude 103°	946'47.8" NAD83			
Land-surface elevation 3,4	19.00 feet	above NGVD29			
The depth of the well is 62	7 feet belov	w land surface.			
This well is completed in th	ne Other aq	uifers (N9999OTH	IER)	national	aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Table of data Tab-separated data Graph of data Reselect period





- Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

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Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2021-05-26 17:56:25 EDT

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Received by OCD: 7/29/2021 12:23:03 PM

BH or PH Name: Date:
PH01 6/4/2021

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	11				WS	SP USA			PH01		6/4/2021	
				5	508 West	Stevens :	Street		Site Name:		Canvasback 13 Fed 3H	
				Car	508 West rlsbad, Ne	w Mexico	88220		RP or Incident Number:			
									LTE Job Numbe	r:	31402909.06	
		LITH	OLOC	SIC / SOIL			G		Logged By WM		Method: Backhoe	_
Lat/Lo	ng: 1269, -103	727860			Field Scre				Hole Diameter: 1.5'		Total Depth:	
Comm		.121009			Chloride,	רוח			1.0		2'	
		factor incl	luded ir	n Chloride co	oncentratio	ns						
Moisture Content		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)			Lithology/Remarks			
M	<184	0.0	N	PH01		1	COLIE	0' - 2' : C	aliche, moder	ately consoli	dated, silty, little sand, tan/l	ight
M	896	0.1	N	PH01A		2	CCHE	brown, m 2': Color	noist shift to tan/wh	nite		
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				5	08 West	Stevens :	Street		Site Name:	Ca	invasback 13 Fed 3H
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Num	nber:	
									LTE Job Number:		31402909.06
		LITH	OLOG	SIC / SOIL			G		Logged By WM		thod: Backhoe
Lat/Lo	ng: 121, -103.7	727931			Field Scre Chloride,	_			Hole Diameter: 1.5'	Tot 6'	al Depth:
Comm		27001			Chionae,	PID			1.5	O	
		actor incl	uded ir	n Chloride co	ncentration	ns					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)				Lithology/Rem	parks
20	0		(O)	Ö	(it bgs)		SN				
M	<184	46.0	Ν	PH02	1	1			Caliche, moder brown, moist	ately consolida	ated, silty, little sand,
M	<184	4.4	N	ļ		2				, poorly grade	d, some clay, red/brown,
M	<184	1	N	ļ	_	3		odor			·
M	<184	13.1	N			4		4' - 5' : C brown, n		ely consolidate	ed, silty, little sand, tan/light
7	-101	0.2	N	DLIOOA	 -	5 6	SM		and, large grain	, well graded,	some silt, little gravel,
D	<184	0.3	N	PH02A		0		red/tan T	D @ 6' bgs		
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7	17 (T	7	12.20.00		SP USA			BH or PH Name: PH03	Date: 6/4/2021	1456 21
\				5	08 West	Stavens 9	Stroot		Site Name:	Canvasback 13 Fed 3	Н
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Numb		
								LTE Job Number:	31402909.06		
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO	G		Logged By WM	Method: Backhoe	
Lat/Lo	ng:				Field Scre				Hole Diameter:	Total Depth:	
	1178, -103	.727804			Chloride,	PID			1.5'	4.5'	
40% C	Comments: 40% Correction factor included in Chloride concentrations										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		L	hology/Remarks	
M	1,601	99.2	N	PH03	1	1		0' - 1' : C	aliche, moderate	consolidated, silty, little sand, t	tan/light
	4 405	00.0	N.I		_			brown, n	noist		
D D	1,495 761	33.2 12.1	N N		_	2		1' - 4 5' ·	Caliche high cor	solidation, silty, trace sand, tan/	white
	701	12.1	14		-	3	CCHE	1 - 4.0 .	Cancric, riigir cor	solidation, sitty, trace sand, tan	write,
D	582	6.6	N			[
D D	476 296	5.2 0.4	Z Z	PH03A	_	_ 4					
	230	0.4	14	11100/4		5		TD	@ 4.5' bgs		
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	PHOTOGRAPHIC LOG	
Concho Operating, LLC.	Canvasback 13 Federal 003H	31402909.060
	Eddy County, New Mexico	

Photo No. Date
1 May 25, 2021
Initial view of release area.



Photo No. Date
2 May 25, 2021
Initial view of release area.





	PHOTOGRAPHIC LOG	
Concho Operating, LLC.	Canvasback 13 Federal 003H	31402909.060
	Eddy County, New Mexico	

 Photo No.
 Date

 3
 May 27, 2021

View of staining on pad during initial Site assessment facing southwest.



 Photo No.
 Date

 4
 May 27, 2021

View of staining on pad during initial Site assessment facing south.





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	PHOTOGRAPHIC LOG	
Concho Operating, LLC.	Canvasback 13 Federal 003H	31402909.060
	Eddy County, New Mexico	

Photo No. Date

Delineation activities at PH03 location.



Photo No. Date

6 June 4, 2021

Delineation activities at PH01 location.





	PHOTOGRAPHIC LOG	
Concho Operating, LLC.	Canvasback 13 Federal 003H	31402909.060
1 0	Eddy County, New Mexico	

Photo No. Date

June 22, 2021

View of excavation activities facing northeast.



Photo No. Date 8

June 23, 2021

View of excavation activities facing southeast.





Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-739-1

Client Project/Site: Canvasback 13 Fed 3 H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Kalei Jennings

WRAMER

Authorized for release by: 6/3/2021 9:47:32 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

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Released to Imaging: 10/20/2021 9:38:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc.

Laboratory Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery

CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry MDL Method Detection Limit

ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: WSP USA Inc.

Job ID: 890-739-1 Project/Site: Canvasback 13 Fed 3 H

Job ID: 890-739-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-739-1

Receipt

The samples were received on 5/27/2021 1:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SS01 (890-739-1), SS02 (890-739-2) and SS03 (890-739-3).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SS02 (890-739-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-3702 and analytical batch 880-3691 recovered outside control limits for the following analytes however both are within passing range: Gasoline Range Organics (GRO)-C6-C10

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Client Sample ID: SS01 Lab Sample ID: 890-739-1

Date Collected: 05/27/21 10:34 Matrix: Solid
Date Received: 05/27/21 13:37

Sample Depth: - 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
Toluene	0.144		0.0402		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
Ethylbenzene	0.108		0.0402		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
m-Xylene & p-Xylene	0.234		0.0805		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
o-Xylene	0.126		0.0402		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
Xylenes, Total	0.360		0.0805		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
Total BTEX	0.612		0.0805		mg/Kg		06/01/21 16:16	06/03/21 12:27	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				06/01/21 16:16	06/03/21 12:27	2
1,4-Difluorobenzene (Surr)	89		70 - 130				06/01/21 16:16	06/03/21 12:27	2
Analyte		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/01/21 14:04	Analyzed 06/02/21 01:21	Dil Fa
Analyte	Result	Qualifier		MDL		<u>D</u>			Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier		MDL		<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 2140	Qualifier	49.9	MDL	mg/Kg	<u> </u>	06/01/21 14:04 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result <49.9	Qualifier	49.9	MDL	mg/Kg	<u>D</u>	06/01/21 14:04	06/02/21 01:21	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 2140	Qualifier	49.9	MDL	mg/Kg	<u>D</u>	06/01/21 14:04 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21	
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 2140 278	Qualifier U	49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/01/21 14:04 06/01/21 14:04 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21 06/02/21 01:21	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 2140 278	Qualifier U	49.9 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 06/02/21 01:21	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.9 2140 278 2420 %Recovery	Qualifier U	49.9 49.9 49.9 49.9 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 Prepared	06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane 0-Terphenyl	Result <49.9 2140 278 2420 %Recovery 113 105	Qualifier U	49.9 49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 Prepared 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 Analyzed 06/02/21 01:21	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result	Qualifier U	49.9 49.9 49.9 49.9 Limits 70 - 130		mg/Kg mg/Kg mg/Kg	<u>D</u>	06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 06/01/21 14:04 Prepared 06/01/21 14:04	06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 06/02/21 01:21 Analyzed 06/02/21 01:21	Dil Fac

Client Sample ID: SS02

Date Collected: 05/27/21 10:38

Lab Sample ID: 890-739-2

Matrix: Solid

Date Received: 05/27/21 13:37

Sample Depth: - 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00998	U	0.00998		mg/Kg		06/01/21 16:16	06/03/21 14:06	5
Toluene	0.0201		0.00998		mg/Kg		06/01/21 16:16	06/03/21 14:06	5
Ethylbenzene	0.0131		0.00998		mg/Kg		06/01/21 16:16	06/03/21 14:06	5
m-Xylene & p-Xylene	<0.0798	U	0.0798		mg/Kg		06/01/21 16:16	06/03/21 13:25	20
o-Xylene	0.259		0.0399		mg/Kg		06/01/21 16:16	06/03/21 13:25	20
Xylenes, Total	0.259		0.0798		mg/Kg		06/01/21 16:16	06/03/21 13:25	20
Total BTEX	0.259		0.0798		mg/Kg		06/01/21 16:16	06/03/21 13:25	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130				06/01/21 16:16	06/03/21 13:25	20
4-Bromofluorobenzene (Surr)	123		70 - 130				06/01/21 16:16	06/03/21 14:06	5
1,4-Difluorobenzene (Surr)	91		70 - 130				06/01/21 16:16	06/03/21 13:25	20
1,4-Difluorobenzene (Surr)	101		70 - 130				06/01/21 16:16	06/03/21 14:06	5

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Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Client Sample ID: SS02 Lab Sample ID: 890-739-2

Date Collected: 05/27/21 10:38 Matrix: Solid Date Received: 05/27/21 13:37

Sample Depth: - 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/01/21 14:04	06/02/21 01:42	1
(GRO)-C6-C10									
Diesel Range Organics (Over	1590		49.9		mg/Kg		06/01/21 14:04	06/02/21 01:42	1
C10-C28)									
Oll Range Organics (Over	204		49.9		mg/Kg		06/01/21 14:04	06/02/21 01:42	1
C28-C36)									
Total TPH	1790		49.9		mg/Kg		06/01/21 14:04	06/02/21 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				06/01/21 14:04	06/02/21 01:42	1
o-Terphenyl	104		70 - 130				06/01/21 14:04	06/02/21 01:42	1
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10500		50.1		mg/Kg			06/02/21 00:04	10

Client Sample ID: SS03 Lab Sample ID: 890-739-3

Date Collected: 05/27/21 10:41 **Matrix: Solid**

Date Received: 05/27/21 13:37

Sample Depth: - 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0400	U	0.0400		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
Toluene	0.0606		0.0400		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
Ethylbenzene	0.422		0.0400		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
m-Xylene & p-Xylene	1.43		0.0800		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
o-Xylene	0.810		0.0400		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
Xylenes, Total	2.24		0.0800		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
Total BTEX	2.72		0.0800		mg/Kg		06/01/21 16:16	06/03/21 13:45	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/01/21 16:16	06/03/21 13:45	20
1,4-Difluorobenzene (Surr)	88		70 - 130				06/01/21 16:16	06/03/21 13:45	20
Method: 8015B NM - Diesel Ra	• • •	, , ,							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U	250		mg/Kg		06/01/21 14:04	06/02/21 02:03	5
(5.15) 55 515									
` ,	6110		250		mg/Kg		06/01/21 14:04	06/02/21 02:03	Ę
Diesel Range Organics (Over C10-C28)	6110								
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	6110 748		250 250		mg/Kg		06/01/21 14:04 06/01/21 14:04	06/02/21 02:03 06/02/21 02:03	
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	748		250		mg/Kg		06/01/21 14:04	06/02/21 02:03	5
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)									5
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	748	Qualifier	250		mg/Kg		06/01/21 14:04	06/02/21 02:03	Ę
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	748 6860	Qualifier	250 250		mg/Kg		06/01/21 14:04 06/01/21 14:04	06/02/21 02:03 06/02/21 02:03	Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	748 6860 %Recovery	Qualifier	250 250 <i>Limits</i>		mg/Kg		06/01/21 14:04 06/01/21 14:04 Prepared	06/02/21 02:03 06/02/21 02:03 Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	748 6860 <u>%Recovery</u> 121 117		250 250 Limits 70 - 130		mg/Kg		06/01/21 14:04 06/01/21 14:04 Prepared 06/01/21 14:04	06/02/21 02:03 06/02/21 02:03 Analyzed 06/02/21 02:03	Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	748 6860 **Recovery 121 117 nromatography -		250 250 Limits 70 - 130	MDL	mg/Kg	D	06/01/21 14:04 06/01/21 14:04 Prepared 06/01/21 14:04	06/02/21 02:03 06/02/21 02:03 Analyzed 06/02/21 02:03	5 Dil Fac

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6/3/2021

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-739-1	SS01	110	89	
890-739-2	SS02	154 S1+	91	
890-739-2	SS02	123	101	
890-739-3	SS03	125	88	
LCS 880-3706/1-A	Lab Control Sample	106	97	
LCSD 880-3706/2-A	Lab Control Sample Dup	107	92	
MB 880-3706/5-A	Method Blank	112	90	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-739-1	SS01	113	105	
890-739-2	SS02	112	104	
890-739-3	SS03	121	117	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3706/5-A **Matrix: Solid**

Lab Sample ID: LCS 880-3706/1-A

Analysis Batch: 3751

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3706

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/01/21 16:16	06/03/21 11:37	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/01/21 16:16	06/03/21 11:37	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/01/21 16:16	06/03/21 11:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/01/21 16:16	06/03/21 11:37	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3706

Analysis Batch: 3751 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09568 mg/Kg 96 70 - 130 Toluene 0.100 0.1054 105 mg/Kg 70 - 130 Ethylbenzene 0.100 0.1087 mg/Kg 109 70 - 130 m-Xylene & p-Xylene 0.200 0.2206 110 70 - 130 mg/Kg o-Xylene 0.100 0.1111 mg/Kg 111 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-3706/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 3751

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3706

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08897		mg/Kg		89	70 - 130	7	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	3	35
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2278		mg/Kg		114	70 - 130	3	35
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130	4	35

LCSD LCSD

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	92	70 - 130

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3679/1-A

Matrix: Solid

Analysis Batch: 3709

Analyte

Chloride

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв MDL Unit Dil Fac Result Qualifier RL D Prepared Analyzed <5.00 U 5.00 mg/Kg 06/01/21 22:46

Lab Sample ID: LCS 880-3679/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3709

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits

Chloride 250 246.1 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-3679/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3709

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 246.3 mg/Kg 90 - 110

Lab Sample ID: 890-739-3 MS **Client Sample ID: SS03 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3709

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 9980 22480 F1 Chloride 11400 111 90 - 110 mg/Kg

Lab Sample ID: 890-739-3 MSD

Matrix: Solid

Analysis Batch: 3709

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 11400 F1 9980 22480 F1 mg/Kg 111 90 - 110 20

Eurofins Xenco, Carlsbad

Client Sample ID: SS03

Prep Type: Soluble

QC Association Summary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

GC VOA

Prep Batch: 3706

Lab Sample ID 890-739-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
890-739-2	SS02	Total/NA	Solid	5035	
890-739-3	SS03	Total/NA	Solid	5035	
MB 880-3706/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3706/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3706/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-1	SS01	Total/NA	Solid	8021B	3706
890-739-2	SS02	Total/NA	Solid	8021B	3706
890-739-2	SS02	Total/NA	Solid	8021B	3706
890-739-3	SS03	Total/NA	Solid	8021B	3706
MB 880-3706/5-A	Method Blank	Total/NA	Solid	8021B	3706
LCS 880-3706/1-A	Lab Control Sample	Total/NA	Solid	8021B	3706
LCSD 880-3706/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3706

GC Semi VOA

Analysis Batch: 3691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-1	SS01	Total/NA	Solid	8015B NM	3702
890-739-2	SS02	Total/NA	Solid	8015B NM	3702
890-739-3	SS03	Total/NA	Solid	8015B NM	3702

Prep Batch: 3702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-1	SS01	Total/NA	Solid	8015NM Prep	
890-739-2	SS02	Total/NA	Solid	8015NM Prep	
890-739-3	SS03	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-1	SS01	Soluble	Solid	DI Leach	
890-739-2	SS02	Soluble	Solid	DI Leach	
890-739-3	SS03	Soluble	Solid	DI Leach	
MB 880-3679/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3679/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-739-3 MS	SS03	Soluble	Solid	DI Leach	
890-739-3 MSD	SS03	Soluble	Solid	DI Leach	

Analysis Batch: 3709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-1	SS01	Soluble	Solid	300.0	3679
890-739-2	SS02	Soluble	Solid	300.0	3679
890-739-3	SS03	Soluble	Solid	300.0	3679
MB 880-3679/1-A	Method Blank	Soluble	Solid	300.0	3679
LCS 880-3679/2-A	Lab Control Sample	Soluble	Solid	300.0	3679
LCSD 880-3679/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3679

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

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HPLC/IC (Continued)

Analysis Batch: 3709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-739-3 MS	SS03	Soluble	Solid	300.0	3679
890-739-3 MSD	SS03	Soluble	Solid	300.0	3679

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Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Client Sample ID: SS01 Lab Sample ID: 890-739-1

Date Collected: 05/27/21 10:34
Date Received: 05/27/21 13:37
Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3706	06/01/21 16:16	MR	XEN MID
Total/NA	Analysis	8021B		20	3751	06/03/21 12:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			3702	06/01/21 14:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3691	06/02/21 01:21	AM	XEN MID
Soluble	Leach	DI Leach			3679	06/01/21 09:04	CH	XEN MID
Soluble	Analysis	300.0		10	3709	06/01/21 23:59	CH	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-739-2

Date Collected: 05/27/21 10:38 Date Received: 05/27/21 13:37

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3706	06/01/21 16:16	MR	XEN MID
Total/NA	Analysis	8021B		20	3751	06/03/21 13:25	MR	XEN MID
Total/NA	Prep	5035			3706	06/01/21 16:16	MR	XEN MID
Total/NA	Analysis	8021B		5	3751	06/03/21 14:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			3702	06/01/21 14:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3691	06/02/21 01:42	AM	XEN MID
Soluble	Leach	DI Leach			3679	06/01/21 09:04	СН	XEN MID
Soluble	Analysis	300.0		10	3709	06/02/21 00:04	CH	XEN MID

Client Sample ID: SS03

Date Collected: 05/27/21 10:41

Lab Sample ID: 890-739-3

Matrix: Solid

Date Received: 05/27/21 13:37

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3706	06/01/21 16:16	MR	XEN MID
Total/NA	Analysis	8021B		20	3751	06/03/21 13:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			3702	06/01/21 14:04	DM	XEN MID
Total/NA	Analysis	8015B NM		5	3691	06/02/21 02:03	AM	XEN MID
Soluble	Leach	DI Leach			3679	06/01/21 09:04	CH	XEN MID
Soluble	Analysis	300.0		20	3709	06/02/21 00:09	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

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Matrix: Solid

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Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Texas		ogram	Identification Number	Expiration Date
		ELAP	T104704400-20-21	
The following analytes the agency does not of	' '	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: WSP USA Inc. Job ID: 890-739-1

Project/Site: Canvasback 13 Fed 3 H

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3 H

Job ID: 890-739-1

ab Sample ID Client Sample ID	Matrix	Collected	Received	Depth
390-739-1 SS01	Solid	05/27/21 10:34	05/27/21 13:37	- 0.25
390-739-2 SS02	Solid	05/27/21 10:38	05/27/21 13:37	- 0.25
390-739-3 SS03	Solid	05/27/21 10:41	05/27/21 13:37	- 0.25

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		2	5/27/11/11/27	2 5	1 (4)		~///~
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ture)	Received by: (Signature)	(Signature)	Relinguished by: (Signature)
	viously negonateu.	nalyzed. These terms will be emorced utiless previously negonated.	nitted to Xenco, but not a	\$5 for each sample subt	each project and a charge o	of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will	of Xenco. A minimum ch
	d terms and conditions ances beyond the control		nt company to Xenco, its	purchase order from clie responsibility for any lo	samples constitutes a valid s and shall not assume any	document and relinquishment of liable only for the cost of sample	Notice: Signature of this of service. Xenco will be
111		כם כו כט כע דם אווו אוט או ספ לש וי ט	AS DA DE	ICEP / SPEP BUTU. BRUKA	Wzed ICLP/S	Circle Method(s) and Metal(s) to be analyzed	Circle Method
Na Sr Ti Sn U V Zn	Ni K Se Ag SiO2	B Cd Ca Cr Co Cu Fe Pb	Al Sb As Ba B	13PPM Texas 11	~	010 200.8 / 6020:	Total 200.7 / 6010
				0			
					,		
							4
Discrete			× ×	0.25' 1	5/27/2021 10:41	s	\$\$03
Discrete			× ×	0.25' 1	5/27/2021 10:38	S	\$\$02
Discrete			×	0.25' 1	5/27/2021 10:34	S	SS01
Sample Comments 16			TPH (E	Depth	Date Time Sampled Sampled	ntification Matrix	Sample Identification
			EPA		Total Containers:	ils: Yes No N/A	Sample Custody Seals:
TAT starts the day recevied by the	_	- 1	0=8	-0.2	Correction Factor:	Yes	Cooler Custody Seals:
	ustody	890-739 Chain of Custody	021)		1-NM-00-		Received Intact:
)		Thermometer ID	5.6 / 5.4	Temperature (°C):
				No No	Yes No Wet Ice:	IPT Temp Blank:	SAMPLE RECEIPT
				Due Date:		William Mather	Sampler's Name:
				<u> </u>	Rush:	Eddy	P.O. Number:
				Routine d			Project Number:
Work Order Notes		ANALYSIS REQUEST		Turn Around		Canvasback 13 Fed 3H	Project Name:
Other:	Deliverables: EDD ADaPT	Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com Deli-	om, kalei.jennings@v	l: will.mather@wsp.c	Ema	(432) 236-3849	Phone:
RP Upvel IV	evel III	Rep		City, State ZIP:		Midland, Tx 79705	City, State ZIP:
		(0)		Address:		3300 North A Street	Address:
_RC _perfund	Program: UST/PST ☐RP ☐rownfields	Proj	Concho Operating	Company Name:	office	WSP USA Inc., Permian office	Company Name:
ients	Work Order Comments		lke Tavarez	Bill to: (if different)		Kalei Jennings	Project Manager:
Page of	www.xenco.com	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	(480-355-0900) Atlanta	392-7550) Phoenix,AZ	Hobbs,NM (575-	ACCRATORES	
 		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland TX (432-704-5440) FI Paso TX (915)585-3443 Lubbock TX (806)794-1296	Dallas,TX (214) 902-03	ston,TX (281) 240-4200 lland TX (432-704-5440	Hous		×
2021	Work Order No:	Sustody	Chain of Custody				

eurofins |

America Environment Testing

Chain of Custody Record

State, Zip TX, 79701 Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. Empty Kit Relinquished by Possible Hazard Identification SS01 (890-739-1) Midland Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 elinquished by Deliverable Requested Till III IV Other (specify) SS03 (890-739-3) SS02 (890-739-2) Sample Identification - Client ID (Lab ID) Canvasback 13 Fed 3 H 132-704-5440(Tel) 1211 W Florida Ave Eurofins Xenco Shipping/Receiving Client Information elinquished by linquished by roject Name: Custody Seals Intact. (Sub Contract Lab) Custody Seal No 5 Project #: 88000207 Date/Time Primary Deliverable Rank Due Date Requested 6/3/2021 Ŏ # TAT Requested (days): hone. Sample Date 5/27/21 5/27/21 5/27/21 Date Mountain 10 41 Mountain 10 38 Mountair 10 34 (C=comp G=grab Sample Preservation Code: Type Company Company Company Matrix Solid Solid Solid jessica kramer@eurofinset.com Accreditations Required (See note) NELAP - Texas Lab PM Kramer, Jessica ime Field Filtered Sample (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mont Special Instructions/QC Requirements Perform MS/MSD (Yes or No) Cooler Temperature(s) °C and Other Remarks Received by \times 300_ORGFM_28D/DI_LEACH Chloride × × 8015MOD_NM/8015NM_S_Prep Full TPH × × × 8021B/6035FP_Calc BTEX - LL Analysis Requested State of Origin New Mexico Carrier Tracking No(s) Method of Shipmen)ate/Time 54 Total Number of containers (M) A HCL B NAOH C. TA Acetate D. Nitric Acid E NaHSO4 F- MeOH H Ascorbic Acid Page: Page 1 of 1 COC No: 890-243 1 Preservation Co 890-739-1 lce J DI Water C EDTA EDA N § < C H O R O P O Z S Company Company M Hexane N None N None O AsNAO2 P Na2O4S P Na2O4S R Na2S2O3 S H2SO4 T TSP Dodecahydrate U Acetone V MCAA V pH 4-5 Months other (specify)

Ver

11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-739-1

SDG Number:

Login Number: 739 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Job Number: 890-739-1

SDG Number:

Login Number: 739 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 06/01/21 11:47 AM

Creator: Copeland, Tatiana

Client: WSP USA Inc.

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

<6mm (1/4").

Released to Imaging: 10/20/2021 9:38:24 AM

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-778-1

Laboratory Sample Delivery Group: 31402909.06 Client Project/Site: Canvasback 13 Fed 3H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MAMER

Authorized for release by: 6/9/2021 8:33:08 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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Released to Imaging: 10/20/2021 9:38:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc. Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-778-1 SDG: 31402909.06

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-778-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Qualifiers

GC VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-778-1

SDG: 31402909.06

Job ID: 890-778-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-778-1

Receipt

The samples were received on 6/4/2021 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-778-1 SDG: 31402909.06

Lab Sample ID: 890-778-1

Matrix: Solid

Client Sample ID: PH03

Date Collected: 06/04/21 09:45 Date Received: 06/04/21 13:35

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
m-Xylene & p-Xylene	0.00682		0.00399	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
o-Xylene	0.00231		0.00200	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
Xylenes, Total	0.00913		0.00399	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
Total BTEX	0.00913		0.00399	mg/Kg		06/07/21 08:46	06/07/21 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			06/07/21 08:46	06/07/21 21:10	1
4-Dioinolidorobenzene (Suit)								
1,4-Difluorobenzene (Surr)	108		70 - 130			06/07/21 08:46	06/07/21 21:10	1
(,	108 ge Organics (DI	RO) (GC) Qualifier	70 ₋ 130 R L	Unit	D	06/07/21 08:46 Prepared	06/07/21 21:10 Analyzed	1 Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	108 ge Organics (DI	Qualifier		Unit mg/Kg	<u>D</u>			
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI	Qualifier	RL		<u>D</u>	Prepared	Analyzed	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <49.8	Qualifier U	RL	mg/Kg	<u>D</u>	Prepared 06/07/21 09:23	Analyzed 06/07/21 14:21	·
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <49.8	Qualifier U	RL 49.8 49.8	mg/Kg	<u> </u>	Prepared 06/07/21 09:23 06/07/21 09:23	Analyzed 06/07/21 14:21 06/07/21 14:21	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	108 ge Organics (DI Result <49.8 695 <49.8	Qualifier U	RL 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/07/21 09:23 06/07/21 09:23 06/07/21 09:23	Analyzed 06/07/21 14:21 06/07/21 14:21 06/07/21 14:21	·
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	108 ge Organics (DI Result <49.8 695 <49.8 695	Qualifier U	RL 49.8 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/07/21 09:23 06/07/21 09:23 06/07/21 09:23 06/07/21 09:23	Analyzed 06/07/21 14:21 06/07/21 14:21 06/07/21 14:21 06/07/21 14:21	Dil Fac 1 1 1

Client Sample ID: PH03A Lab Sample ID: 890-778-2 Date Collected: 06/04/21 11:02

RL

24.8

Unit

mg/Kg

D

Prepared

Result Qualifier

2770

Date Received: 06/04/21 13:35

Sample Depth: - 4.5

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/07/21 08:46	06/07/21 21:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130			06/07/21 08:46	06/07/21 21:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130			06/07/21 08:46	06/07/21 21:30	1

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Matrix: Solid

Dil Fac

Analyzed

06/08/21 21:21

Matrix: Solid

Client Sample Results

Client: WSP USA Inc. Job ID: 890-778-1

Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH03A Lab Sample ID: 890-778-2 Date Collected: 06/04/21 11:02 Date Received: 06/04/21 13:35

Sample Depth: - 4.5

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 14:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 14:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 14:42	1
Total TPH	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			06/07/21 09:23	06/07/21 14:42	1
o-Terphenyl	71		70 - 130			06/07/21 09:23	06/07/21 14:42	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		4.99	mg/Kg			06/08/21 21:26	1

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-778-1	PH03	129	108	
890-778-2	PH03A	137 S1+	105	
LCS 880-3824/1-A	Lab Control Sample	111	104	
LCSD 880-3824/2-A	Lab Control Sample Dup	108	106	
MB 880-3824/5-A	Method Blank	85	94	
Surrogate Legend				

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-778-1	PH03	85	71	
90-778-2	PH03A	84	71	
LCS 880-3830/2-A	Lab Control Sample	93	72	
LCSD 880-3830/3-A	Lab Control Sample Dup	94	74	
MB 880-3830/1-A	Method Blank	89	74	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-778-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3824/5-A

Matrix: Solid

Analysis Batch: 3827

Client Sample ID: Method Blank

Prop Type: Total/NA

Prep Type. Total/NA
Prep Batch: 3824

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/07/21 08:46	06/07/21 13:40	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/07/21 08:46	06/07/21 13:40	1

MB MB

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	70 - 130	06/07/21 08:46	06/07/21 13:40	1
1,4-Difluorobenzene (Surr)	94	70 - 130	06/07/21 08:46	06/07/21 13:40	1

Lab Sample ID: LCS 880-3824/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3827

Prep Type: Total/NA Prep Batch: 3824

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09205 mg/Kg 92 70 - 130 Toluene 0.100 0.08939 mg/Kg 89 70 - 130 Ethylbenzene 0.100 0.09381 mg/Kg 94 70 - 130 m-Xylene & p-Xylene 0.200 0.2005 100 70 - 130 mg/Kg

0.1015

mg/Kg

0.100

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-3824/2-A

Matrix: Solid

o-Xylene

Analysis Batch: 3827

Client Sample ID: Lab Control Sample Dup

70 - 130

102

Prep Type: Total/NA

Prep Batch: 3824

S	pike LCSD	LCSD			%Rec.		RPD
Analyte Ad	dded Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Benzene 0.	0.100 0.09518	mg/Kg		95	70 - 130	3	35
Toluene 0.	0.100 0.09151	mg/Kg		92	70 - 130	2	35
Ethylbenzene 0.	0.100 0.09731	mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene 0.	0.200 0.2073	mg/Kg		104	70 - 130	3	35
o-Xylene 0.	0.1049	mg/Kg		105	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Client: WSP USA Inc.

Job ID: 890-778-1

SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3830/1-A

Project/Site: Canvasback 13 Fed 3H

Analysis Batch: 3835

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3830

	MB	3 MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/07/21 09:23	06/07/21 12:16	1
o-Terphenyl	74		70 - 130	06/07/21 09:23	06/07/21 12:16	1

Lab Sample ID: LCS 880-3830/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA

Analysis Batch: 3835 Prep Batch: 3830 LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits

Gasoline Range Organics 1000 793.2 79 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 840.4 mg/Kg 84 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: LCSD 880-3830/3-A

Matrix: Solid

Analysis Batch: 3835

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3830

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	 1000	792.7		mg/Kg		79	70 - 130	0	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	859.9		mg/Kg		86	70 - 130	2	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	74		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3838/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 3904

Prep Type: Soluble

MB MB Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed <5.00 U Chloride 5.00 mg/Kg 06/08/21 20:43

QC Sample Results

Client: WSP USA Inc. Job ID: 890-778-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3838/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3904

		Spike	LCS	LCS				%Rec.		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	 	250	251.2		mg/Kg		100	90 - 110	 	

Lab Sample ID: LCSD 880-3838/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3904

	Spike	LCSD	LCSD			%Rec.		RPD
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	254.5	ma/Ke		102	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-778-1 SDG: 31402909.06

GC VOA

Prep Batch: 3824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Bato
890-778-1	PH03	Total/NA	Solid	5035
890-778-2	PH03A	Total/NA	Solid	5035
MB 880-3824/5-A	Method Blank	Total/NA	Solid	5035
LCS 880-3824/1-A	Lab Control Sample	Total/NA	Solid	5035
LCSD 880-3824/2-A	Lab Control Sample Dup	Total/NA	Solid	5035

Analysis Batch: 3827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-778-1	PH03	Total/NA	Solid	8021B	3824
890-778-2	PH03A	Total/NA	Solid	8021B	3824
MB 880-3824/5-A	Method Blank	Total/NA	Solid	8021B	3824
LCS 880-3824/1-A	Lab Control Sample	Total/NA	Solid	8021B	3824
LCSD 880-3824/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3824

GC Semi VOA

Prep Batch: 3830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-778-1	PH03	Total/NA	Solid	8015NM Prep	
890-778-2	PH03A	Total/NA	Solid	8015NM Prep	
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-778-1	PH03	Total/NA	Solid	8015B NM	3830
890-778-2	PH03A	Total/NA	Solid	8015B NM	3830
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015B NM	3830
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3830
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3830

HPLC/IC

Leach Batch: 3838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-778-1	PH03	Soluble	Solid	DI Leach	
890-778-2	PH03A	Soluble	Solid	DI Leach	
MB 880-3838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-778-1	PH03	Soluble	Solid	300.0	3838
890-778-2	PH03A	Soluble	Solid	300.0	3838
MB 880-3838/1-A	Method Blank	Soluble	Solid	300.0	3838
LCS 880-3838/2-A	Lab Control Sample	Soluble	Solid	300.0	3838
LCSD 880-3838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3838

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Lab Chronicle

Client: WSP USA Inc. Job ID: 890-778-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH03

Date Received: 06/04/21 13:35

Lab Sample ID: 890-778-1 Date Collected: 06/04/21 09:45

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3824	06/07/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	3827	06/07/21 21:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			3830	06/07/21 09:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3835	06/07/21 14:21	AJ	XEN MID
Soluble	Leach	DI Leach			3838	06/07/21 10:18	CH	XEN MID
Soluble	Analysis	300.0		5	3904	06/08/21 21:21	CH	XEN MID

Client Sample ID: PH03A

Lab Sample ID: 890-778-2 Date Collected: 06/04/21 11:02 **Matrix: Solid**

Date Received: 06/04/21 13:35

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3824	06/07/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	3827	06/07/21 21:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			3830	06/07/21 09:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3835	06/07/21 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			3838	06/07/21 10:18	СН	XEN MID
Soluble	Analysis	300.0		1	3904	06/08/21 21:26	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Released to Imaging: 10/20/2021 9:38:24 AM

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-778-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-20-21	06-30-21
,	. ,	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for w
the agency does not of	fer certification.			
Analysis Method	fer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	

Method Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-778-1

SDG: 31402909.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-778-1

SDG: 31402909.06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-778-1	PH03	Solid	06/04/21 09:45	06/04/21 13:35	- 1
890-778-2	PH03A	Solid	06/04/21 11:02	06/04/21 13:35	- 4.5

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	State of Project:	S	Address:	A Street	3300 North A Street	Address:
<u> </u>	Program: UST/PST □RP □ rownfields □RC 뉩		Company Name: Concho Operating	WSP USA Inc., Permian office	WSP USA I	Company Name:
	Work Order Comments	ke Tavarez	Bill to: (if different) lke Tavarez	ngs	Kalei Jennir	Project Manager: Kalei Jennings
) www.xenco.com Page	Houston,TX (281) 240-4200 Dalias,TX (214) 902-0300 San Antonio,TX (210) 909-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	ton.TX (281) 240-4200 [land.TX (432-704-5440) 392-7550) Phoenix.AZ (4	-	XMZCO	2
	Work Order No:	Chain of Custody	0			

Revised Date 051418 Rev. 2018 1			5				5
			4				ω
			3/4/4/13:35 2	6	N. Mu	1	1 W. K
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Signature)	Received by: (Signature	y: (Signature)	Relipquished by: (Signature
	rms and conditions s beyond the control sly negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontract of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such loss of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will	a valid purchase order from me any responsibility for any rarge of \$5 for each sample si	nent of samples constitutes samples and shall not assu igd to each project and a ch	document and relinquishmable liable only for the cost of narge of \$75.00 will be appleading.	Notice: Signature of this of service. Xenco will be of Xenco. A minimum ct
77470 / 7471 . 119	1631/245.1/14/0	Cr Co Cu Pb Mn Mo Ni Se Ag	RA Sb As Ba Be Cd Cr	TCLP / SPLP 6010 BRCRA	П	Circle Method(s) and Metal(s) to be analyzed	Circle Method
Zn	Ni K Se Ag SiO2	Ca Cr Co	Al Sb As Ba	RA 13PPM Texas 11		010 200.8 / 6020:	Total 200.7 / 6010
			-				
			X				
				Mil			
			3				
							/
Discrete			× ×	11:02 4.5'	6/4/2021 1	3A s	РНОЗА
Discrete			× ×	9:45 1'	6/4/2021 9)3 s	РН03
Sample Comments 16	Sam		Numb TPH (E BTEX	Time Depth	Matrix Sampled Sar		Sample Identification
lab, if received by 4:30pm	ab,		PA 8		N/A Total Containers:	Yes No	Sample Custody Seals:
the			015)	10.8	N/A Correction Factor:	Yes No	Cooler Custody Seals:
		890-778 Chain of Custody	021)	007	J- NM-	, Yes No	Received Intact:
				Thermometer ID	CB	50/4	Temperature (°C):
				Wet Ice: Yes No	(Yes) No	IPT Temp Blank:	SAMPLE RECEIPT
				Due Date:	William Mather	Willian	Sampler's Name:
				Rush:	Eddy		P.O. Number:
				Routine	31402909.06	3140	Project Number:
Work Order Notes	Wor	ANALYSIS REQUEST		Turn Around	Canvasback 13 Fed 3H	Canvasba	Project Name:
Other:	Deliverables: EDD ADaPT O	oncho.com	Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@c	Email: will.mather@wsj		(432) 236-3849	Phone:
RP Upvel IV	□evel III □ST/UST □	Reportir		City, State ZIP:		Midland, Tx 79705	City, State ZIP:

1089 N Canal St.

Eurofins Xenco, Carlsbad

13 14

Chain of Custody Record

	-	

🤔 eurofins

Environment Testing America

State, Zip TX 79701 Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysisfiests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. PH03 (890-778-1) empty Kit Relinquished by Deliverable Requested I II III IV Other (specify) 432-704-5440(Tel) ossible Hazard Identification PH03A (890-778-2) Sample Identification - Client ID (Lab ID) Midland Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199 elinquished by: Custody Seals Intact. elinquished by linquished by 211 W Florida Ave anvasback 13 Fed 3H oject Name rofins Xenco nipping/Receiving lient Information (Sub Contract Lab) Δ Yes Δ S E Custody Seal No 0 O ユン/ Date/Time Primary Deliverable Rank Phone: Date/Time Date/Time: WO# Due Date Requested 6/10/2021 89000004 TAT Requested (days) roject # 6/4/21 6/4/21 Mountain 11 02 Mountain Sample 09 45 N (C=comp, G=grab) Sample Preservation Code: Type Company Company Company Matrix Solid Solid jessica kramer@eurofinset com E-Mail Kramer Jessica I Ime Accreditations Required (See note)
NELAP - Louisiana NELAP - Texas Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by × × 8015MOD_NM/8015NM_S_Prep Full TPH Cooler Temperature(s) °C and Other Remarks × × 300_ORGFM_28D/DI_LEACH Chloride 8021B/5035FP_Calc BTEX × × Analysis Requested State of Origin
New Mexico Carrier Tracking No(s) Method of Shipment Date/Time Total Number of containers COC No: 890-252 1 mm∪0æ> I O Preservation Codes 390-778-1 Page 1 of 1 Zn Acetate
Nitric Acid
NaHSO4
MeOH
3 Amchlor Ascorbic Acid
Ice
Ice
IDI Water
CEDTA
EDA NaOH HCL Special Instructions/Note QK0FJ>34 UOZ≤ Company Jompany Acetone MCAA pH 4-5 Hexane None AsNaO2 Na2O4S Na2SO3 Na2S2O3 H2SO4 other (specify) TSP Dodecahydrate Months

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-778-1 SDG Number: 31402909.06

Login Number: 778 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-778-1 SDG Number: 31402909.06

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 06/07/21 08:49 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	·
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

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6/9/2021

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-779-1

Laboratory Sample Delivery Group: 31402909.06 Client Project/Site: Canvasback 13 Fed 3H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MEAMER

Authorized for release by: 6/9/2021 8:34:23 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-779-1

SDG: 31402909.06

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Qualifiers

GC VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-779-1

SDG: 31402909.06

Job ID: 890-779-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-779-1

Receipt

The samples were received on 6/4/2021 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH02 (890-779-1) and PH02A (890-779-2).

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: PH02A (890-779-2). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following sample was outside control limits: PH02A (890-779-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: WSP USA Inc.

Client Sample ID: PH02

Date Collected: 06/04/21 09:12

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Lab Sample ID: 890-779-1

Matrix: Solid

Job ID: 890-779-1

Date Received: 06/04/21 13:35 Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/07/21 08:42	06/07/21 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/21 08:42	06/07/21 13:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/07/21 08:42	06/07/21 13:14	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:03	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:03	1
Total TPH	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			06/07/21 09:23	06/07/21 15:03	1
o-Terphenyl	71		70 - 130			06/07/21 09:23	06/07/21 15:03	1

Method: 300.0 - Anions, Ion Chror	matography - S	oluble						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.3		4.99	mg/Kg			06/08/21 21:32	1

Client Sample ID: PH02A Lab Sample ID: 890-779-2 Date Collected: 06/04/21 09:33 **Matrix: Solid**

Date Received: 06/04/21 13:35

Sample Depth: - 6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:35	
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:35	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:35	•
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/07/21 08:42	06/07/21 13:35	
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:35	•
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/07/21 08:42	06/07/21 13:35	•
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/07/21 08:42	06/07/21 13:35	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			06/07/21 08:42	06/07/21 13:35	
1,4-Difluorobenzene (Surr)	94		70 - 130			06/07/21 08:42	06/07/21 13:35	•

Client Sample Results

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH02A

Date Collected: 06/04/21 09:33

Sample Depth: - 6

Lab Sample ID: 890-779-2 Matrix: Solid Date Received: 06/04/21 13:35

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/07/21 09:23	06/07/21 15:24	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/07/21 09:23	06/07/21 15:24	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/07/21 09:23	06/07/21 15:24	1
Total TPH	<49.9	U	49.9	mg/Kg		06/07/21 09:23	06/07/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			06/07/21 09:23	06/07/21 15:24	1
o-Terphenyl	70		70 - 130			06/07/21 09:23	06/07/21 15:24	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		5.02	mg/Kg			06/08/21 21:48	1

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-779-1

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-779-1	PH02	113	97	
890-779-2	PH02A	134 S1+	94	
LCS 880-3823/1-A	Lab Control Sample	108	95	
LCS 880-3849/1-A	Lab Control Sample	106	97	
LCSD 880-3823/2-A	Lab Control Sample Dup	107	94	
LCSD 880-3849/2-A	Lab Control Sample Dup	105	97	
MB 880-3823/5-A	Method Blank	109	92	

BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-779-1	PH02	85	71	
890-779-2	PH02A	83	70	
LCS 880-3830/2-A	Lab Control Sample	93	72	
LCSD 880-3830/3-A	Lab Control Sample Dup	94	74	
MB 880-3830/1-A	Method Blank	89	74	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 890-779-1 SDG: 31402909.06 Project/Site: Canvasback 13 Fed 3H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3823/5-A

Matrix: Solid

Analysis Batch: 3829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3823

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/07/21 08:42	06/07/21 12:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/07/21 08:42	06/07/21 12:25	1

Lab Sample ID: LCS 880-3823/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3829

		Prep Type: Total/NA
		Prep Batch: 3823
Spike	LCS LCS	%Rec.

	Opinc						/orteo.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07985		mg/Kg		80	70 - 130	
Toluene	0.100	0.09903		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.1032		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.2134		mg/Kg		107	70 - 130	
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1.4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-3823/2-A

Matrix: Solid

Analysis Batch: 3829

Client Sample	ID: L	ab (Cont	rol	Samp	ole	Du	p
			_	_	_			_

Prep Type: Total/NA

Prep Batch: 3823

Spike	LCSD	LCSD				%Rec.		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.08619	-	mg/Kg		86	70 - 130	8	35
0.100	0.1035		mg/Kg		104	70 - 130	4	35
0.100	0.1091		mg/Kg		109	70 - 130	6	35
0.200	0.2254		mg/Kg		113	70 - 130	5	35
0.100	0.1132		mg/Kg		113	70 - 130	6	35
	0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.08619 0.100 0.1035 0.100 0.1091 0.200 0.2254	Added Result Qualifier 0.100 0.08619 0.100 0.1035 0.100 0.1091 0.200 0.2254	Added Result Qualifier Unit 0.100 0.08619 mg/Kg 0.100 0.1035 mg/Kg 0.100 0.1091 mg/Kg 0.200 0.2254 mg/Kg	Added Result Qualifier Unit D 0.100 0.08619 mg/Kg 0.100 0.1035 mg/Kg 0.100 0.1091 mg/Kg 0.200 0.2254 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.08619 mg/Kg 86 0.100 0.1035 mg/Kg 104 0.100 0.1091 mg/Kg 109 0.200 0.2254 mg/Kg 113	Added Result Qualifier Unit D %Rec Limits 0.100 0.08619 mg/Kg 86 70 - 130 0.100 0.1035 mg/Kg 104 70 - 130 0.100 0.1091 mg/Kg 109 70 - 130 0.200 0.2254 mg/Kg 113 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.08619 mg/Kg 86 70 - 130 8 0.100 0.1035 mg/Kg 104 70 - 130 4 0.100 0.1091 mg/Kg 109 70 - 130 6 0.200 0.2254 mg/Kg 113 70 - 130 5

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	94	70 ₋ 130

Lab Sample ID: LCS 880-3849/1-A

Matrix: Solid

Analysis Batch: 3829

Client Sample I	D: Lab Control Sample
	Dunin Times, Tetal/NIA

Prep Type: Total/NA

Prep Batch: 3849

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08550		mg/Kg		86	70 - 130	

QC Sample Results

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-3849/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3829** Prep Batch: 3849

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	0.100	0.09552		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09967		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130	

	LUS	LUJ	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

100 100

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Lab Sample ID: LCSD 880-3849/2-A **Matrix: Solid**

Analysis Batch: 3829 Prep Batch: 3849 Spike LCSD LCSD %Rec. RPD Limit Analyte Added Result Qualifier Unit %Rec Limits **RPD** Benzene 0.100 0.08437 84 35 mg/Kg 70 - 130 Toluene 0.100 0.09781 98 70 - 130 35 mg/Kg 2 Ethylbenzene 0.100 0.1024 102 70 - 130 mg/Kg 3 35 m-Xylene & p-Xylene 0.200 0.2101 105 70 - 130 35 mg/Kg 3

0.1070

mg/Kg

107

70 - 130

0.100

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

o-Xylene

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3830/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3835** Prep Batch: 3830

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/07/21 09:23	06/07/21 12:16	1
o-Terphenyl	74		70 - 130	06/07/21 09:23	06/07/21 12:16	1

Lab Sample ID: LCS 880-3830/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 3835** Prep Batch: 3830 LCS LCS Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 793.2 79 70 - 130 mg/Kg (GRO)-C6-C10

 Client: WSP USA Inc.
 Job ID: 890-779-1

 Project/Site: Canvasback 13 Fed 3H
 SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-3830/2-A

Matrix: Solid

Analysis Batch: 3835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3830

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits D 1000 840.4 84 70 _ 130 Diesel Range Organics (Over mg/Kg C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 93
 70 - 130

 o-Terphenyl
 72
 70 - 130

Lab Sample ID: LCSD 880-3830/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 3835 Prep Batch: 3830

LCSD LCSD RPD Spike %Rec. Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 792.7 Gasoline Range Organics mg/Kg 79 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 859.9 mg/Kg 86 70 - 130 2 20 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 94
 70 - 130

 o-Terphenyl
 74
 70 - 130

мв мв

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3838/1-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 3904

 Analyte
 Result Chloride
 Qualifier
 RL
 Unit mg/Kg
 D Prepared
 Analyzed Analyzed
 Dil Fac

 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 06/08/21 20:43
 1

Lab Sample ID: LCS 880-3838/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 3904

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 100 90 - 110 251.2 mg/Kg

Lab Sample ID: LCSD 880-3838/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 3904

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier %Rec Limits RPD Limit Analyte Unit D Chloride 250 254.5 102 mg/Kg 90 - 110

QC Association Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-779-1 SDG: 31402909.06

GC VOA

Prep Batch: 3823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-779-1	PH02	Total/NA	Solid	5035	
890-779-2	PH02A	Total/NA	Solid	5035	
MB 880-3823/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3823/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3823/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-779-1	PH02	Total/NA	Solid	8021B	3823
890-779-2	PH02A	Total/NA	Solid	8021B	3823
MB 880-3823/5-A	Method Blank	Total/NA	Solid	8021B	3823
LCS 880-3823/1-A	Lab Control Sample	Total/NA	Solid	8021B	3823
LCS 880-3849/1-A	Lab Control Sample	Total/NA	Solid	8021B	3849
LCSD 880-3823/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3823
LCSD 880-3849/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3849

Prep Batch: 3849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-3849/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3849/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 3830

Lab Sample ID 890-779-1	Client Sample ID PH02	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
890-779-2	PH02A	Total/NA	Solid	8015NM Prep	
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3835

Г					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-779-1	PH02	Total/NA	Solid	8015B NM	3830
890-779-2	PH02A	Total/NA	Solid	8015B NM	3830
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015B NM	3830
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3830
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3830

HPLC/IC

Leach Batch: 3838

Lab Sample ID 890-779-1	Client Sample ID PH02	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-779-2	PH02A	Soluble	Solid	DI Leach	
MB 880-3838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-779-1	PH02	Soluble	Solid	300.0	3838

QC Association Summary

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

HPLC/IC (Continued)

Analysis Batch: 3904 (Continued)

Lab Sample	ID Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-779-2	PH02A	Soluble	Solid	300.0	3838
MB 880-383	B/1-A Method Blank	Soluble	Solid	300.0	3838
LCS 880-38	38/2-A Lab Control Sample	Soluble	Solid	300.0	3838
LCSD 880-3	838/3-A Lab Control Sample Dup	Soluble	Solid	300.0	3838

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH02

Lab Sample ID: 890-779-1 Date Collected: 06/04/21 09:12

Matrix: Solid

Date Received: 06/04/21 13:35

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3823	06/07/21 08:42	MR	XEN MID
Total/NA	Analysis	8021B		1	3829	06/07/21 13:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			3830	06/07/21 09:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3835	06/07/21 15:03	AJ	XEN MID
Soluble	Leach	DI Leach			3838	06/07/21 10:18	СН	XEN MID
Soluble	Analysis	300.0		1	3904	06/08/21 21:32	CH	XEN MID

Client Sample ID: PH02A

Date Collected: 06/04/21 09:33 Date Received: 06/04/21 13:35

Lab Sample ID: 890-779-2

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 3823 06/07/21 08:42 MR XEN MID Total/NA 8021B XEN MID 3829 06/07/21 13:35 MR Analysis 1 Total/NA Prep 8015NM Prep 06/07/21 09:23 DM XEN MID 3830 Total/NA 8015B NM XEN MID Analysis 1 3835 06/07/21 15:24 ΑJ Soluble XEN MID Leach DI Leach 3838 06/07/21 10:18 СН 3904 XEN MID Soluble Analysis 300.0 1 06/08/21 21:48 CH

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-779-1 Project/Site: Canvasback 13 Fed 3H

Total BTEX

SDG: 31402909.06

Laboratory: Eurofins Xenco, Midland

5035

8021B

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date	
Texas		ELAP	T104704400-20-21	06-30-21	
The fellowing analytes		t de la fata de la contra del contra de la contra del la contra d	Sala da anti-		
The following analytes	are included in this report, bu	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes fo	
the agency does not of	•	t the laboratory is not certifi	led by the governing authority. I his list ma	ay include analytes fo	
• ,	•	t the laboratory is not certifi Matrix	led by the governing authority. This list ma	ay include analytes fo	

Solid

Method Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-779-1

SDG: 31402909.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-779-1

SDG: 31402909.06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Dep
890-779-1	PH02	Solid	06/04/21 09:12	06/04/21 13:35	- 1
890-779-2	PH02A	Solid	06/04/21 09:33	06/04/21 13:35	- 6

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Chain of Custody

Revised Date 051418 Rev. 2018 1			6				5
			0/4/14/13.8		7. (20)	6	3 Min
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Pate/Time,	ignature)	Received by: (Signature)	y: (Signature)	Relinquished by: (Signature)
	terms and conunins beyond the control ously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its ariliates and subcontractors, it assigns standard terms and continuous Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of services.	n client company to xenco, its an ny losses or expenses incurred b submitted to Xenco, but not anal	valid purchase order from e any responsibility for ar ge of \$5 for each sample	samples constitutes a samples constitutes a sambles constitutes a samples constitutes and a characteristic constitutes a samples constitutes a sample constitute a s	document and relinquishment of a liable only for the cost of sample large of \$75.00 will be applied to	Notice: Signature of this of service. Xenco will be of Xenco. A minimum ch
1631 / 245:1 / /470 / /471 : Hg		Cr Co Cu Pb Mn Mo Ni Se Ag	CRA Sb As Ba Be Cd	TCEP/SPEP 6010: 8RCRA	лухэй ість	Girole Method(s) and Metal(s) to be analyzed	Cirele Methed
I Sn U V Zn	Ni K Se Ag SiO2	Cd Ca Cr Co Cu Fe	11 Al Sb As Ba Be B	A 13PPM Texas 11	8RCRA	010 200.8 / 6020:	Total 200.7 / 6010
			0				
			7	M			
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							1
Discrete			-1 × ×	6,	6/4/2021 9:33	2A s	PH02A
Discrete				12 1'	6/4/2021 9:12)2 s	PH02
Sample Comments			Numb TPH (E BTEX (ne Depth	Date Time Sampled Sampled	ntification Matrix	Sample Identification
lab, if received by 4:30pm		-	PA 8	iners:	Total Containers:	als: Yes No N/A	Sample Custody Seals
TAT starts the day recevied by the	-		0=86	actor: -0-32	Correction Factor:	_	Cooler Custody Seals:
	stody	890-779 Chain of Custody	021)	200	T-NM-	(Yes No	Received Intact:
				Thermometer ID	i	5.0/4.3	Temperature (°C):
				Wet Ice: (Yes) No	(Yes No W	Tęmp Blank:	SAMPLE RECEIPT
				Due Date:	ther	William Mather	Sampler's Name:
				Rush:		Eddy	P.O. Number:
				Routine	.06	31402909.06	Project Number:
Work Order Notes		ANALYSIS REQUEST		Turn Around	Fed 3H	Canvasback 13 Fed 3H	Project Name:
Other:	Deliverables: EDD ADaPI	itavarez@concho.com	Email: will.mather@wsp.com, kalei.jennings@wsp.com,	Email: will.mather@w		(432) 236-3849	Phone:
RP Uvel IV	evel III	Report		City, State ZIP:		Midland, Tx 79705	City, State ZIP:
) H i	Sta		Address:		3300 North A Street	Address:
☐RC Derfund ☐	Program: UST/PST □RP □ rownfields	Progra	ne: Concho Operating	Company Name:	office	WSP USA Inc., Permian office	Company Name:
ents	Work Order Comments		t) Ike Tavarez	Bill to: (if different)		Kalei Jennings	Project Manager:
Page 1 of 1	www.xenco.com	Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296 Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)	5440) EL Paso,TX (915)585-3- 4,AZ (480-355-0900) Atlanta,G	Midland, TX (432-704-) (575-392-7550) Phoenix	Hobbs,NM	BORATORIES	E A
		Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334	ເວດດ Dallas TX (214) 902-0300	Hauston TX (281) 240-4			

Work Order No:

Eurofins Xenco, Carlsbad 1089 N Canal St.

Chain of Custody Record

💸 eurofins

Environment Testing

State, Zip. **TX** 79701 Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. Empty Kit Relinquished by Deliverable Requested 1 II III IV Other (specify) Possible Hazard Identification PH02A (890-779-2) PH02 (890-779-1) Sample Identification - Client ID (Lab ID) 432-704-5440(Tel) Email Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 Canvasback 13 Fed 3H Midland 1211 W Florida Ave Client Information elinquished by linquished by: elinquished by oject Name hipping/Receiving rofins Xenco (Sub Contract Lab) Custody Seal No から Date/Time Due Date Requested 6/10/2021 Primary Deliverable Rank TAT Requested (days) Phone Date/Time 39000004 **^**0# 6/4/21 6/4/21 Date Mountain 09 33 Mountain Sample (C=comp G=grab Sample Preservation Code: Type Company Company Company Matrix Solid Solid jessica kramer@eurofinset.com E-Mail Kramer Jessica Field Filtered Sample (Yes or No) Accreditations Required (See note)
NELAP - Louisiana NELAP - Texas Ime Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Description To Client Disposed But I sh Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Cooler Temperature(s) °C and Other Remarks Received by 8015MOD_NM/8015NM_S_Prep Full TPH × × Return To Client × × 300_ORGFM_28D/DI_LEACH Chloride × × 8021B/6035FP_Calc BTEX Analysis Requested Disposal By Lab State of Origin
New Mexico Carrier Tracking No(s) Method of Shipment Date/Time: Date/Time Archive For Total Number of containers COC No: 890-252 1 Preservation Codes Page 1 of 890-779-1 lce DI Water C EDTA EDA Zn Acetate
Nitric Acid
NaHSO4
MeOH
Amchlor NaOH 된 Ascorbic Acid Special Instructions/Note 3 Q K O ⊢ ⊃ > Company M Hexane
V None
D AsNaO2
Na2O4S
Na2SO3
Na2SO3
Na2SO3 TSP Dodecahydrate
Acetone company other (specify) pH 4-5 Months

Ver

11/01/2020

Login Sample Receipt Checklist

 Client: WSP USA Inc.
 Job Number: 890-779-1

 SDG Number: 31402909.06

Login Number: 779 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Job Number: 890-779-1 SDG Number: 31402909.06

Login Number: 779 List Source: Eurofins Xenco, Midland List Number: 2

List Creation: 06/07/21 08:49 AM

Creator: Copeland, Tatiana

Client: WSP USA Inc.

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

<6mm (1/4").

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-780-1

Laboratory Sample Delivery Group: 31402909.06 Client Project/Site: Canvasback 13 Fed 3H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Dan Moir

MAMER

Authorized for release by: 6/9/2021 8:36:02 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 10/20/2021 9:38:24 AM

/

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc.
Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-780-1 SDG: 31402909.06

Table of Contents

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-780-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-780-1

SDG: 31402909.06

Job ID: 890-780-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-780-1

Receipt

The samples were received on 6/4/2021 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH01 (890-780-1) and PH01A (890-780-2).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Matrix: Solid

Lab Sample ID: 890-780-1

Client Sample Results

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Client Sample ID: PH01

Date Collected: 06/04/21 08:57 Date Received: 06/04/21 13:35

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			06/07/21 08:42	06/07/21 13:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/07/21 08:42	06/07/21 13:55	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:45	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:45	1
Total TPH	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			06/07/21 09:23	06/07/21 15:45	1
o-Terphenyl	71		70 - 130			06/07/21 09:23	06/07/21 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		5.05	mg/Kg			06/08/21 21:54	1

Client Sample ID: PH01A

Date Collected: 06/04/21 09:02

Date Received: 06/04/21 13:35

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/07/21 08:42	06/07/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/07/21 08:42	06/07/21 14:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130			06/07/21 08:42	06/07/21 14:15	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-780-2

Matrix: Solid

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Client Sample Results

Client: WSP USA Inc. Job ID: 890-780-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH01A

Lab Sample ID: 890-780-2 Date Collected: 06/04/21 09:02 Matrix: Solid Date Received: 06/04/21 13:35

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 16:05	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 16:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 16:05	1
Total TPH	<49.8	U	49.8	mg/Kg		06/07/21 09:23	06/07/21 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/07/21 09:23	06/07/21 16:05	1
o-Terphenyl	68	S1-	70 - 130			06/07/21 09:23	06/07/21 16:05	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.3		5.04	mg/Kg			06/08/21 21:59	

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-780-1

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-780-1	PH01	116	102	
890-780-2	PH01A	116	102	
LCS 880-3823/1-A	Lab Control Sample	108	95	
LCS 880-3849/1-A	Lab Control Sample	106	97	
LCSD 880-3823/2-A	Lab Control Sample Dup	107	94	
LCSD 880-3849/2-A	Lab Control Sample Dup	105	97	
MB 880-3823/5-A	Method Blank	109	92	

BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Li
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-780-1	PH01	86	71	
90-780-2	PH01A	82	68 S1-	
_CS 880-3830/2-A	Lab Control Sample	93	72	
.CSD 880-3830/3-A	Lab Control Sample Dup	94	74	
MB 880-3830/1-A	Method Blank	89	74	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-780-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3823/5-A

Matrix: Solid

Analysis Batch: 3829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3823

		MB	MB						
Ana	lyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ben	zene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Tolu	ene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Ethy	vlbenzene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
m-X	ylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
o-Xy	ylene	<0.00200	U	0.00200	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Xyle	enes, Total	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1
Tota	I BTEX	<0.00400	U	0.00400	mg/Kg		06/07/21 08:42	06/07/21 12:25	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109	70 - 130	06/07/21 08:42	06/07/21 12:25	1
1,4-Difluorobenzene (Surr)	92	70 - 130	06/07/21 08:42	06/07/21 12:25	1

Lab Sample ID: LCS 880-3823/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3829

Prep Type: Total/NA

Prep Batch: 3823

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07985 mg/Kg 80 70 - 130 Toluene 0.100 0.09903 mg/Kg 99 70 - 130 Ethylbenzene 0.100 0.1032 mg/Kg 103 70 - 130 m-Xylene & p-Xylene 0.200 0.2134 107 70 - 130 mg/Kg o-Xylene 0.100 0.1065 mg/Kg 107 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1.4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-3823/2-A

Matrix: Solid

Analysis Batch: 3829

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3823

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08619		mg/Kg		86	70 - 130	8	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	4	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2254		mg/Kg		113	70 - 130	5	35
o-Xylene	0.100	0.1132		mg/Kg		113	70 - 130	6	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1.4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCS 880-3849/1-A

Matrix: Solid

Analysis Batch: 3829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3849

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	 0.100	0.08550		mg/Kg		86	70 - 130	

QC Sample Results

Client: WSP USA Inc. Job ID: 890-780-1 SDG: 31402909.06 Project/Site: Canvasback 13 Fed 3H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-3849/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3829** Prep Batch: 3849

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	0.100	0.09552		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09967		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-3849/2-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid Analysis Batch: 3829

Analysis Batch: 3829							Prep Batch: 384					
	Spike	LCSD	LCSD				%Rec.		RPD			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Benzene	0.100	0.08437		mg/Kg		84	70 - 130	1	35			
Toluene	0.100	0.09781		mg/Kg		98	70 - 130	2	35			
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	3	35			
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130	3	35			
o-Xvlene	0.100	0.1070		ma/Ka		107	70 - 130	2	35			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (S	Surr) 105		70 - 130
1,4-Difluorobenzene (Sur	r) 97		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3830/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3835** Prep Batch: 3830

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/07/21 09:23	06/07/21 12:16	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/07/21 09:23	06/07/21 12:16	1
o-Terphenyl	74		70 - 130	06/07/21 09:23	06/07/21 12:16	1

Lab Sample ID: LCS 880-3830/2-A **Client Sample ID: Lab Control Sample**

Analysis Batch: 3835 Prep Batch: 3830 LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit Limits

Gasoline Range Organics 1000 793.2 mg/Kg 79 70 - 130 (GRO)-C6-C10

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Matrix: Solid

Client: WSP USA Inc. Job ID: 890-780-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

LCS LCS

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Lab Sample ID: LCS 880-3830/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3835** Prep Batch: 3830

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (Over	 	1000	840.4		mg/Kg		84	70 - 130	
C10-C28)									

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: LCSD 880-3830/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 3835** Prep Batch: 3830

Spike LCSD LCSD %Rec. RPD Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 792.7 Gasoline Range Organics mg/Kg 79 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 859.9 mg/Kg 86 70 - 130 2 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits

1-Chlorooctane 94 70 - 130 o-Terphenyl 74 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3838/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3904

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed <5.00 U 5.00 Chloride mg/Kg 06/08/21 20:43

Lab Sample ID: LCS 880-3838/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3904

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 100 90 - 110 251.2 mg/Kg

Lab Sample ID: LCSD 880-3838/3-A Client Sample ID: Lab Control Sample Dup

Analysis Batch: 3904

Matrix: Solid

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier %Rec Limits RPD Limit Analyte Unit D Chloride 250 254.5 102 90 - 110 mg/Kg

Eurofins Xenco, Carlsbad

Prep Type: Soluble

QC Association Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-780-1 SDG: 31402909.06

GC VOA

Prep Batch: 3823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-780-1	PH01	Total/NA	Solid	5035	
890-780-2	PH01A	Total/NA	Solid	5035	
MB 880-3823/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3823/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3823/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-780-1	PH01	Total/NA	Solid	8021B	3823
890-780-2	PH01A	Total/NA	Solid	8021B	3823
MB 880-3823/5-A	Method Blank	Total/NA	Solid	8021B	3823
LCS 880-3823/1-A	Lab Control Sample	Total/NA	Solid	8021B	3823
LCS 880-3849/1-A	Lab Control Sample	Total/NA	Solid	8021B	3849
LCSD 880-3823/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3823
LCSD 880-3849/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3849

Prep Batch: 3849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-3849/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3849/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 3830

Lab Sample ID 890-780-1	Client Sample ID PH01	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
890-780-2	PH01A	Total/NA	Solid	8015NM Prep	
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-780-1	PH01	Total/NA	Solid	8015B NM	3830
890-780-2	PH01A	Total/NA	Solid	8015B NM	3830
MB 880-3830/1-A	Method Blank	Total/NA	Solid	8015B NM	3830
LCS 880-3830/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3830
LCSD 880-3830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3830

HPLC/IC

Leach Batch: 3838

Lab Sample ID 890-780-1	Client Sample ID PH01	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-780-2	PH01A	Soluble	Solid	DI Leach	
MB 880-3838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-780-1	PH01	Soluble	Solid	300.0	3838

QC Association Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

HPLC/IC (Continued)

Analysis Batch: 3904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-780-2	PH01A	Soluble	Solid	300.0	3838
MB 880-3838/1-A	Method Blank	Soluble	Solid	300.0	3838
LCS 880-3838/2-A	Lab Control Sample	Soluble	Solid	300.0	3838
LCSD 880-3838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3838

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Lab Chronicle

Client: WSP USA Inc. Job ID: 890-780-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: PH01

Lab Sample ID: 890-780-1

Matrix: Solid

Date Collected: 06/04/21 08:57 Date Received: 06/04/21 13:35

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3823	06/07/21 08:42	MR	XEN MID
Total/NA	Analysis	8021B		1	3829	06/07/21 13:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			3830	06/07/21 09:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3835	06/07/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			3838	06/07/21 10:18	CH	XEN MID
Soluble	Analysis	300.0		1	3904	06/08/21 21:54	CH	XEN MID

Lab Sample ID: 890-780-2

Matrix: Solid

Date Collected: 06/04/21 09:02 Date Received: 06/04/21 13:35

Client Sample ID: PH01A

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3823	06/07/21 08:42	MR	XEN MID
Total/NA	Analysis	8021B		1	3829	06/07/21 14:15	MR	XEN MID
Total/NA	Prep	8015NM Prep			3830	06/07/21 09:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3835	06/07/21 16:05	AJ	XEN MID
Soluble	Leach	DI Leach			3838	06/07/21 10:18	СН	XEN MID
Soluble	Analysis	300.0		1	3904	06/08/21 21:59	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Texas		ogram	Identification Number	Expiration Date 06-30-21	
		ELAP	T104704400-20-21		
The following analytes:	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	y include analytee for	
the agency does not of		it the laboratory to not certifi	ed by the governing additionty. This list me	ay include analytes for	
0 ,		Matrix	Analyte	ay include analytes for	
the agency does not of	fer certification.	•	, , ,		

Method Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-780-1

SDG: 31402909.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
3015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Released to Imaging: 10/20/2021 9:38:24 AM

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Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-780-1

SDG: 31402909.06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-780-1	PH01	Solid	06/04/21 08:57	06/04/21 13:35	- 1
890-780-2	PH01A	Solid	06/04/21 09:02	06/04/21 13:35	- 2

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Project Manager:

Kalei Jennings

Hobbs, NM (5

Company Name:

WSP USA Inc., Permian office

City, State ZIP:

Midland, Tx 79705 3300 North A Street

City, State ZIP

Reporting:Level II

□evel III □FT/UST

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State of Project

Program: UST/PST RP prownfields

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Company Name: Address:

Concho Operating

Address:

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of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Sampler's Name Project Number Phone: P.O. Number: Project Name: Cooler Custody Seals: Received Intact: Temperature (°C) SAMPLE RECEIPT Relinquished by: (Signature) Total 200.7 / 6010 Girolo-Method(s) and Metal(s) to be analyzed Sample Identification PH01A PHO1 (432) 236-3849 200.8 / 6020: Yes CA Yes Canvasback 13 Fed 3H res No Temp Blank: ö Ö William Mather 31402909.06 00 Matrix NIA Eddy Z Sampled Received by: (Signature) 6/4/2021 6/4/2021 es No Date Correction Factor: -Total Containers: NM-00 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiQ2 Na Sr TLSn U V Zr Thermometer ID TCLP / SPLP 6010: 8RCRA Sampled Time Wet Ice: (Yes) 9:02 8:57 Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com Rush: Routine Due Date Turn Around Ń 0 Depth ö **Number of Containers** Date/Time TPH (EPA 8015) As Ba Be Cd Cr Co Cu Ph Mn Mo Ni Se Ag TI L 13:31 BTEX (EPA 0=8021) Chloride (EPA 300.0) Relinquished by: (Signature) ANALYSIS REQUEST 890-780 Chain of Custody Deliverables: EDD Received by: (Signature) ADaPT 1631 / 245.1 / 7470 / 7471 TAT starts the day recevied by the lab, if received by 4:30pm Sample Comments **Work Order Notes** Discrete Discrete sed Dato 051418 Rev. 2018 Date/Time

Login Sample Receipt Checklist

 Client: WSP USA Inc.
 Job Number: 890-780-1

 SDG Number: 31402909.06

Login Number: 780 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-780-1 SDG Number: 31402909.06

List Source: Eurofins Xenco, Midland

List Creation: 06/07/21 08:50 AM

List Number: 2 Creator: Copeland, Tatiana

Login Number: 780

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-861-1

Laboratory Sample Delivery Group: 31402909.06 Client Project/Site: Canvasback 13 Fed 3H

ent Project/Site: Canvasback 1.

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Kalei Jennings

MRAMER

Authorized for release by: 6/30/2021 2:59:03 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 10/20/2021 9:38:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-861-1

SDG: 31402909.06

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-861-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Qualifiers

GC VOA Qualifier **Qualifier Description**

S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN MQL Method Quantitation Limit

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent Positive / Present POS

PQL Practical Quantitation Limit PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-861-1

SDG: 31402909.06

Job ID: 890-861-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-861-1

Receipt

The samples were received on 6/23/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-861-1), FS03 (890-861-2), FS04 (890-861-3), FS05 (890-861-4), FS06 (890-861-5), FS07 (890-861-6), FS08 (890-861-7) and DNU (890-861-8).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-861-1 SDG: 31402909.06

Lab Sample ID: 890-861-1

06/29/21 19:14

06/29/21 19:14

Matrix: Solid

Date Collected: 06/22/21 13:19

Client Sample ID: FS01

Date Received: 06/23/21 10:15

Sample Depth: 1

Method: 8021B - Volatile Orga	nic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/29/21 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/29/21 14:37	06/29/21 18:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/29/21 14:37	06/29/21 18:38	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:14	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:14	1

Surrogate	%Recovery Qual	lifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92	70 - 130	06/28/21 14:59	06/29/21 19:14	1
o-Terphenyl	98	70 - 130	06/28/21 14:59	06/29/21 19:14	1

50.0

50.0

<50.0 U

<50.0 U

mg/Kg

mg/Kg

06/28/21 14:59

06/28/21 14:59

Method: 300.0 - Anions, Ion Chror	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144	5.00	mg/Kg			06/30/21 07:25	1

Client Sample ID: FS03 Lab Sample ID: 890-861-2 **Matrix: Solid**

Date Collected: 06/22/21 14:07 Date Received: 06/23/21 10:15

Oll Range Organics (Over C28-C36)

Sample Depth: - 1

C10-C28)

Total TPH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				06/29/21 14:37	06/29/21 19:04	1
1,4-Difluorobenzene (Surr)	84		70 - 130				06/29/21 14:37	06/29/21 19:04	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-861-1

Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS03 Lab Sample ID: 890-861-2 Date Collected: 06/22/21 14:07 Date Received: 06/23/21 10:15

Sample Depth: - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/28/21 14:59	06/29/21 19:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/28/21 14:59	06/29/21 19:35	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/21 14:59	06/29/21 19:35	1
Total TPH	<49.8	U	49.8		mg/Kg		06/28/21 14:59	06/29/21 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/28/21 14:59	06/29/21 19:35	
o-Terphenyl	99		70 - 130				06/28/21 14:59	06/29/21 19:35	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.00		mg/Kg			06/30/21 07:29	

Client Sample ID: FS04 Lab Sample ID: 890-861-3 Matrix: Solid

Date Collected: 06/22/21 14:09 Date Received: 06/23/21 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:30	
Toluene	< 0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:30	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:30	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:30	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/29/21 19:30	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:30	
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/29/21 19:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130				06/29/21 14:37	06/29/21 19:30	
1,4-Difluorobenzene (Surr)	88		70 - 130				06/29/21 14:37	06/29/21 19:30	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:56	•
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:56	,
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:56	
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 19:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	98		70 - 130				06/28/21 14:59	06/29/21 19:56	
o-Terphenyl	106		70 - 130				06/28/21 14:59	06/29/21 19:56	
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.5		4.98		mg/Kg			06/30/21 07:34	

Client Sample Results

Client: WSP USA Inc. Job ID: 890-861-1

Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS05 Lab Sample ID: 890-861-4 Date Collected: 06/22/21 14:39 Date Received: 06/23/21 10:15

<49.9 U

Sample Depth: - 2

Method: 8021B - Volatile Orga	nic Compounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				06/29/21 14:37	06/30/21 00:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/29/21 14:37	06/30/21 00:12	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/21 14:59	06/29/21 20:17	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/28/21 14:59	06/29/21 20:17	1

Total TPH	<49.9	U	49.9	mg/Kg	06/28/21 14:59	06/29/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130		06/28/21 14:59	06/29/21 20:17	1
o-Terphenyl	102		70 - 130		06/28/21 14:59	06/29/21 20:17	1

49.9

mg/Kg

Method: 300.0 - Anions, Ion Chror	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.4	5.05	ma/Ka			06/30/21 07:39	1

Client Sample ID: FS06 Lab Sample ID: 890-861-5

Date Collected: 06/22/21 14:40 Date Received: 06/23/21 10:15

Released to Imaging: 10/20/2021 9:38:24 AM

Oll Range Organics (Over C28-C36)

Sample Depth: - 2

C10-C28)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:38	
Toluene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/29/21 14:37	06/30/21 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130				06/29/21 14:37	06/30/21 00:38	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/29/21 14:37	06/30/21 00:38	1

Eurofins Xenco, Carlsbad

Matrix: Solid

06/28/21 14:59

06/29/21 20:17

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-861-1

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS06 Lab Sample ID: 890-861-5

Client Sample ID: FS06

Date Collected: 06/22/21 14:40

Date Received: 06/23/21 10:15

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 19:14	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 19:14	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 19:14	1
Total TPH	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/29/21 09:38	06/29/21 19:14	
o-Terphenyl	114		70 - 130				06/29/21 09:38	06/29/21 19:14	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		4.97		mg/Kg			06/30/21 07:44	

Client Sample ID: FS07

Lab Sample ID: 890-861-6

Date Collected: 06/22/21 14:43

Matrix: Solid

Date Collected: 06/22/21 14:43 Date Received: 06/23/21 10:15

Released to Imaging: 10/20/2021 9:38:24 AM

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/29/21 14:37	06/30/21 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/29/21 14:37	06/30/21 01:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/29/21 14:37	06/30/21 01:03	1
•	• • •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mathadi 0045D NM - Diagal Dani	wa Ormaniaa (D	BO) (CC)							
Method: 8015B NM - Diesel Ran Analyte	Result	Qualifier		MDL		D			Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/29/21 09:38	Analyzed 06/29/21 19:35	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U	49.8	MDL	mg/Kg	<u>D</u>	06/29/21 09:38	06/29/21 19:35	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	49.8	MDL	mg/Kg	<u> </u>	06/29/21 09:38	06/29/21 19:35	Dil Fac
Analyte	Result <49.8 <49.8	Qualifier U U	49.8	MDL	mg/Kg	<u>D</u>	06/29/21 09:38 06/29/21 09:38	06/29/21 19:35 06/29/21 19:35	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U U U	49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/29/21 09:38 06/29/21 09:38 06/29/21 09:38	06/29/21 19:35 06/29/21 19:35 06/29/21 19:35	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49	Qualifier U U U U	49.8 49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 06/29/21 09:38	06/29/21 19:35 06/29/21 19:35 06/29/21 19:35 06/29/21 19:35	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	49.8 49.8 49.8 49.8 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 Prepared	06/29/21 19:35 06/29/21 19:35 06/29/21 19:35 06/29/21 19:35 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 Prepared 06/29/21 09:38	06/29/21 19:35 06/29/21 19:35 06/29/21 19:35 06/29/21 19:35 Analyzed 06/29/21 19:35	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8 <49.8 <49.8 <49.8 <49.8 <107 <107 <114								

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Lab Sample ID: 890-861-7

Client Sample Results

Client: WSP USA Inc. Job ID: 890-861-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS08

Result Qualifier

290

Date Collected: 06/22/21 14:44 Date Received: 06/23/21 10:15

Sample Depth: - 1

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/29/21 14:37	06/30/21 01:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/29/21 14:37	06/30/21 01:28	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	84	BO) (CC)	70 - 130 70 - 130				06/29/21 14:37 06/29/21 14:37	06/30/21 01:28 06/30/21 01:28	•
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	84 ge Organics (D	RO) (GC) Qualifier		MDL	Unit	D			1
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	84 ge Organics (D	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>	06/29/21 14:37	06/30/21 01:28	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI	Qualifier U	70 - 130	MDL		<u>D</u>	06/29/21 14:37 Prepared	06/30/21 01:28 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (Di Result <50.0	Qualifier U	70 - 130 RL 50.0	MDL	mg/Kg	<u>D</u>	06/29/21 14:37 Prepared 06/29/21 09:38	06/30/21 01:28 Analyzed 06/29/21 19:56	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (Di Result <50.0	Qualifier U U	70 - 130 RL 50.0	MDL	mg/Kg mg/Kg	<u>D</u>	06/29/21 14:37 Prepared 06/29/21 09:38 06/29/21 09:38	Analyzed 06/29/21 19:56 06/29/21 19:56	Dil Fac 1 1 1 1 1 1 1
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (Di Result <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/29/21 14:37 Prepared 06/29/21 09:38 06/29/21 09:38	Analyzed 06/29/21 19:56 06/29/21 19:56	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ge Organics (Di Result <50.0 <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/29/21 09:38 06/29/21 09:38 06/29/21 09:38 06/29/21 09:38	Analyzed 06/29/21 19:56 06/29/21 19:56 06/29/21 19:56 06/29/21 19:56	Dil Fac 1 1 1 1

RL

5.00

MDL Unit

mg/Kg

D

Prepared

Analyzed

06/30/21 07:53

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Dil Fac

Surrogate Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-861-1	FS01	97	95	
890-861-2	FS03	81	84	
890-861-3	FS04	92	88	
890-861-4	FS05	98	98	
890-861-5	FS06	175 S1+	86	
890-861-6	FS07	97	97	
890-861-7	FS08	85	84	
LCS 880-4724/1-A	Lab Control Sample	87	97	
LCSD 880-4724/2-A	Lab Control Sample Dup	94	102	
MB 880-4724/5-A	Method Blank	60 S1-	82	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-861-1	FS01	92	98	
890-861-2	FS03	90	99	
890-861-3	FS04	98	106	
890-861-4	FS05	95	102	
890-861-5	FS06	106	114	
890-861-6	FS07	107	114	
890-861-7	FS08	81	84	
LCS 880-4709/2-A	Lab Control Sample	100	97	
LCS 880-4722/2-A	Lab Control Sample	97	98	
LCSD 880-4709/3-A	Lab Control Sample Dup	100	96	
LCSD 880-4722/3-A	Lab Control Sample Dup	112	107	
MB 880-4709/1-A	Method Blank	93	100	
MB 880-4722/1-A	Method Blank	90	101	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-861-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4724/5-A

Analysis Batch: 4740

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4724

	МВ	мв							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/29/21 10:28	06/29/21 16:33	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/29/21 10:28	06/29/21 16:33	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130	06/29/21 10:28	06/29/21 16:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/29/21 10:28	06/29/21 16:33	1

Lab Sample ID: LCS 880-4724/1-A

Matrix: Solid

Analysis Batch: 4740

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA

Prep Batch: 4724

Spike LCS LCS %Rec. Result Qualifier Analyte Added Unit %Rec Limits Benzene 0.100 0.08480 mg/Kg 85 70 - 130 Toluene 0.100 0.08425 70 - 130 mg/Kg 84 Ethylbenzene 0.100 0.08202 mg/Kg 82 70 - 130 m-Xylene & p-Xylene 0.200 0.1733 87 70 - 130 mg/Kg o-Xylene 0.100 0.08872 mg/Kg 89 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	87	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-4724/2-A

Matrix: Solid

Analysis Batch: 4740

Client Sample	ID: Lab	Control	Sample Du	р
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Prep Type: Total/NA

Prep Batch: 4724

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09235		mg/Kg		92	70 - 130	9	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	24	35
Ethylbenzene	0.100	0.09178		mg/Kg		92	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1939		mg/Kg		97	70 - 130	11	35
o-Xylene	0.100	0.09922		mg/Kg		99	70 - 130	11	35

LCSD LCSD

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	94	_	70 - 130
1.4-Difluorobenzene (Surr)	102		70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-861-1 SDG: 31402909.06 Project/Site: Canvasback 13 Fed 3H

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4709/1-A

Analysis Batch: 4725

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4709

	MR	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 12:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 12:16	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 12:16	1
Total TPH	<50.0	U	50.0		mg/Kg		06/28/21 14:59	06/29/21 12:16	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepar	red	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/28/21	14:59	06/29/21 12:16	1
o-Terphenyl	100		70 - 130	06/28/21	14:59	06/29/21 12:16	1

Lab Sample ID: LCS 880-4709/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

matrix: cond								Typo: Totalita
Analysis Batch: 4725							Pre	ep Batch: 4709
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	949.3		mg/Kg		95	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	933.8		mg/Kg		93	70 - 130	

C10-C28)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-4709/3-A

Matrix: Solid

Analysis Batch: 4725

Client	Sample	ID:	Lab	Control	Samp	le Dup
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Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 4709

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	935.9		mg/Kg		94	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	919.2		mg/Kg		92	70 - 130	2	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Ternhenyl	96		70 130

Lab Sample ID: MB 880-4722/1-A

Matrix: Solid

Analysis Batch: 4728

Client	Sample	· ID· N	Method	Rlank

Prep Type: Total/NA

Prep Batch: 4722

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 12:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 12:16	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 12:16	1
Total TPH	<50.0	U	50.0		mg/Kg		06/29/21 09:38	06/29/21 12:16	1

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Project/Site: Canvasback 13 Fed 3H

Job ID: 890-861-1

SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

	MB MB				
Surrogate	%Recovery Qualit	fier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90	70 - 130	06/29/21 09:38	06/29/21 12:16	1
o-Terphenyl	101	70 - 130	06/29/21 09:38	06/29/21 12:16	1

Lab Sample ID: LCS 880-4722/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Prep Batch: 4722

Analysis Batch: 4728

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 902.5 90 mg/Kg 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 955.9 mg/Kg 96 70 - 130 C10-C28)

LCS LCS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 97 70 - 130 o-Terphenyl 98 70 - 130

Lab Sample ID: LCSD 880-4722/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 4728** Prep Batch: 4722 LCSD LCSD Spike %Rec. RPD

Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics 1000 1032 103 70 - 13013 20 mg/Kg (GRO)-C6-C10 1000 1062 Diesel Range Organics (Over mg/Kg 106 70 - 13010 20 C10-C28)

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 112 107 70 - 130 o-Terphenyl

MB MB

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4679/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4735

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/30/21 05:32	1

Lab Sample ID: LCS 880-4679/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4735

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 239.6 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-4679/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4735

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 239.9 96 90 - 110 20 mg/Kg

QC Association Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

GC VOA

Prep Batch: 4724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Total/NA	Solid	5035	
890-861-2	FS03	Total/NA	Solid	5035	
890-861-3	FS04	Total/NA	Solid	5035	
890-861-4	FS05	Total/NA	Solid	5035	
890-861-5	FS06	Total/NA	Solid	5035	
890-861-6	FS07	Total/NA	Solid	5035	
890-861-7	FS08	Total/NA	Solid	5035	
MB 880-4724/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4724/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4724/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 4740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Total/NA	Solid	8021B	4724
890-861-2	FS03	Total/NA	Solid	8021B	4724
890-861-3	FS04	Total/NA	Solid	8021B	4724
890-861-4	FS05	Total/NA	Solid	8021B	4724
890-861-5	FS06	Total/NA	Solid	8021B	4724
890-861-6	FS07	Total/NA	Solid	8021B	4724
890-861-7	FS08	Total/NA	Solid	8021B	4724
MB 880-4724/5-A	Method Blank	Total/NA	Solid	8021B	4724
LCS 880-4724/1-A	Lab Control Sample	Total/NA	Solid	8021B	4724
LCSD 880-4724/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4724

GC Semi VOA

Prep Batch: 4709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Total/NA	Solid	8015NM Prep	
890-861-2	FS03	Total/NA	Solid	8015NM Prep	
890-861-3	FS04	Total/NA	Solid	8015NM Prep	
890-861-4	FS05	Total/NA	Solid	8015NM Prep	
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 4722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-5	FS06	Total/NA	Solid	8015NM Prep	
890-861-6	FS07	Total/NA	Solid	8015NM Prep	
890-861-7	FS08	Total/NA	Solid	8015NM Prep	
MB 880-4722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Total/NA	Solid	8015B NM	4709
890-861-2	FS03	Total/NA	Solid	8015B NM	4709
890-861-3	FS04	Total/NA	Solid	8015B NM	4709
890-861-4	FS05	Total/NA	Solid	8015B NM	4709

Eurofins Xenco, Carlsbad

6/30/2021

Page 14 of 22

QC Association Summary

Client: WSP USA Inc.
Project/Site: Canvasback 13 Fed 3H

Job ID: 890-861-1 SDG: 31402909.06

2

GC Semi VOA (Continued)

Analysis Batch: 4725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015B NM	4709
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4709
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4709

Analysis Batch: 4728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-5	FS06	Total/NA	Solid	8015B NM	4722
890-861-6	FS07	Total/NA	Solid	8015B NM	4722
890-861-7	FS08	Total/NA	Solid	8015B NM	4722
MB 880-4722/1-A	Method Blank	Total/NA	Solid	8015B NM	4722
LCS 880-4722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4722
LCSD 880-4722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4722

HPLC/IC

Leach Batch: 4679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Soluble	Solid	DI Leach	
890-861-2	FS03	Soluble	Solid	DI Leach	
890-861-3	FS04	Soluble	Solid	DI Leach	
890-861-4	FS05	Soluble	Solid	DI Leach	
890-861-5	FS06	Soluble	Solid	DI Leach	
890-861-6	FS07	Soluble	Solid	DI Leach	
890-861-7	FS08	Soluble	Solid	DI Leach	
MB 880-4679/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4679/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-861-1	FS01	Soluble	Solid	300.0	4679
890-861-2	FS03	Soluble	Solid	300.0	4679
890-861-3	FS04	Soluble	Solid	300.0	4679
890-861-4	FS05	Soluble	Solid	300.0	4679
890-861-5	FS06	Soluble	Solid	300.0	4679
890-861-6	FS07	Soluble	Solid	300.0	4679
890-861-7	FS08	Soluble	Solid	300.0	4679
MB 880-4679/1-A	Method Blank	Soluble	Solid	300.0	4679
LCS 880-4679/2-A	Lab Control Sample	Soluble	Solid	300.0	4679
LCSD 880-4679/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4679

Client Sample ID: FS01

Date Collected: 06/22/21 13:19

Date Received: 06/23/21 10:15

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Lab Sample ID: 890-861-1

Matrix: Solid

Job ID: 890-861-1

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4724	06/29/21 14:37	MR	XEN MID
Total/NA	Analysis	8021B		1	4740	06/29/21 18:38	KL	XEN MID
Total/NIA	Dron	9015NM Prop			4700	06/28/21 14:50	DM	VEN MID

8015NM Prep Total/NA XEN MID Total/NA Analysis 8015B NM 4725 06/29/21 19:14 AMXEN MID Soluble Leach DI Leach 4679 06/28/21 10:30 СН XEN MID Soluble Analysis 300.0 1 4735 06/30/21 07:25 CH XEN MID

Client Sample ID: FS03 Lab Sample ID: 890-861-2 Date Collected: 06/22/21 14:07 Matrix: Solid

Date Received: 06/23/21 10:15

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 4724 06/29/21 14:37 MR XEN MID Total/NA 8021B 06/29/21 19:04 XEN MID Analysis 1 4740 KL Total/NA XEN MID Prep 8015NM Prep 4709 06/28/21 14:59 DM Total/NA 8015B NM XEN MID Analysis 4725 06/29/21 19:35 AMXEN MID Soluble Leach DI Leach 4679 06/28/21 10:30 СН XEN MID Soluble Analysis 300.0 1 4735 06/30/21 07:29 CH

Client Sample ID: FS04 Lab Sample ID: 890-861-3

Date Collected: 06/22/21 14:09 **Matrix: Solid** Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4724	06/29/21 14:37	MR	XEN MID
Total/NA	Analysis	8021B		1	4740	06/29/21 19:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/28/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 19:56	AM	XEN MID
Soluble	Leach	DI Leach			4679	06/28/21 10:30	СН	XEN MID
Soluble	Analysis	300.0		1	4735	06/30/21 07:34	CH	XEN MID

Client Sample ID: FS05 Lab Sample ID: 890-861-4 Date Collected: 06/22/21 14:39 Matrix: Solid

Date Received: 06/23/21 10:15

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4724	06/29/21 14:37	MR	XEN MID
Total/NA	Analysis	8021B		1	4740	06/30/21 00:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/28/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 20:17	AM	XEN MID
Soluble	Leach	DI Leach			4679	06/28/21 10:30	СН	XEN MID
Soluble	Analysis	300.0		1	4735	06/30/21 07:39	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-861-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS06

Date Received: 06/23/21 10:15

Lab Sample ID: 890-861-5 Date Collected: 06/22/21 14:40

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab 5035 Total/NA Prep 4724 06/29/21 14:37 MR XEN MID Total/NA Analysis 8021B 1 4740 06/30/21 00:38 KLXEN MID Total/NA Prep 8015NM Prep 4722 06/29/21 09:38 DM XEN MID Total/NA Analysis 8015B NM 1 4728 06/29/21 19:14 AMXEN MID Soluble Leach DI Leach 4679 06/28/21 10:30 СН XEN MID Soluble Analysis 300.0 1 4735 06/30/21 07:44 CH XEN MID

Client Sample ID: FS07 Lab Sample ID: 890-861-6

Date Collected: 06/22/21 14:43 **Matrix: Solid**

Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4724	06/29/21 14:37	MR	XEN MID
Total/NA	Analysis	8021B		1	4740	06/30/21 01:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			4722	06/29/21 09:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4728	06/29/21 19:35	AM	XEN MID
Soluble	Leach	DI Leach			4679	06/28/21 10:30	CH	XEN MID
Soluble	Analysis	300.0		1	4735	06/30/21 07:48	CH	XEN MID

Client Sample ID: FS08 Lab Sample ID: 890-861-7

Date Collected: 06/22/21 14:44 **Matrix: Solid** Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4724	06/29/21 14:37	MR	XEN MID
Total/NA	Analysis	8021B		1	4740	06/30/21 01:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			4722	06/29/21 09:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4728	06/29/21 19:56	AM	XEN MID
Soluble	Leach	DI Leach			4679	06/28/21 10:30	СН	XEN MID
Soluble	Analysis	300.0		1	4735	06/30/21 07:53	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-861-1

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-20-21	06-30-21
The following analytes:	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	y include analytee for
the agency does not of	· '	it the laboratory is not certifi	ed by the governing additionty. This list me	ay include analytes for
0 ,	· '	Matrix	Analyte	ay include analytes for
the agency does not of	fer certification.	•	, , ,	

Method Summary

Client: WSP USA Inc.

Job ID: 890-861-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
035	Closed System Purge and Trap	SW846	XEN MID
015NM Prep	Microextraction	SW846	XEN MID
Ol Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-861-1

SDG: 31402909.06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-861-1	FS01	Solid	06/22/21 13:19	06/23/21 10:15	1 - 2
890-861-2	FS03	Solid	06/22/21 14:07	06/23/21 10:15	- 1
890-861-3	FS04	Solid	06/22/21 14:09	06/23/21 10:15	- 1
890-861-4	FS05	Solid	06/22/21 14:39	06/23/21 10:15	- 2
890-861-5	FS06	Solid	06/22/21 14:40	06/23/21 10:15	- 2
890-861-6	FS07	Solid	06/22/21 14:43	06/23/21 10:15	- 2
890-861-7	FS08	Solid	06/22/21 14:44	06/23/21 10:15	- 1

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	eviously negotiated.	of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	co, but not anal	ed to Xenc	submitt	e of \$5 for each sample	ach project and a charg	will be applied to ea	harge of \$75.00 v	f Xenco. A minimum o
	It assigns standard terms and conditions	Volice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standa	to Xenco, its aft	company t	n client	alid purchase order from	amples constitutes a v	elinquishment of s	document and	lotice: Signature of this
631 / 245.1 / 7470 / 7471 . Hg	Ag Ti U 1631/245.1	Cr Co Cu Pb Mn Mo Ni Se	Ba Be Cd	Sb As	CRA	TCLP / SPLP 6010: 8RCRA Sb As Ba Be		Circle Method(s) and Metal(s) to be analyzed	t(s) and Meta	Circle Method
n U V Zn	Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn	Cd Ca Cr Co Cu Fe Pb Mg	s Ba Be B	Al Sb As	11	13PPM Texas 11	8RCRA	200.8 / 6020:		Total 200.7 / 6010
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Composite			×	×	>	0 2'	6/22/2021 14:40	s	06	FS06
Composite			×	×		9 2'	6/22/2021 14:39	s	05	FS05
Composite			×	×		9	6/22/2021 14:09	s	04	FS04
Composite			×	×		7 1'	6/22/2021 14:07	s	03	FS03
Composite			×	×		9 1-2'	6/22/2021 13:19	S	01	FS01
Sample Comments 2	Sam		BTEX (ТРН (Е	Numb	e Depth	Date Time Sampled Sampled	Matrix	ntification	Sample Identification
	lab, if				er of	ners:	Total Containers:	No) N/A	als: Yes	Sample Custody Seals:
TAT starts the day recevied by the	TAT starts		-	_	f Co	ctor:	Correction Factor:	/NO N/A		Cooler Custody Seals:
		OOG OOT OTHER	+	+	ntai	-003	72M	Yes No		Received Intact:
	HINDIN TOOLY	890-861 Chain of Custody))		iner	neter ID	Thermometer ID	8/5.6	IJ	Temperature (°C):
				_	5	Wet Ice: Kes No	Yes No We	Temp Blank:	EIPT	SAMPLE RECEIPT
				_		Due Date:		William Mather		Sampler's Name:
	-					Rush:		Eddy		P.O. Number:
			_			Routine 🕆		31402909.06		Project Number:
Work Order Notes	Wor	ANALYSIS REQUEST				Turn Around	Fed 3H	Canvasback 13 Fed 3H	C	Project Name:
Other:	Deliverables: EDD ADaPT C	itavarez@concho.com	ennings@ws	n, kalei.je	vsp.con	Email: will.mather@wsp.com, kalei.jennings@wsp.com,		3849	(432) 236-3849	Phone:
RP Upvel IV	JST \Box	Rep			^o	City, State ZIP:		x 79705	Midland, Tx 79705	City, State ZIP:
						Address:		A Street	3300 North A Street	Address:
C Derfund	Program: UST/PST ☐RP ☐rownfields ☐RC	Pro	Concho Operating	Concho		Company Name	office	WSP USA Inc., Permian office	WSP USA	Company Name:
	Work Order Comments		ırez	lke Tavarez	nt)	Bill to: (if different)		ings	Kalei Jennings	Project Manager:
of 6	00) www.xenco.com Page_	Hobbs, NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	900) Atlanta,G	30-355-09	x,AZ (48	75-392-7550) Phoen	Hobbs,NM (5			
- /30/		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	(214) 902-030 (TX (915)585-3	allas.TX (; EL Paso,T	4200 Di -5440) E	louston,TX (281) 240- Midland,TX (432-704	_		N Z	
202	Work Order No:		n of Cu	hair	C					
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Login Sample Receipt Checklist

 Client: WSP USA Inc.
 Job Number: 890-861-1

 SDG Number: 31402909.06

Login Number: 861 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

6/30/2021

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-863-1

Laboratory Sample Delivery Group: 31402909.06 Client Project/Site: Canvasback 13 Fed 3H

For:

WSP USA Inc. 2777 N. Stemmons Freeway **Suite 1600** Dallas, Texas 75207

Attn: Kalei Jennings

RAMER

Authorized for release by: 6/30/2021 10:54:28 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env Released to Imaging: 10/20/2021 9:38:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-863-1

SDG: 31402909.06

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** Indicates the analyte was analyzed for but not detected.

HPLC/IC Qualifier

Indicates the analyte was analyzed for but not detected.

Qualifier Description

Glossary

EDL

RER

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" MCL

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit **PRES**

Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RLReporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1

SDG: 31402909.06

Job ID: 890-863-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-863-1

Receipt

The samples were received on 6/23/2021 1:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.2°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS02 (890-863-1), FS09 (890-863-2), FS10 (890-863-3), FS11 (890-863-4), FS12 (890-863-5), FS13 (890-863-6), FS14 (890-863-7), FS15 (890-863-8), FS16 (890-863-9), FS17 (890-863-10), FS18 (890-863-11), FS19 (890-863-12), SW01 (890-863-13), SW02 (890-863-14) and SW03 (890-863-15).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4593 and analytical batch 880-4608 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: FS09 (890-863-2), FS14 (890-863-7), FS16 (890-863-9), FS17 (890-863-10) and SW02 (890-863-14). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS02 (890-863-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: FS02 (890-863-1). The sample(s) shows evidence of matrix interference.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Lab Sample ID: 890-863-1

Client: WSP USA Inc.

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS02

Date Collected: 06/23/21 09:11 Date Received: 06/23/21 13:54

Sample Depth: 1									
- Method: 8021B - Volatile Or	ganic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/28/21 11:30	06/28/21 21:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/28/21 11:30	06/28/21 21:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/28/21 11:30	06/28/21 21:49	1
m-Xvlene & n-Xvlene	<0.00403	IJ	0.00403		ma/Ka		06/28/21 11:30	06/28/21 21:49	1

:0.00403 U o-Xylene <0.00202 U 0.00202 mg/Kg 06/28/21 11:30 06/28/21 21:49 0.00403 06/24/21 13:24 06/26/21 02:06 **Xylenes, Total** 0.0503 F1 mg/Kg 0.00403 06/26/21 02:06 06/24/21 13:24 **Total BTEX** 0.127 F1 mg/Kg

%Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 70 - 130 06/28/21 11:30 4-Bromofluorobenzene (Surr) 132 S1+ 06/28/21 21:49 70 - 130 06/28/21 11:30 06/28/21 21:49 1,4-Difluorobenzene (Surr) 91

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Result Qualifier Analyte RL MDL Unit D Prepared Dil Fac Analyzed <49.7 U 49.7 06/25/21 09:52 06/25/21 13:44 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.7 U 49.7 mg/Kg 06/25/21 09:52 06/25/21 13:44 C10-C28) OII Range Organics (Over C28-C36) <49.7 U 49.7 mg/Kg 06/25/21 09:52 06/25/21 13:44 Total TPH <49.7 U 49.7 mg/Kg 06/25/21 09:52 06/25/21 13:44

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 75 70 - 130 06/25/21 09:52 06/25/21 13:44 o-Terphenyl 82 70 - 130 06/25/21 09:52 06/25/21 13:44

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.4	4.97	mg/Kg			06/29/21 10:49	1

Client Sample ID: FS09 Lab Sample ID: 890-863-2 Date Collected: 06/23/21 09:24 **Matrix: Solid**

Date Received: 06/23/21 13:54

Sample Depth: - 2

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				06/24/21 13:24	06/26/21 02:32	1

70 - 130

06/26/21 02:32

06/24/21 13:24

Lab Sample ID: 890-863-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-863-1

Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS09 Date Collected: 06/23/21 09:24 Date Received: 06/23/21 13:54

Sample Depth: - 2

Method: 8015B NM - Diesel Rang	•	, , ,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 16:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 16:08	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 16:08	1
Total TPH	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/25/21 09:52	06/25/21 16:08	1
o-Terphenyl	86		70 - 130				06/25/21 09:52	06/25/21 16:08	1
Mathada 2000 Aniana Jan Chu	omatography -	Soluble							
Method: 300.0 - Anions, Ion Chro									
Method: 300.0 - Anions, ion Chro Analyte	0.,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS10 Lab Sample ID: 890-863-3 Matrix: Solid

Date Collected: 06/23/21 09:23 Date Received: 06/23/21 13:54

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				06/24/21 13:24	06/26/21 02:57	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/24/21 13:24	06/26/21 02:57	1
•	• • •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
: Method: 8015B NM - Diesel Rand	ne Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier		MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/25/21 09:52	Analyzed 06/25/21 16:21	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 16:21	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 16:21	1
Analyte	Result <50.0	Qualifier U U	50.0	MDL	mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52	06/25/21 16:21 06/25/21 16:21	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 16:21 06/25/21 16:21 06/25/21 16:21	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U U U U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 06/25/21 16:21	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared	06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 Analyzed	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 Analyzed 06/25/21 16:21	1 1 1 <i>Dil Fac</i>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130		mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 06/25/21 16:21 Analyzed 06/25/21 16:21	

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS11

Date Collected: 06/23/21 10:28 Date Received: 06/23/21 13:54

Sample Depth: - 2

Lab Sample ID: 890-863-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/24/21 13:24	06/26/21 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/24/21 13:24	06/26/21 03:23	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/24/21 13:24	06/26/21 03:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:36	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:36	1
Total TPH	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/25/21 09:52	06/25/21 16:36	1
o-Terphenyl	91		70 - 130				06/25/21 09:52	06/25/21 16:36	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		5.03		mg/Kg			06/29/21 11:16	1

Client Sample ID: FS12 Date Collected: 06/23/21 11:32

Date Received: 06/23/21 13:54

Released to Imaging: 10/20/2021 9:38:24 AM

Sample Depth: - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/24/21 13:24	06/26/21 03:48	1
1,4-Difluorobenzene (Surr)	95		70 ₋ 130				06/24/21 13:24	06/26/21 03:48	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-863-5 **Matrix: Solid**

Lab Sample ID: 890-863-5

Client Sample Results

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Client Sample ID: FS12

Date Collected: 06/23/21 11:32 Date Received: 06/23/21 13:54

Sample Depth: - 1

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:49	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:49	•
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:49	
Total TPH	<49.8	U	49.8		mg/Kg		06/25/21 09:52	06/25/21 16:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130				06/25/21 09:52	06/25/21 16:49	
o-Terphenyl	82		70 - 130				06/25/21 09:52	06/25/21 16:49	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	189		5.03		mg/Kg			06/29/21 11:22	

Client Sample ID: FS13

Lab Sample ID: 890-863-6

Date Collected: 06/23/21 09:33

Matrix: Solid

Date Collected: 06/23/21 09:33 Date Received: 06/23/21 13:54

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/24/21 13:24	06/26/21 04:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/24/21 13:24	06/26/21 04:14	1
Method: 8015B NM - Diesel Rang	• • •	, , ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ge Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared 06/25/21 09:52	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	• • •	Qualifier	RL 49.7	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/25/21 09:52	Analyzed 06/25/21 17:03	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U		MDL		<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7	Qualifier U	49.7	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 17:03	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7	Qualifier U	49.7	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 17:03	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.7	Qualifier U U	49.7	MDL	mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52	06/25/21 17:03 06/25/21 17:03	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.7 <49.7 <49.7 <49.7	Qualifier U U U U	49.7 49.7 49.7	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 17:03 06/25/21 17:03 06/25/21 17:03	1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49	Qualifier U U U U	49.7 49.7 49.7 49.7	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 06/25/21 17:03	1 1 1 <i>Dil Fac</i>
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U U	49.7 49.7 49.7 49.7 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared	06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 Analyzed 06/25/21 17:03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	D	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 06/25/21 17:03 Analyzed 06/25/21 17:03	Dil Fac

Eurofins Xenco, Carlsbad

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is Aerico, Carisba

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Lab Sample ID: 890-863-7

Date Collected: 06/23/21 10:34 Date Received: 06/23/21 13:54

Client Sample ID: FS14

Sample Depth: - 2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/24/21 13:24	06/26/21 04:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/24/21 13:24	06/26/21 04:39	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) RL Analyte Result Qualifier MDL Unit Dil Fac Prepared Analyzed <50.0 U 06/25/21 09:52 06/25/21 17:17 Gasoline Range Organics 50.0 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 58.6 50.0 mg/Kg 06/25/21 09:52 06/25/21 17:17 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 06/25/21 09:52 mg/Kg 06/25/21 17:17 **Total TPH** 58.6 50.0 mg/Kg 06/25/21 09:52 06/25/21 17:17 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 105 70 - 130 06/25/21 09:52 06/25/21 17:17 119 06/25/21 09:52 06/25/21 17:17

1	o-respiretlyi	119		70 - 130				00/23/21 09.52	00/25/21 17.17	·
	Method: 300.0 - Anions, Ion Chromatogi	aphy -	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	726		5.00		mg/Kg			06/29/21 11:33	1

Client Sample ID: FS15 Lab Sample ID: 890-863-8 Date Collected: 06/23/21 10:32 **Matrix: Solid**

Date Received: 06/23/21 13:54

Sample Depth: 2 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		06/24/21 13:24	06/26/21 05:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/24/21 13:24	06/26/21 05:05	1
1,4-Difluorobenzene (Surr)	97		70 ₋ 130				06/24/21 13:24	06/26/21 05:05	1

Lab Sample ID: 890-863-8

Client Sample Results

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: FS15

Date Collected: 06/23/21 10:32 Date Received: 06/23/21 13:54

Sample Depth: 2 - 3

Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/25/21 09:52	06/25/21 17:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/25/21 09:52	06/25/21 17:30	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/21 09:52	06/25/21 17:30	1
Total TPH	<50.0	U	50.0		mg/Kg		06/25/21 09:52	06/25/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/25/21 09:52	06/25/21 17:30	1
o-Terphenyl	95		70 - 130				06/25/21 09:52	06/25/21 17:30	1
— Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.1		5.01		mg/Kg			06/29/21 11:38	1

Client Sample ID: FS16 Lab Sample ID: 890-863-9 Matrix: Solid

Date Collected: 06/23/21 10:30 Date Received: 06/23/21 13:54

Sample Depth: - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 05:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 05:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 05:30	•
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 05:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 05:30	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 05:30	•
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 05:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				06/24/21 13:24	06/26/21 05:30	-
1,4-Difluorobenzene (Surr)	85		70 - 130				06/24/21 13:24	06/26/21 05:30	:
Analyte	Result	Qualifier	RL	MUDL	Unit	D			
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
0 1' D 0 1						_ <u>-</u>	Prepared	Analyzed	
Gasoline Range Organics	<50.0	U	50.0		mg/Kg	_ =	06/24/21 16:40	06/25/21 20:13	
(GRO)-C6-C10	<50.0 <50.0					_ =			
(GRO)-C6-C10 Diesel Range Organics (Over			50.0		mg/Kg	=	06/24/21 16:40	06/25/21 20:13	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U	50.0		mg/Kg		06/24/21 16:40	06/25/21 20:13	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U U	50.0		mg/Kg		06/24/21 16:40 06/24/21 16:40	06/25/21 20:13 06/25/21 20:13	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0 <50.0	U U	50.0 50.0 50.0		mg/Kg mg/Kg mg/Kg	<u> </u>	06/24/21 16:40 06/24/21 16:40 06/24/21 16:40	06/25/21 20:13 06/25/21 20:13 06/25/21 20:13	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0 <50.0 <50.0	U U	50.0 50.0 50.0 50.0		mg/Kg mg/Kg mg/Kg	<u> </u>	06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 06/24/21 16:40	06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 06/25/21 20:13	Dil Fa
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	<50.0 <50.0 <50.0 %Recovery	U U	50.0 50.0 50.0 50.0 Limits		mg/Kg mg/Kg mg/Kg	-	06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 Prepared	06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 Analyzed	Dil Fa
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	<50.0 <50.0 <50.0 %Recovery 94 99	U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130		mg/Kg mg/Kg mg/Kg	-	06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 Prepared 06/24/21 16:40	06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 Analyzed 06/25/21 20:13	Dil Fa
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	<50.0 <50.0 <50.0 <50.0 **Recovery 94 99 pomatography -	U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130		mg/Kg mg/Kg mg/Kg		06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 06/24/21 16:40 Prepared 06/24/21 16:40	06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 06/25/21 20:13 Analyzed 06/25/21 20:13	Dil Fac

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1 SDG: 31402909.06

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Lab Sample ID: 890-863-10

Matrix: Solid

Client Sample ID: FS17
Date Collected: 06/23/21 10:58

Date Received: 06/23/21 13:54

Sample Depth: - 3

Method: 8021B - Volatile Orga	inic Compounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				06/24/21 13:24	06/26/21 05:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/24/21 13:24	06/26/21 05:56	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/21 16:40	06/25/21 20:34	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/24/21 16:40	06/25/21 20:34	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88	70 - 130	06/24/21 16:40	06/25/21 20:34	1
o-Terphenyl	94	70 - 130	06/24/21 16:40	06/25/21 20:34	1

49.9

49.9

mg/Kg

mg/Kg

06/24/21 16:40

06/24/21 16:40

06/25/21 20:34

06/25/21 20:34

<49.9 U

<49.9 U

Method: 300.0 - Anions, Ion Chron	natography - S	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.96		mg/Kg			06/29/21 05:36	1

Client Sample ID: FS18

Lab Sample ID: 890-863-11

Date Collected: 06/23/21 10:56

Matrix: Solid

Date Received: 06/23/21 13:54

Oll Range Organics (Over C28-C36)

Sample Depth: - 3

C10-C28)

Total TPH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/24/21 13:24	06/26/21 07:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/24/21 13:24	06/26/21 07:40	1
1,4-Difluorobenzene (Surr)	77		70 ₋ 130				06/24/21 13:24	06/26/21 07:40	1

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-863-1

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Client Comple ID: ES49

Client Sample ID: FS18

Date Collected: 06/23/21 10:56

Matrix: Solid

Date Received: 06/23/21 13:54

Sample Depth: - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 17:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 17:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 17:44	1
Total TPH	<49.9	U	49.9		mg/Kg		06/25/21 09:52	06/25/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/25/21 09:52	06/25/21 17:44	1
o-Terphenyl	106		70 - 130				06/25/21 09:52	06/25/21 17:44	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.95		mg/Kg			06/29/21 05:49	

Client Sample ID: FS19

Lab Sample ID: 890-863-12

Date Collected: 06/23/21 10:55

Matrix: Solid

Date Collected: 06/23/21 10:55
Date Received: 06/23/21 13:54

Sample Depth: - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/24/21 13:24	06/26/21 08:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				06/24/21 13:24	06/26/21 08:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/24/21 13:24	06/26/21 08:06	1
Method: 8015B NM - Diesel Rang	•		RI	MDI	Unit	n	Prenared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	•	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/25/21 09:52	Analyzed 06/25/21 18:08	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 18:08	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u> </u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	06/25/21 09:52	06/25/21 18:08	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U	49.9	MDL	mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52	06/25/21 18:08 06/25/21 18:08	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 18:08 06/25/21 18:08 06/25/21 18:08	1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52	06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 06/25/21 18:08	1 1 1 1 Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	49.9 49.9 49.9 49.9 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared	06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 Analyzed	1 1 1 <i>Dil Fac</i>
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 Analyzed 06/25/21 18:08	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130		mg/Kg mg/Kg mg/Kg	D	06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 06/25/21 09:52 Prepared 06/25/21 09:52	06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 06/25/21 18:08 Analyzed 06/25/21 18:08	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Date Received: 06/23/21 13:54

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Client Sample ID: SW01 Lab Sample ID: 890-863-13 Date Collected: 06/23/21 09:13

Matrix: Solid

Job ID: 890-863-1

Sample Depth: 0 - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/24/21 13:24	06/26/21 08:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				06/24/21 13:24	06/26/21 08:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/24/21 13:24	06/26/21 08:32	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:08	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:08	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/24/21 10:16	06/24/21 20:08	1
o-Terphenyl	83		70 - 130				06/24/21 10:16	06/24/21 20:08	1

Method: 300.0 - Anions, Ion Chrom	atography - S	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		5.05		mg/Kg			06/29/21 05:58	1

Client Sample ID: SW02 Lab Sample ID: 890-863-14 Date Collected: 06/23/21 09:25 **Matrix: Solid**

Date Received: 06/23/21 13:54

Sample Depth: 0 - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 08:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				06/24/21 13:24	06/26/21 08:58	1
1,4-Difluorobenzene (Surr)	75		70 - 130				06/24/21 13:24	06/26/21 08:58	1

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Lab Sample ID: 890-863-14

Date Collected: 06/23/21 09:25 Date Received: 06/23/21 13:54

Client Sample ID: SW02

Matrix: Solid

Sample Depth: 0 - 2

Method: 8015B NM - Diesel Rang	e Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:29	,
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:29	•
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:29	
Total TPH	<49.9	U	49.9		mg/Kg		06/24/21 10:16	06/24/21 20:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	84		70 - 130				06/24/21 10:16	06/24/21 20:29	
o-Terphenyl	80		70 - 130				06/24/21 10:16	06/24/21 20:29	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	11.2		5.04		mg/Kg			06/29/21 06:02	

Client Sample ID: SW03 Lab Sample ID: 890-863-15 Date Collected: 06/23/21 11:01

Matrix: Solid

Date Received: 06/23/21 13:54

Sample Depth: 0 - 3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/24/21 13:24	06/26/21 09:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		70 - 130				06/24/21 13:24	06/26/21 09:24	
1,4-Difluorobenzene (Surr)	96		70 - 130				06/24/21 13:24	06/26/21 09:24	1
Method: 8015B NM - Diesel Rang	• • •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier		MDL		<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	• • •	Qualifier	RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/24/21 10:16	Analyzed 06/24/21 20:50	Dil Fac
	Result	Qualifier U		MDL		<u>D</u>			
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8	Qualifier U	49.8	MDL	mg/Kg	<u>D</u>	06/24/21 10:16	06/24/21 20:50	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	49.8	MDL	mg/Kg	<u>D</u>	06/24/21 10:16	06/24/21 20:50	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8 <49.8	Qualifier U U	49.8	MDL	mg/Kg	<u>D</u>	06/24/21 10:16 06/24/21 10:16	06/24/21 20:50 06/24/21 20:50	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U U U U	49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/24/21 10:16 06/24/21 10:16 06/24/21 10:16	06/24/21 20:50 06/24/21 20:50 06/24/21 20:50	·
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49	Qualifier U U U U	49.8 49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 06/24/21 10:16	06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 06/24/21 20:50	·
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49	Qualifier U U U U	49.8 49.8 49.8 49.8 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 Prepared	06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 Prepared 06/24/21 10:16	06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 Analyzed 06/24/21 20:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	D_	06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 06/24/21 10:16 Prepared 06/24/21 10:16	06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 06/24/21 20:50 Analyzed 06/24/21 20:50	Dil Fac

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-863-1	FS02	132 S1+	91	· —— —— —— —— —
890-863-1 MS	FS02	83	99	
890-863-1 MSD	FS02	84	102	
890-863-2	FS09	79	84	
890-863-3	FS10	92	96	
890-863-4	FS11	93	98	
890-863-5	FS12	91	95	
890-863-6	FS13	93	97	
890-863-7	FS14	86	93	
890-863-8	FS15	93	97	
890-863-9	FS16	71	85	
890-863-10	FS17	84	86	
890-863-11	FS18	85	77	
890-863-12	FS19	80	91	
890-863-13	SW01	84	93	
890-863-14	SW02	69 S1-	75	
890-863-15	SW03	91	96	
LCS 880-4593/1-A	Lab Control Sample	87	98	
LCS 880-4688/1-A	Lab Control Sample	99	94	
LCSD 880-4593/2-A	Lab Control Sample Dup	83	102	
LCSD 880-4688/2-A	Lab Control Sample Dup	98	93	
MB 880-4592/5-A	Method Blank	60 S1-	80	
MB 880-4593/5-A	Method Blank	58 S1-	83	
MB 880-4688/5-A	Method Blank	111	92	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-863-1	FS02	75	82	
890-863-1 MS	FS02	88	99	
890-863-1 MSD	FS02	92	102	
890-863-2	FS09	86	86	
890-863-3	FS10	97	97	
890-863-4	FS11	95	91	
890-863-5	FS12	90	82	
890-863-6	FS13	89	87	
890-863-7	FS14	105	119	
890-863-8	FS15	92	95	
890-863-9	FS16	94	99	
890-863-10	FS17	88	94	
890-863-11	FS18	95	106	
890-863-12	FS19	100	97	
890-863-13	SW01	86	83	

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
		1001		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-863-14	SW02	84	80	
890-863-15	SW03	85	81	
LCS 880-4566/2-A	Lab Control Sample	109	106	
LCS 880-4602/2-A	Lab Control Sample	96	100	
LCS 880-4619/2-A	Lab Control Sample	103	115	
LCSD 880-4566/3-A	Lab Control Sample Dup	108	103	
LCSD 880-4602/3-A	Lab Control Sample Dup	99	104	
LCSD 880-4619/3-A	Lab Control Sample Dup	106	115	
MB 880-4566/1-A	Method Blank	102	107	
MB 880-4602/1-A	Method Blank	98	109	
MB 880-4619/1-A	Method Blank	94	108	
Surrogate Legend				

OTPH = o-Terphenyl

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4592/5-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4592

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/24/21 13:20	06/25/21 12:41	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130	06	6/24/21 13:20	06/25/21 12:41	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06	6/24/21 13:20	06/25/21 12:41	1

Lab Sample ID: MB 880-4593/5-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4593

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 01:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/24/21 13:24	06/26/21 01:41	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	06/24/21 13:24	06/26/21 01:41	1
1.4-Difluorobenzene (Surr)	83		70 - 130	06/24/21 13:24	06/26/21 01:41	1

Lab Sample ID: LCS 880-4593/1-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4593

		Spike	LCS	LCS				%Rec.	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.09203		mg/Kg		92	70 - 130	
	Toluene	0.100	0.1039		mg/Kg		104	70 - 130	
	Ethylbenzene	0.100	0.08325		mg/Kg		83	70 - 130	
İ	m-Xylene & p-Xylene	0.200	0.1749		mg/Kg		87	70 - 130	
	o-Xylene	0.100	0.09010		mg/Kg		90	70 - 130	
ı									

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	87	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-863-1 SDG: 31402909.06 Project/Site: Canvasback 13 Fed 3H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-4593/2-A

Matrix: Solid Analysis Batch: 4608 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4593

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09020		mg/Kg		90	70 - 130	2	35
Toluene	0.100	0.08319		mg/Kg		83	70 - 130	22	35
Ethylbenzene	0.100	0.07789		mg/Kg		78	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1630		mg/Kg		82	70 - 130	7	35
o-Xylene	0.100	0.08453		mg/Kg		85	70 - 130	6	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-863-1 MS

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: FS02 Prep Type: Total/NA

Prep Batch: 4593

		Sample	Sample	Spike	MS	MS				%Rec.	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.0356	F1	0.100	0.07310	F1	mg/Kg		37	70 - 130	
	Toluene	0.0205	F1	0.100	0.06066	F1	mg/Kg		40	70 - 130	
	Ethylbenzene	0.0203	F1	0.100	0.03447	F1	mg/Kg		14	70 - 130	
İ	m-Xylene & p-Xylene	0.0337	F1	0.200	0.05504	F1	mg/Kg		11	70 - 130	
	o-Xylene	0.0166	F1	0.100	0.07202	F1	mg/Kg		55	70 - 130	
1											

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	83	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 890-863-1 MSD

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: FS02 Prep Type: Total/NA

Prep Batch: 4593

_	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0356	F1	0.0998	0.06527	F1	mg/Kg		30	70 - 130	11	35
Toluene	0.0205	F1	0.0998	0.05379	F1	mg/Kg		33	70 - 130	12	35
Ethylbenzene	0.0203	F1	0.0998	0.02851	F1	mg/Kg		8	70 - 130	19	35
m-Xylene & p-Xylene	0.0337	F1	0.200	0.05010	F1	mg/Kg		8	70 - 130	9	35
o-Xylene	0.0166	F1	0.0998	0.06598	F1	mg/Kg		49	70 - 130	9	35

MSD MSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	84	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: MB 880-4688/5-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4688

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/21 11:30	06/28/21 14:45	1

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-4688/5-A **Matrix: Solid**

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4688

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/21 11:30	06/28/21 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/28/21 11:30	06/28/21 14:45	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/28/21 11:30	06/28/21 14:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/28/21 11:30	06/28/21 14:45	1

Lab Sample ID: LCS 880-4688/1-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4688

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09272		mg/Kg		93	70 - 130	
Toluene	0.100	0.1075		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene	0.200	0.2345		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	99	70 - 130
1,4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: LCSD 880-4688/2-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4688

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09137		mg/Kg		91	70 - 130	1	35
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130	1	35
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	1	35

LCSD LCSD

мв мв Result Qualifier

<50.0 U

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4566/1-A

Matrix: Solid

Analysis Batch: 4568

Gasoline Range Organics

Client Sample ID: Method Blank Prep Type: Total/NA

Prepared

06/24/21 10:16

Prep Batch: 4566

Analyzed 06/24/21 12:07

(GRO)-C6-C10

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50.0

MDL Unit

mg/Kg

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1 SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-4566/1-A **Matrix: Solid**

Analysis Batch: 4568

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 4566

MB MB

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/24/21 10:16	06/24/21 12:07	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/21 10:16	06/24/21 12:07	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/21 10:16	06/24/21 12:07	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102	70 - 130	06/24/21 10:16	06/24/21 12:07	1
o-Terphenyl	107	70 - 130	06/24/21 10:16	06/24/21 12:07	1

Lab Sample ID: LCS 880-4566/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 4568

Prep Batch: 4566 LCS LCS Spike %Rec.

Added Result Qualifier Analyte Unit D %Rec Limits Gasoline Range Organics 1000 1019 102 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 980.2 mg/Kg 98 70 - 130

C10-C28)

	LCS LCS				
Surrogate	%Recovery Qualifier	Limits			
1-Chlorooctane	109	70 - 130			
o-Terphenyl	106	70 - 130			

Lab Sample ID: LCSD 880-4566/3-A

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4566

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Unit %Rec Limit Analyte Limits 1000 969.6 97 20 Gasoline Range Organics 70 - 130 5 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 963.7 mg/Kg 96 70 - 130 2 20

C10-C28)

Total TPH

LCSD LCSD

<50.0 U

Surrogate	%Recovery Qualit	ier Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	103	70 - 130

Lab Sample ID: MB 880-4602/1-A

Matrix: Solid

Analysis Batch: 4609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4602

MB MB Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac 06/24/21 16:40 06/25/21 11:38 Gasoline Range Organics <50.0 U 50.0 mg/Kg (GRO)-C6-C10 <50.0 U 50.0 06/24/21 16:40 06/25/21 11:38 Diesel Range Organics (Over mg/Kg C10-C28) <50.0 U 50.0 mg/Kg 06/24/21 16:40 06/25/21 11:38 OII Range Organics (Over C28-C36)

50.0

mg/Kg

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06/25/21 11:38

06/24/21 16:40

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-4602/1-A

Matrix: Solid

Analysis Batch: 4609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4602

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepar	red	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/24/21	16:40	06/25/21 11:38	1
o-Terphenyl	109		70 - 130	06/24/21	16:40	06/25/21 11:38	1

Lab Sample ID: LCS 880-4602/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 4609

Prep Type: Total/NA

Prep Batch: 4602

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits	
Gasoline Range Organics	1000	894.5		mg/Kg	89	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1034		mg/Kg	103	70 - 130	
C10-C28)							

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-4602/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 4609

Prep Type: Total/NA

Prep Batch: 4602

Spike LCSD LCSD RPD %Rec. Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 997.5 mg/Kg 100 70 - 130 11 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1055 mg/Kg 105 70 - 130 2 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualified	r Limits
1-Chlorooctane	99	70 - 130
o-Terphenyl	104	70 - 130

Lab Sample ID: MB 880-4619/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 4617

Prep Type: Total/NA

Prep Batch: 4619

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 06/25/21 09:52 06/25/21 14:44 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 06/25/21 09:52 06/25/21 14:44 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/25/21 09:52 06/25/21 14:44 Total TPH <50.0 U 50.0 mg/Kg 06/25/21 09:52 06/25/21 14:44

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/25/21 09:52	06/25/21 14:44	1
o-Terphenyl	108		70 - 130	06/25/21 09:52	06/25/21 14:44	1

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Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-4619/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 4617 Prep Type: Total/NA Prep Batch: 4619

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1096 mg/Kg 110 70 - 130 (GRO)-C6-C10 1000 926.5 Diesel Range Organics (Over mg/Kg 93 70 - 130

C10-C28)

	LCS		
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-4619/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 4617

Official Gampie ID. Eas	Control Campic Bup
	Prep Type: Total/NA
	Prep Batch: 4619

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1107 70 - 130 Gasoline Range Organics mg/Kg 111 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 931.7 mg/Kg 93 70 - 130 20 C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 106 70 - 130 o-Terphenyl 115 70 - 130

Lab Sample ID: 890-863-1 MS Client Sample ID: FS02 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 4617 Prep Batch: 4619

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.7	U	999	1043		mg/Kg		104	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.7	U	999	873.4		mg/Kg		87	70 - 130	
040 000)										

C10-C28)

	MS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-863-1 MSD Client Sample ID: FS02 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 4617

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	996.8		mg/Kg		100	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	928.2		mg/Kg		93	70 - 130	6	20
	MSD	MSD									

Surrogate Limits %Recovery Qualifier 70 - 130 1-Chlorooctane 92

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Prep Batch: 4619

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Lab Sample ID: 890-863-1 MSD

Job ID: 890-863-1

SDG: 31402909.06

Client Sample ID: FS02

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4619

Prep Type: Soluble

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Surrogate

o-Terphenyl

Analysis Batch: 4617

MSD MSD

%Recovery Qualifier 102

Limits 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4584/1-A

Matrix: Solid

Analysis Batch: 4716

MB MB

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride <5.00 5.00 06/29/21 08:59 U mg/Kg

Lab Sample ID: LCS 880-4584/2-A

Matrix: Solid

Analysis Batch: 4716

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 244.1 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-4584/3-A

Matrix: Solid

Analysis Batch: 4716

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 244.5 90 - 110 mg/Kg

Lab Sample ID: MB 880-4585/1-A

Matrix: Solid

Analysis Batch: 4717

MR MR

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride <5.00 U 5.00 06/29/21 05:23 mg/Kg

Lab Sample ID: LCS 880-4585/2-A

Matrix: Solid

Analysis Batch: 4717

Spike LCS LCS %Rec. Added Qualifier Analyte Result Limits Unit %Rec Chloride 250 90 - 110 240.8 mg/Kg

Lab Sample ID: LCSD 880-4585/3-A

Matrix: Solid

Analysis Batch: 4717

Spike LCSD LCSD %Rec. RPD Added Qualifier Analyte Result %Rec Limits RPD Limit Unit D Chloride 250 241.6 97 90 - 110 20 mg/Kg 0

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-863-10 MS **Client Sample ID: FS17 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4717

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	107		250	346.7		mg/Kg		96	90 - 110	

Lab Sample ID: 890-863-10 MSD **Client Sample ID: FS17 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4717

Sample Sample Spike MSD MSD %Rec. RPD RPD Limit Analyte Result Qualifier Added Result Qualifier %Rec Limits Unit Chloride 107 250 347.4 mg/Kg 96 90 - 110 0

Client: WSP USA Inc.

Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

GC VOA

Prep Batch: 4592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4592/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 4593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-863-1	FS02	Total/NA	Solid	5035	
890-863-2	FS09	Total/NA	Solid	5035	
890-863-3	FS10	Total/NA	Solid	5035	
890-863-4	FS11	Total/NA	Solid	5035	
890-863-5	FS12	Total/NA	Solid	5035	
890-863-6	FS13	Total/NA	Solid	5035	
890-863-7	FS14	Total/NA	Solid	5035	
890-863-8	FS15	Total/NA	Solid	5035	
890-863-9	FS16	Total/NA	Solid	5035	
890-863-10	FS17	Total/NA	Solid	5035	
890-863-11	FS18	Total/NA	Solid	5035	
890-863-12	FS19	Total/NA	Solid	5035	
890-863-13	SW01	Total/NA	Solid	5035	
890-863-14	SW02	Total/NA	Solid	5035	
890-863-15	SW03	Total/NA	Solid	5035	
MB 880-4593/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4593/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4593/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-863-1 MS	FS02	Total/NA	Solid	5035	
890-863-1 MSD	FS02	Total/NA	Solid	5035	

Analysis Batch: 4608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Total/NA	Solid	8021B	4593
890-863-2	FS09	Total/NA	Solid	8021B	4593
890-863-3	FS10	Total/NA	Solid	8021B	4593
890-863-4	FS11	Total/NA	Solid	8021B	4593
890-863-5	FS12	Total/NA	Solid	8021B	4593
890-863-6	FS13	Total/NA	Solid	8021B	4593
890-863-7	FS14	Total/NA	Solid	8021B	4593
890-863-8	FS15	Total/NA	Solid	8021B	4593
890-863-9	FS16	Total/NA	Solid	8021B	4593
890-863-10	FS17	Total/NA	Solid	8021B	4593
890-863-11	FS18	Total/NA	Solid	8021B	4593
890-863-12	FS19	Total/NA	Solid	8021B	4593
890-863-13	SW01	Total/NA	Solid	8021B	4593
890-863-14	SW02	Total/NA	Solid	8021B	4593
890-863-15	SW03	Total/NA	Solid	8021B	4593
MB 880-4592/5-A	Method Blank	Total/NA	Solid	8021B	4592
MB 880-4593/5-A	Method Blank	Total/NA	Solid	8021B	4593
LCS 880-4593/1-A	Lab Control Sample	Total/NA	Solid	8021B	4593
LCSD 880-4593/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4593
890-863-1 MS	FS02	Total/NA	Solid	8021B	4593
890-863-1 MSD	FS02	Total/NA	Solid	8021B	4593

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1

SDG: 31402909.06

GC VOA

Prep Batch: 4688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-863-1	FS02	Total/NA	Solid	5035
MB 880-4688/5-A	Method Blank	Total/NA	Solid	5035
LCS 880-4688/1-A	Lab Control Sample	Total/NA	Solid	5035
LCSD 880-4688/2-A	Lab Control Sample Dup	Total/NA	Solid	5035

Analysis Batch: 4689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Total/NA	Solid	8021B	4688
MB 880-4688/5-A	Method Blank	Total/NA	Solid	8021B	4688
LCS 880-4688/1-A	Lab Control Sample	Total/NA	Solid	8021B	4688
LCSD 880-4688/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4688

GC Semi VOA

Prep Batch: 4566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-13	SW01	Total/NA	Solid	8015NM Prep	
890-863-14	SW02	Total/NA	Solid	8015NM Prep	
890-863-15	SW03	Total/NA	Solid	8015NM Prep	
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-13	SW01	Total/NA	Solid	8015B NM	4566
890-863-14	SW02	Total/NA	Solid	8015B NM	4566
890-863-15	SW03	Total/NA	Solid	8015B NM	4566
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015B NM	4566
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4566
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4566

Prep Batch: 4602

Lab Sample ID 890-863-9	Client Sample ID FS16	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
890-863-10	FS17	Total/NA	Solid	8015NM Prep	
MB 880-4602/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4602/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4602/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-9	FS16	Total/NA	Solid	8015B NM	4602
890-863-10	FS17	Total/NA	Solid	8015B NM	4602
MB 880-4602/1-A	Method Blank	Total/NA	Solid	8015B NM	4602
LCS 880-4602/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4602
LCSD 880-4602/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4602

Analysis Batch: 4617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Total/NA	Solid	8015B NM	4619

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

GC Semi VOA (Continued)

Analysis Batch: 4617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-2	FS09	Total/NA	Solid	8015B NM	4619
890-863-3	FS10	Total/NA	Solid	8015B NM	4619
890-863-4	FS11	Total/NA	Solid	8015B NM	4619
890-863-5	FS12	Total/NA	Solid	8015B NM	4619
890-863-6	FS13	Total/NA	Solid	8015B NM	4619
890-863-7	FS14	Total/NA	Solid	8015B NM	4619
890-863-8	FS15	Total/NA	Solid	8015B NM	4619
890-863-11	FS18	Total/NA	Solid	8015B NM	4619
890-863-12	FS19	Total/NA	Solid	8015B NM	4619
MB 880-4619/1-A	Method Blank	Total/NA	Solid	8015B NM	4619
LCS 880-4619/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4619
LCSD 880-4619/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4619
890-863-1 MS	FS02	Total/NA	Solid	8015B NM	4619
890-863-1 MSD	FS02	Total/NA	Solid	8015B NM	4619

Prep Batch: 4619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Total/NA	Solid	8015NM Prep	
890-863-2	FS09	Total/NA	Solid	8015NM Prep	
890-863-3	FS10	Total/NA	Solid	8015NM Prep	
890-863-4	FS11	Total/NA	Solid	8015NM Prep	
890-863-5	FS12	Total/NA	Solid	8015NM Prep	
890-863-6	FS13	Total/NA	Solid	8015NM Prep	
890-863-7	FS14	Total/NA	Solid	8015NM Prep	
890-863-8	FS15	Total/NA	Solid	8015NM Prep	
890-863-11	FS18	Total/NA	Solid	8015NM Prep	
890-863-12	FS19	Total/NA	Solid	8015NM Prep	
MB 880-4619/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4619/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4619/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-863-1 MS	FS02	Total/NA	Solid	8015NM Prep	
890-863-1 MSD	FS02	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 4584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Soluble	Solid	DI Leach	
890-863-2	FS09	Soluble	Solid	DI Leach	
890-863-3	FS10	Soluble	Solid	DI Leach	
890-863-4	FS11	Soluble	Solid	DI Leach	
890-863-5	FS12	Soluble	Solid	DI Leach	
890-863-6	FS13	Soluble	Solid	DI Leach	
890-863-7	FS14	Soluble	Solid	DI Leach	
890-863-8	FS15	Soluble	Solid	DI Leach	
890-863-9	FS16	Soluble	Solid	DI Leach	
MB 880-4584/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1 SDG: 31402909.06

HPLC/IC

Leach Batch: 4585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-10	FS17	Soluble	Solid	DI Leach	
890-863-11	FS18	Soluble	Solid	DI Leach	
890-863-12	FS19	Soluble	Solid	DI Leach	
890-863-13	SW01	Soluble	Solid	DI Leach	
890-863-14	SW02	Soluble	Solid	DI Leach	
890-863-15	SW03	Soluble	Solid	DI Leach	
MB 880-4585/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4585/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4585/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-863-10 MS	FS17	Soluble	Solid	DI Leach	
890-863-10 MSD	FS17	Soluble	Solid	DI Leach	

Analysis Batch: 4716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-1	FS02	Soluble	Solid	300.0	4584
890-863-2	FS09	Soluble	Solid	300.0	4584
890-863-3	FS10	Soluble	Solid	300.0	4584
890-863-4	FS11	Soluble	Solid	300.0	4584
890-863-5	FS12	Soluble	Solid	300.0	4584
890-863-6	FS13	Soluble	Solid	300.0	4584
890-863-7	FS14	Soluble	Solid	300.0	4584
890-863-8	FS15	Soluble	Solid	300.0	4584
890-863-9	FS16	Soluble	Solid	300.0	4584
MB 880-4584/1-A	Method Blank	Soluble	Solid	300.0	4584
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	300.0	4584
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4584

Analysis Batch: 4717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-863-10	FS17	Soluble	Solid	300.0	4585
890-863-11	FS18	Soluble	Solid	300.0	4585
890-863-12	FS19	Soluble	Solid	300.0	4585
890-863-13	SW01	Soluble	Solid	300.0	4585
890-863-14	SW02	Soluble	Solid	300.0	4585
890-863-15	SW03	Soluble	Solid	300.0	4585
MB 880-4585/1-A	Method Blank	Soluble	Solid	300.0	4585
LCS 880-4585/2-A	Lab Control Sample	Soluble	Solid	300.0	4585
LCSD 880-4585/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4585
890-863-10 MS	FS17	Soluble	Solid	300.0	4585
890-863-10 MSD	FS17	Soluble	Solid	300.0	4585

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc. Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1 SDG: 31402909.06

Client Sample ID: FS02

Date Collected: 06/23/21 09:11 Date Received: 06/23/21 13:54 Lab Sample ID: 890-863-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4688	06/28/21 11:30	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/28/21 21:49	MR	XEN MID
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 02:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 13:44	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 10:49	CH	XEN MID

Client Sample ID: FS09 Lab Sample ID: 890-863-2

Date Collected: 06/23/21 09:24

Date Received: 06/23/21 13:54

Matrix: Solid

Batch	Batch		Dilution	Batch	Prepared		
Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Analysis	8021B		1	4608	06/26/21 02:32	MR	XEN MID
Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Analysis	8015B NM		1	4617	06/25/21 16:08	AJ	XEN MID
Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Analysis	300.0		1	4716	06/29/21 10:54	CH	XEN MID
	Type Prep Analysis Prep Analysis Leach	Type Method Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach DI Leach	Type Method Run Factor Prep 5035 Factor Analysis 8021B 1 Prep 8015NM Prep 1 Analysis 8015B NM 1 Leach DI Leach	Type Method Run Factor Number Prep 5035 4593 Analysis 8021B 1 4608 Prep 8015NM Prep 4619 Analysis 8015B NM 1 4617 Leach DI Leach 4584	Type Method Run Factor Number or Analyzed Prep 5035 4593 06/24/21 13:24 Analysis 8021B 1 4608 06/26/21 02:32 Prep 8015NM Prep 4619 06/25/21 09:52 Analysis 8015B NM 1 4617 06/25/21 16:08 Leach DI Leach 4584 06/24/21 12:13	Type Method Run Factor Number or Analyzed Analyst Prep 5035 4593 06/24/21 13:24 MR Analysis 8021B 1 4608 06/26/21 02:32 MR Prep 8015NM Prep 4619 06/25/21 09:52 DM Analysis 8015B NM 1 4617 06/25/21 16:08 AJ Leach DI Leach 4584 06/24/21 12:13 CH

Client Sample ID: FS10 Lab Sample ID: 890-863-3 Date Collected: 06/23/21 09:23

Date Received: 06/23/21 13:54

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 02:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 16:21	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:11	CH	XEN MID

Client Sample ID: FS11 Lab Sample ID: 890-863-4 Date Collected: 06/23/21 10:28

Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 03:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:16	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Matrix: Solid

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1

SDG: 31402909.06 Lab Sample ID: 890-863-5

Client Sample ID: FS12 Date Collected: 06/23/21 11:32 Matrix: Solid Date Received: 06/23/21 13:54

Dilution

		Batch	Batch		Dilution	Batch	Prepared			
F	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Ŧ	Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID	-
1	īotal/NA	Analysis	8021B		1	4608	06/26/21 03:48	MR	XEN MID	
1	「otal/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID	
T	Total/NA	Analysis	8015B NM		1	4617	06/25/21 16:49	AJ	XEN MID	
5	Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID	
٤	Soluble	Analysis	300.0		1	4716	06/29/21 11:22	CH	XEN MID	

Client Sample ID: FS13 Lab Sample ID: 890-863-6 **Matrix: Solid**

Date Collected: 06/23/21 09:33 Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 04:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:27	CH	XEN MID

Client Sample ID: FS14 Lab Sample ID: 890-863-7

Date Collected: 06/23/21 10:34 **Matrix: Solid** Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 04:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:33	CH	XEN MID

Lab Sample ID: 890-863-8 **Client Sample ID: FS15**

Date Collected: 06/23/21 10:32 Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 05:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:38	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Released to Imaging: 10/20/2021 9:38:24 AM

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 31402909.06

Lab Sample ID: 890-863-9

XEN MID

XEN MID

Matrix: Solid

Job ID: 890-863-1

Client Sample ID: FS16	Lab Sample ID: 8
Date Collected: 06/23/21 10:30	Ma
Date Received: 06/23/21 13:54	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 05:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			4602	06/24/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4609	06/25/21 20:13	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 11:44	CH	XEN MID

Client Sample ID: FS17 Lab Sample ID: 890-863-10 **Matrix: Solid**

Date Collected: 06/23/21 10:58 Date Received: 06/23/21 13:54

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch

Туре

Prep

Prep

Analysis

Analysis

Leach

Analysis

Batch

5035

8021B

8015NM Prep

8015B NM

DI Leach

300.0

Method

	Dilution	Batch	Prepared		
Run	Factor	Number	or Analyzed	Analyst	Lab
		4593	06/24/21 13:24	MR	XEN MID
	1	4608	06/26/21 05:56	MR	XEN MID
		4602	06/24/21 16:40	DM	XEN MID
	1	4609	06/25/21 20:34	AJ	XEN MID

4585 06/24/21 12:16 CH

4717 06/29/21 05:36 CH

1 **Client Sample ID: FS18** Lab Sample ID: 890-863-11

Date Collected: 06/23/21 10:56 **Matrix: Solid** Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 07:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			4585	06/24/21 12:16	СН	XEN MID
Soluble	Analysis	300.0		1	4717	06/29/21 05:49	CH	XEN MID

Client Sample ID: FS19 Lab Sample ID: 890-863-12

Date Collected: 06/23/21 10:55 Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 08:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			4619	06/25/21 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4617	06/25/21 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			4585	06/24/21 12:16	СН	XEN MID
Soluble	Analysis	300.0		1	4717	06/29/21 05:53	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H SDG: 31402909.06

Client Sample ID: SW01

Lab Sample ID: 890-863-13

Date Collected: 06/23/21 09:13 Date Received: 06/23/21 13:54

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	Matrix: Solid	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 08:32	MR	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 20:08	AJ	XEN MID
Soluble	Leach	DI Leach			4585	06/24/21 12:16	CH	XEN MID
Soluble	Analysis	300.0		1	4717	06/29/21 05:58	CH	XEN MID

Client Sample ID: SW02 Lab Sample ID: 890-863-14

Date Collected: 06/23/21 09:25 Date Received: 06/23/21 13:54 **Matrix: Solid**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 08:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 20:29	AJ	XEN MID
Soluble	Leach	DI Leach			4585	06/24/21 12:16	CH	XEN MID
Soluble	Analysis	300.0		1	4717	06/29/21 06:02	CH	XEN MID

Client Sample ID: SW03 Lab Sample ID: 890-863-15

Date Collected: 06/23/21 11:01 **Matrix: Solid** Date Received: 06/23/21 13:54

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4593	06/24/21 13:24	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/26/21 09:24	MR	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 20:50	AJ	XEN MID
Soluble	Leach	DI Leach			4585	06/24/21 12:16	СН	XEN MID
Soluble	Analysis	300.0		1	4717	06/29/21 06:16	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-863-1 Project/Site: Canvasback 13 Fed 3H

Total BTEX

SDG: 31402909.06

Laboratory: Eurofins Xenco, Midland

5035

8021B

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-20-21	06-30-21
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes fo
the agency does not of	fer certification.			
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	

Solid

Method Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1

SDG: 31402909.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Released to Imaging: 10/20/2021 9:38:24 AM

Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-863-1 SDG: 31402909.06

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-863-1	FS02	Solid	06/23/21 09:11	06/23/21 13:54	1 - 2
890-863-2	FS09	Solid	06/23/21 09:24	06/23/21 13:54	- 2
890-863-3	FS10	Solid	06/23/21 09:23	06/23/21 13:54	- 2
890-863-4	FS11	Solid	06/23/21 10:28	06/23/21 13:54	- 2
890-863-5	FS12	Solid	06/23/21 11:32	06/23/21 13:54	- 1
890-863-6	FS13	Solid	06/23/21 09:33	06/23/21 13:54	- 2
890-863-7	FS14	Solid	06/23/21 10:34	06/23/21 13:54	- 2
890-863-8	FS15	Solid	06/23/21 10:32	06/23/21 13:54	2 - 3
890-863-9	FS16	Solid	06/23/21 10:30	06/23/21 13:54	- 3
890-863-10	FS17	Solid	06/23/21 10:58	06/23/21 13:54	- 3
890-863-11	FS18	Solid	06/23/21 10:56	06/23/21 13:54	- 3
890-863-12	FS19	Solid	06/23/21 10:55	06/23/21 13:54	- 3
890-863-13	SW01	Solid	06/23/21 09:13	06/23/21 13:54	0 - 2
890-863-14	SW02	Solid	06/23/21 09:25	06/23/21 13:54	0 - 2
890-863-15	SW03	Solid	06/23/21 11:01	06/23/21 13:54	0 - 3

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Revised Date 051418 Rev 2018 1					-			-		
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Date/Time	Received by: (Signature)	Relinquished by: (Signature)	ime	Date/Time		Received by: (Signature)	Received b) (e)	y: (Signature	Relinguished by:
	enforced unless previously negotiateu.	Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless	co, but not ar	itted to Xen	ich sample subm	a charge of \$5 for ea	each project and	will be applied to	harge of \$75.00	Xenco. A minimum o
	are due to circumstances beyond the control	olice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns started is service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circu	to Xenco, its anses incurred	it company ses or expe	order from clies bility for any los	ites a valid purchasi ssume any respons	f samples constitues and shall not a	relinquishment of	document and e liable only for	otice: Signature of this service. Xenco will b
1631/243:1/74/0/74/1. ng		11111	Ba Be C	Sb As	10: BRCRA	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd	alyzed T	tal(s) to be an	t(s) and Me	Circle Method(s) and Metal(s) to be analyzed
	Ni K Se Ag SiO2	Cd Ca Cr Co Cu	s Ba Be	Al Sb As	Texas 11	8RCRA 13PPM	88	200.8 / 6020:		Total 200.7 / 6010
Composite			×	×	1	10:58 3'	6/23/2021	S	17	FS17
Composite			×	×		10:30 3'	6/23/2021	s	16	FS16
Composite			×	×		10:32 2-3'	6/23/2021	S	15	FS15
Composite			×	×	1		6/23/2021	S	14	FS14
Composite			×	×	1	9:33 2'	6/23/2021	Ø	13	FS13
Composite			×	×	1	11:32 1'	6/23/2021	S	12	FS12
Composite			×	×		10:28 2'	6/23/2021	s	11	FS11
Composite			×	×	1	9:23 2'	6/23/2021	S	10	FS10
Composite			×	×		9:24 2'	6/23/2021	s	09	FS09
Composite			×	×		9:11 1-2'	6/23/2021	S	02	FS02
Sample Comments			BTEX (TPH (E	Depth Numb	Time D Sampled D	Date Sampled	Matrix	ntification	Sample Identification
					er o	Total Containers:	Total C	s (NO N/A	_	Sample Custody Seals:
TAT starts the day recevied by the	TAT		_		10	Correction Factor: _ O -	Correct	3	ıls: Yes	Cooler Custody Seals:
	ustody	890-863 Chain of Custody	+	+	ntai	M-00-	77	ýes No	,	Received Intact:
))		iner	Thermometer ID	(4/8.2	01	emperature (°C):
					8	Wet Ice: Ves	Kes No	Temp Blank:	EIPT	SAMPLE RECEIPT
						Due Date:	ather	William Mather		sampler's Name:
						Rush:		Eddy		O.O. Number:
			_			Routine).06	31402909.06		^o roject Number:
Work Order Notes		ANALYSIS REQUEST			ound	Turn Around	3 Fed 3H	Canvasback 13 Fed 3H	C	^o roject Name∶
Ciliei	Deliverables: EDD ADari	Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com	ennings@w	om, kalei.j	ather@wsp.co	Email: will.m		3849	(432) 236-3849	hone:
Like Live IV	evel				City, State ZIP:	City,		× 79705	Midland, Tx 79705	City, State ZIP:
]				SS:	Address:		h A Street	3300 North A Street	\ddress:
□RC □perfund □	Program: UST/PST ☐RP ☐rownfields		Concho Operating	Concho	Company Name:	Comp	n office	WSP USA Inc., Permian office	WSP USA	Company Name:
	Work Order Comments		rez	lke Tavarez	Bill to: (if different)	Bill to		nings	Kalei Jennings	^o roject Manager:
Page or or	www.xenco.com	Hobbs.NM (575-392-7550) Phoenix.AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	900) Atlanta,	480-355-09)) Phoenix,AZ (NM (575-392-755)	Hobbs			
-		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296	(214) 902-03I TX (915)585-	Dallas,TX (281) 240-4200 (432-704-5440)	Houston,TX (Midland,TX		0		
	Work Order No.	Chain of Custody		Jugu						
2.4	Wall Order No.	+>	いいかつ	ノ「ハー						

Chain of Custody

		Relinquished by: (Signature)	Votice: Signature of this docu of service. Xenco will be liab of Xenco. A minimum charge	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed			1	SW03	SW02	SW01	FS19	FS18	Sample identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:		City, State ZIP: Mi	Address: 33	Company Name: W	Project Manager: Ka	(XE
	\pm	ignature)	rment and relinquishme le only for the cost of sa of \$75.00 will be applie) 200.8 / 6020: and Metal(s) to be				s	S	s	s	S	cation Matrix	Yes No N	Yes No N/A	Yes No		Temp Blank:	William	Eα	31402	Canvasback	(432) 236-3849	Midland, Tx 79705	3300 North A Street	WSP USA Inc., Permian office	Kalei Jennings	XENTORIES ASGRATORIES
	PAN C. F	Received by	ont of samples constituamples and shall not a	8F analyzed T				6/23/2021	6/23/2021	6/23/2021	6/23/2021	6/23/2021	Date Sampled	N/A Total C		\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ınk: Yes No	William Mather	Eddy	31402909.06	Canvasback 13 Fed 3H				nian office		Hobbs
		Received by: (Signature)	utes a valid purchase o assume any responsibil a charge of \$5 for each	8RCRA 13PPM TCLP / SPLP 6010	\ \ \			11:01 0-3'	9:25 0-2'	9:13 0-2'	10:55 3'	10:56 3'	Time Depth	Total Containers:	Correction Factor:		Ibermometer ID	Wet Ice: Yes	Due Date:	Rush:	Routine	Turn Around	Email: will.mat	City, State ZIP:	Address:	Compa	Bill to: (Houston,TX (28 Midland,TX (4 s,NM (575-392-7550)
	(0.2		rder from client o lity for any losse: sample submitt	Texas 11 A 0: 8RCRA	7							1	Numbe	er of	f Co	nta	iner	S S				nd	her@wsp.com	ate ZIP:	S	Company Name:	Bill to: (if different)	(1) 240-4200 Da 32-704-5440) E Phoenix,AZ (48
	0-23-71 1354	Date/Time	company to Xenus or expenses in ad to Xenco, but	Al Sb As Ba Sb As Ba B				×	×	×	×	×	TPH (EI)						ı, kalei.jennin			Concho Operating	lke Tavarez	allas,TX (214) § EL Paso,TX (91 0-355-0900) A
O) A.	2	Relinquished by: (Signature)	voltce: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the controp of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	8RCRA 13PPM Texas 11 AISb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U				×	×	×	×	×	Chlorid	le (El	PA 3	800.1	0)					ANALYSIS REQUEST	Email: will.mather@wsp.com, kalei.jennings@wsp.com, itavarez@concho.com			ating		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
		re) Received by: (Signature)	s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.	Ag SiO2 Na Sr 1631/2									Se	lab	TAT sta								Deliverables: EDD ADaPT	□evel III □ST/UST □	1	□RP □rownfields	Work Order Comments	620-2000) www.xenco.com Page
		Date/Time		TI Sn U V Zn 45.1 / 7470 / 7471 : Hg				Composite	Composite	Composite	Composite	Composite	Sample Comments	, if received by 4:30pm	TAT starts the day recevied by the							Work Order Notes	Other:	RP Usvel IV]	☐RC Derfund ☐	its	9. 6/30/2

Work Order No:

Login Sample Receipt Checklist

 Client: WSP USA Inc.
 Job Number: 890-863-1

 SDG Number: 31402909.06

Login Number: 863 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-863-1 SDG Number: 31402909.06

Login Number: 863
List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 06/24/21 12:10 PM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-908-1

Laboratory Sample Delivery Group: 314029.09.06 Client Project/Site: Canvasback 13 Fed 3H

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Kalei Jennings

MEAMER

Authorized for release by: 7/13/2021 5:38:41 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

Links

results through

Review your project

Have a Question?



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: WSP USA Inc.
Project/Site: Canvasback 13 Fed 3H

Laboratory Job ID: 890-908-1
SDG: 314029.09.06

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H

SDG: 314029.09.06

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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Case Narrative

Client: WSP USA Inc.

Job ID: 890-908-1 SDG: 314029.09.06 Project/Site: Canvasback 13 Fed 3H

Job ID: 890-908-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-908-1

Receipt

The sample was received on 7/7/2021 2:58 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H SDG: 314029.09.06

Client Sample ID: FS14A

Lab Sample ID: 890-908-1

Matrix: Solid

Date Received: 07/07/21 14:58 Sample Depth: - 2

Date Collected: 07/07/21 12:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/21 14:00	07/09/21 11:56	1
Toluene	< 0.00201	U	0.00201		mg/Kg		07/08/21 14:00	07/09/21 11:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/21 14:00	07/09/21 11:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/21 14:00	07/09/21 11:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/21 14:00	07/09/21 11:56	
Xylenes, Total	< 0.00402	U	0.00402		mg/Kg		07/08/21 14:00	07/09/21 11:56	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/08/21 14:00	07/09/21 11:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				07/08/21 14:00	07/09/21 11:56	
1,4-Difluorobenzene (Surr)	104		70 - 130				07/08/21 14:00	07/09/21 11:56	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 07/00/04 44:04	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 07/08/21 14:24	Analyzed 07/09/21 17:27	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u>D</u>	<u>.</u>		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	07/08/21 14:24	07/09/21 17:27	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U U U	50.0	MDL	mg/Kg	<u>D</u>	07/08/21 14:24 07/08/21 14:24	07/09/21 17:27 07/09/21 17:27	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/08/21 14:24 07/08/21 14:24 07/08/21 14:24	07/09/21 17:27 07/09/21 17:27 07/09/21 17:27	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 07/08/21 14:24	07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 07/09/21 17:27	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 <i>Prepared</i>	07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 Prepared 07/08/21 14:24	07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 Analyzed 07/09/21 17:27	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130		mg/Kg mg/Kg mg/Kg	D_	07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 07/08/21 14:24 Prepared 07/08/21 14:24	07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 07/09/21 17:27 Analyzed 07/09/21 17:27	Dil Fac

Surrogate Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

SDG: 314029.09.06

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-908-1	FS14A	115	104	
LCS 880-4983/1-A	Lab Control Sample	111	95	
LCSD 880-4983/2-A	Lab Control Sample Dup	105	100	
MB 880-4955/5-A	Method Blank	115	100	
MB 880-4983/5-A	Method Blank	113	99	
Surrogate Legend				
BFB = 4-Bromofluorobei	nzene (Surr)			
DFBZ = 1.4-Difluoroben:	zene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
		1CO1	OTPH1					
Lab Sample ID	Client Sample ID	(70-130)	(70-130)					
890-908-1	FS14A	98	106					
LCS 880-4985/2-A	Lab Control Sample	92	89					
LCSD 880-4985/3-A	Lab Control Sample Dup	94	90					
MB 880-4985/1-A	Method Blank	104	114					

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H SDG: 314029.09.06

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4955/5-A

Matrix: Solid

Analysis Batch: 4962

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4955

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/21 10:35	07/08/21 15:58	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/08/21 10:35	07/08/21 15:58	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/21 10:33	07/08/21 15:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/08/21 10:3	07/08/21 15:58	1

Lab Sample ID: MB 880-4983/5-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 4962

Prep Type: Total/NA

Prep Batch: 4983

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/21 12:59	07/09/21 03:33	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/08/21 12:59	07/09/21 03:33	1

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113	70 - 130	07/08/21 12:59	07/09/21 03:33	1
1.4-Difluorobenzene (Surr)	99	70 - 130	07/08/21 12:59	07/09/21 03:33	1

Lab Sample ID: LCS 880-4983/1-A

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Matrix: Solid

Analysis Batch: 4962

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4983

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08444		mg/Kg		84	70 - 130	
Toluene	0.100	0.09760		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1049		mg/Kg		105	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H SDG: 314029.09.06

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-4983/2-A

Matrix: Solid Analysis Batch: 4962 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4983

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09024		mg/Kg		90	70 - 130	7	35
Toluene	0.100	0.09871		mg/Kg		99	70 - 130	1	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2098		mg/Kg		105	70 - 130	3	35
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4985/1-A

Matrix: Solid

Analysis Batch: 5001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4985

		MB	MR							
An	alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	soline Range Organics RO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/21 14:24	07/09/21 10:30	1
	ssel Range Organics (Over 0-C28)	<50.0	U	50.0		mg/Kg		07/08/21 14:24	07/09/21 10:30	1
OII	Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/21 14:24	07/09/21 10:30	1
Tot	al TPH	<50.0	U	50.0		mg/Kg		07/08/21 14:24	07/09/21 10:30	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/08/21 14:24	07/09/21 10:30	1
o-Terphenyl	114		70 - 130	07/08/21 14:24	07/09/21 10:30	1

Lab Sample ID: LCS 880-4985/2-A

Matrix: Solid

Analysis Batch: 5001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4985

	Бріке	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1031		mg/Kg		103	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1092		mg/Kg		109	70 - 130	
C10-C28)								

C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate

70 - 130 1-Chlorooctane 92 89 70 - 130 o-Terphenyl

Lab Sample ID: LCSD 880-4985/3-A

Matrix: Solid

Analysis Batch: 5001

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 4985

%Rec. RPD

LCSD LCSD Spike Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 1070 mg/Kg 107 70 - 130

(GRO)-C6-C10

Eurofins Xenco, Carlsbad

Page 8 of 18

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H

SDG: 314029.09.06

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-4985/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 5001** Prep Batch: 4985

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D 1000 1132 113 70 - 130 20 Diesel Range Organics (Over mg/Kg

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 94 o-Terphenyl 90 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4978/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4999

мв мв

Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 07/08/21 17:56 Chloride <5.00 U 5.00 mg/Kg

Lab Sample ID: LCS 880-4978/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4999

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 239.4 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-4978/3-A

Matrix: Solid

Analysis Batch: 4999

LCSD LCSD RPD Spike %Rec. Analyte Added Qualifier Result Unit %Rec Limits Limit Chloride 250 239.4 mg/Kg 96 90 - 110 20

Eurofins Xenco, Carlsbad

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Released to Imaging: 10/20/2021 9:38:24 AM

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-908-1 SDG: 314029.09.06

GC VOA

Prep Batch: 4955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-908-1	FS14A	Total/NA	Solid	5035	
MB 880-4955/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4962

Lab Sample ID 890-908-1	Client Sample ID FS14A	Prep Type Total/NA	Solid	Method 8021B	Prep Batch 4955
MB 880-4955/5-A	Method Blank	Total/NA	Solid	8021B	4955
MB 880-4983/5-A	Method Blank	Total/NA	Solid	8021B	4983
LCS 880-4983/1-A	Lab Control Sample	Total/NA	Solid	8021B	4983
LCSD 880-4983/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4983

Prep Batch: 4983

Lab Sample ID MB 880-4983/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
LCS 880-4983/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4983/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 4985

Lab Sample ID 890-908-1	Client Sample ID FS14A	Prep Type Total/NA	Matrix Solid	Method Prep Batch 8015NM Prep
MB 880-4985/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-4985/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep
LCSD 880-4985/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep

Analysis Batch: 5001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-908-1	FS14A	Total/NA	Solid	8015B NM	4985
MB 880-4985/1-A	Method Blank	Total/NA	Solid	8015B NM	4985
LCS 880-4985/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4985
LCSD 880-4985/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4985

HPLC/IC

Leach Batch: 4978

Lab Sample ID 890-908-1	Client Sample ID FS14A	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-4978/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4978/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4978/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-908-1	FS14A	Soluble	Solid	300.0	4978
MB 880-4978/1-A	Method Blank	Soluble	Solid	300.0	4978
LCS 880-4978/2-A	Lab Control Sample	Soluble	Solid	300.0	4978
LCSD 880-4978/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4978

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H SDG: 314029.09.06

Client Sample ID: FS14A Lab Sample ID: 890-908-1 Date Collected: 07/07/21 12:41

Matrix: Solid

Date Received: 07/07/21 14:58

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4955	07/08/21 14:00	KL	XEN MID
Total/NA	Analysis	8021B		1	4962	07/09/21 11:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			4985	07/08/21 14:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1	5001	07/09/21 17:27	AJ	XEN MID
Soluble	Leach	DI Leach			4978	07/08/21 12:34	СН	XEN MID
Soluble	Analysis	300.0		1	4999	07/08/21 19:58	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Released to Imaging: 10/20/2021 9:38:24 AM

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-908-1 Project/Site: Canvasback 13 Fed 3H

SDG: 314029.09.06

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-908-1

SDG: 314029.09.06

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

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Sample Summary

Client: WSP USA Inc.

Project/Site: Canvasback 13 Fed 3H

Job ID: 890-908-1 SDG: 314029.09.06

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Depth

 890-908-1
 FS14A
 Solid
 07/07/21 12:41
 07/07/21 14:58
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Kaloi loppings	ORATORIES

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Company Name: MSP USA Inc. Company Name:
City, State ZIP: Email: kalei.jennings@ Turn Around Routine Rush: Due Date: Due Date: Due Date: Don Factor: Dontainers: Dontainers: Dontainers: Time Depth Sampled Depth 1241 2' 1 1241 2' 1 1260 CCLP / SPLP 6010: 8RCR/ ss a valid purchase order from ciller charge of \$5 for each sample subm charge of \$5 for each sample subm charge of \$5 for each sample subm clients: CSignature)
idress: 3300 North A Street Idress: 3300 North A Street Idress: 3300 North A Street Idress: 3300 North A Street Idress: 3300 North A Street Idress: 34029096 Oject Number: 432.236.3849 Oject Number: Luis Del Val Impler's Name: Luis Del Val Impler Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes No N/A County Imple Custody Seals: Yes N/A County Imple Custody Seals: Y

Work Order No:

Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199

Eurofins Xenco, Carlsbad

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Chain of Custody Record

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Environment Testing America

Note Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. State, Zip: TX, 79701 Sample Identification - Client ID (Lab ID) Canvasback 13 Fed 3H Midland mpty Kit Relinquished by Deliverable Requested I II III IV Other (specify) Possible Hazard Identification FS14A (890-908-1) 1211 W Florida Ave Client Information (Sub Contract Lab) telinquished by: 432-704-5440(Tel) elinquished by elinquished by oject Name: urofins Xenco Custody Seals Intact:
∆ Yes ∆ No nconfirmed iipping/Receiving 8 Custody Seal No Phone Primary Deliverable Rank Due Date Requested 7/13/2021 88000207 **№** FAT Requested (days) ate/Time Sample Date 7/7/21 Mountair Sample 12 41 (C=comp, Sample Preservation Code: Type Company Company Company Matrix Solid jessica kramer@eurofinset com Kramer Jessica Field Filtered Sample (Yes or No) Ime NELAP - Texas Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Perform MS/MSD (Yes or No) Special Instructions/QC Requirements editations Required (See note) Cooler Temperature(s) °C and Other Remarks Received by × 300_ORGFM_28D/DI_LEACH Chloride 8015MOD_NM/8015NM_S_Prep Full TPH × 8021B/5035FP_Calc BTEX - LL × Analysis Requested State of Origin: New Mexico Carrier Tracking No(s) nethod of Shipment Date/Time Total Number of containers COC No: 890-291 1 Page: Preservation Codes 390-908-1 Page 1 of 1 NaOH

Zn Acetate

Nifric Acid

NaHSO4

NaHSO4

NaHSO4

Ascorbic Acid

loe

J Di Water

K EDTA

L EDA Special Instructions/Note M Hexane
N None
O AsNaO2
P-Na2O4S
Q Na2SO3
R Na2SO3
S H2SO4
T TSP Dodecahydrate
U Acetone
V MCAA
W pH 4-5
Z other (specify) Company Ver 11/01/2020 Months

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-908-1

SDG Number: 314029.09.06

List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Login Number: 908

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-908-1 SDG Number: 314029.09.06

Login Number: 908
List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 07/08/21 11:28 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

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7/13/2021

<6mm (1/4").

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2115932981
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party	COG Operati	ng, LLC	OGRID	229137		
Contact Nan	ne	Jacqui Ha	arris	Contact Telephone	(575) 496-0780		
Contact ema	uil	Jacqui.Harris	s@conocophillips.com	Incident # (assigned by OCL))		
Contact mai	ling address	600 West II	linois Avenue, Midla	nd, Texas 79701			
			Location of R	elease Source			
Latitude	32.224	15		Longitude -103.7	72774		
			(NAD 83 in decimal de	grees to 5 decimal places)			
Site Name		Canvasback	: 13 Federal 003H	Site Type Tan	k Battery		
Date Release Discovered May 22, 2021				API# (if applicable) 30-015-41529			
		<u> </u>					
Unit Letter	Section	Township	Range	County			
В	13	24S	31E	Eddy			
Surface Owne	er: State	■ Federal □ Tr	ribal Private (Name:				
Surface Owne	i state	i cuciai i ii	ibai 🔲 i iivate (ivame.				
			Nature and Vol	ume of Release			
Crude Oi		Volume Release		ions or specific justification for the Volume Rec	overed (bbls) 0		
Produced	l Water	Volume Release	ed (bbls) 5	Volume Rec	overed (bbls) 0		
			tion of dissolved chloride		` ′ 0		
		produced water					
Condens	ate	Volume Release		Volume Rec	overed (bbls)		

Cause of Release

Natural Gas

Other (describe)

The release was caused by a release on the hammer union between tubing due to internal corrosion. The release was on the pad. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Volume Recovered (Mcf)

Volume/Weight Recovered (provide units)

Volume Released (Mcf)

Volume/Weight Released (provide units)

Received by OCD: 7/29/2021/12:25:03 PM State of New Mexico Page 2 Oil Conservation Division

Page 1	1860	f 193
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Incident ID	NAPP2115932981
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the resp	onsible party consider this a major release?
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To v	whom? When and by what means (phone, email, etc)?
	Initial I	Response
The responsible	party must undertake the following actions immedia.	tely unless they could create a safety hazard that would result in injury
■ The source of the rele	ease has been stopped.	
■ The impacted area ha	s been secured to protect human health an	d the environment.
Released materials ha	ave been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed a d above have <u>not</u> been undertaken, explain	
has begun, please attach within a lined containmen	a narrative of actions to date. If remediant area (see 19.15.29.11(A)(5)(a) NMAC).	remediation immediately after discovery of a release. If remediation l efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investig addition, OCD acceptance of and/or regulations.	required to report and/or file certain release no ment. The acceptance of a C-141 report by the rate and remediate contamination that pose a the f a C-141 report does not relieve the operator of	e best of my knowledge and understand that pursuant to OCD rules and stifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
Printed Name Brittar	ny N. Esparza	Title: HSE Administrative Assistant
Signature:	ny N. Esparza	_{Date:} 6/8/2021
email: besparza@)concho.com	
OCD Only		
Received by: Ramona	Marcus	Date: <u>6/8/2021</u>

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Page 3 of	eceived						29			Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	5:0										
	32981									Total Estimated Volume of Spilled Oil (bbl.)											
	NAPP2115932981									Percentage of Oil if Spilled Fluid is a Mixture											
										Total Estimated Volume of Spill (bbl.)	2.668	1,113	1.392	686 0	i0//\l Q #	i0//\l Q #	i0//\lq#	i0//\I Q #	i0//\I Q #	i0//\I Q #	6.163
		e Form						Pool Spill		Penetration allowance (ft.)	0.000	0.001	0.001	0.000	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	Total Volume Release:
		L48 Spill Volume Estimate Form						culation - On Pad Surface Pool Spill		Estimated Estimated volume Average Depth of each pool area (ft.) (bbl.)	2.668	1.113	1.391	0.989	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i	
		L48 Spill Vo						Spill Calculation		Estimated Average Depth (ft.)	0.007	0.010	0.021	0.007	i0//\l G #	i0//\l G #	i0//\lg#	i0//\ I Q#	i0//\l G #	i0//\ I Q#	
			eral 003H					Š		Estimated Pool Area (sq. ft.)	2158.000	000'009	375.000	000'008	000'0	000'0	0.000	000'0	000'0	000'0	
			Facility Name & Number: Canvasback 13 Federal 003H	DBWN	5.22.21 08:28	Release Type: Produced Water				Deepest point in No. of boundaries of each of the areas "shore" in each area (in.)	ဇ	2	1	3							
39 AM			Name & Number:	Asset Area: DBWN	Release Discovery Date & Time: 5.22.21 08:28	Release Type:	Provide any known details about the event:			Deepest point in each of the areas (in.)	0.25	0.25	0.25	0.25							
1 9:12			Facility		se Disco		wn detail			Width (ft.)	26.0	12.0	15.0	16.0							
/8/202					Relea		any kno			Length Width (ft.)	83.0	0.03	25.0	0.03							
eceived by OCD: 6							Provide			Convert Irregular shape into a series of rectangles	Rectangle A	Rectangle B	Rectangle C	Rectangle D	Rectangle E	Rectangle F	Rectangle G	Rectangle H	Rectangle I	Rectangle J	
Leceived by OCD: 6/8/20.	eleasea	l to	In	na	gii	ng.	Provide any ki	0/	/2	Convert Irregular shape into a series of rectangles		Rectangle B	Rectangle C	Rectangle D	Rectangle E	Rectangle F	Rectangle G	Rectangle H	Rectangle I	Rectangle J	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 30952

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	30952
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	6/8/2021

ate of New Mexico

Incident ID NAPP2115932981

Incident ID	NAPP2115932981
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100_ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information □ Topographic/Aerial maps 	ls.
☐ Laboratory data including chain of custody	

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Incident ID	NAPP2115932981
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ocd does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name: <u>Jacqui Harris</u>	Title: Environmental Coordinator
Signature: Jacque Thomas	Date:07/28/2021
email:	Telephone:(575)-496-0780
OCD Only	
Received by:	Date:

Received by OCD: 7/29/2021 12:25:03 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

Incident ID NAPP2115932981
District RP
Facility ID
Application ID

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following ite	ems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11	NMAC
Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC)	District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
	ertain release notifications and perform corrective actions for releases are of a C-141 report by the OCD does not relieve the operator of a and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of aws and/or regulations. The responsible party acknowledges they must area to the conditions that existed prior to the release or their final land the OCD when reclamation and re-vegetation are complete. Title:
OCD O-1-	
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party o remediate contamination that poses a threat to groundwater, surface w party of compliance with any other federal, state, or local laws and/or	of liability should their operations have failed to adequately investigate and
party of compliance with any other redefin, state, or rocal laws and/or	
Closure Approved by:	r regulations.

ew Mexico

Incident ID	NAPP2115932981
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u> </u>	
Closure Report Attachment Checklist: Each of the following it	tems must be included in the closure report.
	1 NMAC
□ Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
rules and regulations all operators are required to report and/or file of which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local I substantially restore, reclaim, and re-vegetate the impacted surface use in accordance with 19.15.29.13 NMAC including notification to	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of laws and/or regulations. The responsible party acknowledges they must area to the conditions that existed prior to the release or their final land to the OCD when reclamation and re-vegetation are complete. Title:
OCD Only	
Received by: Robert Hamlet	Date:10/20/2021
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: <u>Robert Hamlet</u>	Date:10/20/2021
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 38767

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	38767
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2115932981 CANVASBACK 13 FEDERAL 003H, thank you. This closure is approved.	10/20/2021