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	NAPP2101333095
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

	Responsible Party XTO Energy			OGRID	5380				
Contact Name Kyle Littrell		Contact T	Telephone 432-221-7331						
Contact email Kyle Littrell@xtoenergy.com		Incident #	(assigned by OCD)						
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220		3220							
Location of Release Source									
				Longitude	-103.93631				
			(NAD 83 in dec	cimal degrees to 5 deci					
Site Name F	Ross Draw 2	5 N		Site Type	Battery				
Date Release	Discovered	1-7-21		API# (if ap)	plicable)				
Unit Letter	Section	Township	Range	Cour	ntv				
B	25	26S	29E	Edd					
Surface Owner	r: State	ĭ Federal ☐ Tr	ribal 🔲 Private (/	Vame:)				
									
	Nature and Volume of Release								
Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)			Mature and	i volume of	Release				
_			I that apply and attach		c justification for the volumes provided below)				
Crude Oil		Volume Release	I that apply and attach		c justification for the volumes provided below) Volume Recovered (bbls)				
Crude Oil			I that apply and attached (bbls)		c justification for the volumes provided below)				
		Volume Release Volume Release Is the concentrat	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissol	calculations or specific	c justification for the volumes provided below) Volume Recovered (bbls)				
	Water	Volume Release Volume Release Is the concentrat	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg	calculations or specific	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls)				
➤ Produced	Water	Volume Release Volume Release Is the concentration the produced volume Release	I that apply and attach d (bbls) d (bbls) 18.8 cion of total dissolwater >10,000 mg d (bbls)	calculations or specific	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No				
➤ Produced ☐ Condensa	Water	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release	I that apply and attach d (bbls) d (bbls) 18.8 cion of total dissolwater >10,000 mg d (bbls)	calculations or specific ved solids (TDS) /l?	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls)				
☐ Condensa☐ Natural G☐ Other (de:	Water te as scribe)	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release Volume/Weight	I that apply and attach id (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg d (bbls) d (Mcf) Released (provide	calculations or specific ved solids (TDS) /l?	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (Mcf) Volume/Weight Recovered (provide units)				
☐ Condensa☐ Natural G☐ Other (de:	Water te as scribe)	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release Volume/Weight	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg d (bbls) d (Mcf) Released (provident)	ved solids (TDS) /l? e units) from a hole in a 4	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (Mcf) Volume/Weight Recovered (provide units)	party			
☐ Condensa☐ Natural G☐ Other (de:	Water te as scribe)	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release Volume/Weight	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg d (bbls) d (Mcf) Released (provident)	ved solids (TDS) /l? e units) from a hole in a 4	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls)	party			
□ Condensa □ Natural G □ Other (des	Water te as scribe)	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release Volume/Weight	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg d (bbls) d (Mcf) Released (provident)	ved solids (TDS) /l? e units) from a hole in a 4	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (Mcf) Volume/Weight Recovered (provide units)	party			
➤ Produced	Water te as scribe)	Volume Release Volume Release Is the concentration the produced Volume Release Volume Release Volume/Weight ved and found a P	I that apply and attach d (bbls) d (bbls) 18.8 ion of total dissolwater >10,000 mg d (bbls) d (Mcf) Released (provident)	ved solids (TDS) /l? e units) from a hole in a 4	Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (Mcf) Volume/Weight Recovered (provide units)	party			

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NAPP2101333095
District RP	
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Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?
19.15.29.7(A) NMAC?	N/A	
Yes 🛛 No		
L res M No		
If YES, was immediate no	otice given to the OCD? By whom? To who	om? When and by what means (phone, email, etc)?
N/A		
	Initial Re	sponse
The responsible j	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The servers of the role	and has been stowned	
The source of the rele	ease has been stopped. Is been secured to protect human health and t	the environment
1 = .	•	ikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	
	d above have not been undertaken, explain w	
NA	1 above have <u>not</u> been undertaken, explain w	my _į
		mediation immediately after discovery of a release. If remediation
		fforts have been successfully completed or if the release occurred ease attach all information needed for closure evaluation.
		est of my knowledge and understand that pursuant to OCD rules and
regulations all operators are	required to report and/or file certain release notifi	cations and perform corrective actions for releases which may endanger
failed to adequately investigated	ate and remediate contamination that pose a threa	CD does not relieve the operator of liability should their operations have to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of re	esponsibility for compliance with any other federal, state, or local laws
V-1-1-14-	ell	Environmental Manager
Printed Name: Kyle Little		Title:
Signature	Jellell	Date:
email: Kyle Littrell@xto	energy.com	Telephone: 432-221-7331
OCD Only		
Ramo	ona Marcus	- 5/3/2021
Received by:		Date: 5/3/2021

Location:	Ross Draw 25 North Battery		
Spill Date:	1/7/2021		
	Area 1		
Approximate A	rea =	874.00	sq. ft.
Average Satura	tion (or depth) of spill =	2.00	inches
Average Porosi	ty Factor =	0.15	
	VOLUME OF LEAK		
Total Produced	Water =	3.89	bbls
	Area 2		
Approximate A	rea =	4284.00	sq. ft.
Average Satura	tion (or depth) of spill =	1.00	inches
Average Porosi	ty Factor =	0.03	
	VOLUME OF LEAK		
Total Produced	Water =	14.91	bbls
	TOTAL VOLUME OF LEAK		
Total Produced	Water =	18.80	bbls
	TOTAL VOLUME RECOVERED		_
Total Produced	Water =	13.00	bbls

<u>District I</u> 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 23625

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road	5380	23625	C-141
Building #5 Midland, TX79707			

OCD Reviewer	Condition
rmarcus	None

Received by OCD: 6/7/2021 3:23:51 PM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

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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?	50-100 (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?	X 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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 wells.
🔀 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
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.

Received by OCD: 6/7/2021 3:23:51 PM Form C-141 State of New Mexico
Page 4 Oil Conservation Division

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Incident ID	nAPP2101333095	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Kyle Littrell _____ Title: _____ Environmental Manager

Signature: _____ Date: _____ Date: _____ (432)-221-7331______

email: ____ Kyle.Littrell@exxonmobil.com _____ Telephone: _____ (432)-221-7331______

DCD Only

Received by: _____ Date: ______ Date: _______

	Page 7 of 1	64
Incident ID	nAPP2101333095	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.	
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 		
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
☐ Contamination does not cause an imminent risk to human health	, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:Kyle Littrell	Title: Environmental Manager	
Signature:	Date:06/03/2021	
email: Kyle.Littrell@exxonmobil.com	Telephone:(432)-221-7331	
OCD Only		
Received by: Chad Hensley	Date: 07/09/2021	
☐ Approved ☐ Approved with Attached Conditions of A	Approval Denied Deferral Approved	
Signature: Chind Hendy	Date: 07/09/2021	

wsp

WSP USA

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

June 2, 2021

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

RE: Deferral Request
Ross Draw 25 N Battery
Incident Number nAPP2101333095
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of XTO Energy, Inc. (XTO), presents the following Deferral Request detailing site assessment, excavation, and soil sampling activities at the Ross Draw 25 N Battery (Site) in Unit B, Section 25, Township 26 South, Range 29 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 produced water at the Site. Based on the excavation activities and soil sample laboratory analytical results, XTO is submitting this Deferral Request, describing remediation that has occurred and requesting deferral of final remediation for Incident Number nAPP2101333095 until the Site is reconstructed, and/or the well pad is abandoned.

RELEASE BACKGROUND

On January 7, 2021, a hole developed in a 4-inch Victaulic tee on the main trunk line, resulting in the release of approximately 18.8 barrels (bbls) of produced water onto the surface of the well pad, beneath and around active production equipment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 13 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on January 13, 2021. The release was assigned Incident Number nAPP2101333095.

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 between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320154103562301, located approximately 0.9 miles north of the Site. The groundwater well was



most recently measured in January 1998 with a reported depth to groundwater of 66 feet bgs and a total depth of 200 feet bgs. Ground surface elevation at the groundwater well location is 2,974 feet above mean sea level (amsl), which is approximately 7 feet higher in elevation than the Site. There are three additional groundwater wells within a 2-mile radius of the Site that indicate regional depth to groundwater is between 50 feet and 100 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 640 feet south 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 underlain by unstable geology (high 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): 100 mg/kg

Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On January 29, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release occurred in an area of active production equipment. WSP personnel collected five preliminary assessment soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. Soil 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.

The preliminary soil samples 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 SS05 indicated that benzene, BTEX, and TPH concentrations were compliant with the Closure Criteria, however; chloride concentrations exceeded the Closure Criteria in all five 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.

EXCAVATION AND DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

Between March 16, 2021 and April 7, 2021, WSP personnel were at the Site to oversee excavation and delineation activities as indicated by visible staining in the release area, field screening activities, and laboratory analytical results for the preliminary soil samples.

Excavation Activities

Excavation activities were performed to remove the surficial staining observed adjacent to active production equipment in the release footprint and excavate the impacted soil in areas that were accessible with equipment around preliminary soil samples SS01, SS02, and SS05. Excavation activities were performed using a track-mounted backhoe, transport vehicle, and hydrovac. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. XTO safety policy restricts soil disturbing activities to a 2-foot radius of any on-site production equipment and pipelines. This XTO safety policy is established to protect workers and reduce the likelihood of compromising the foundation of the production equipment. This policy was enforced where impacted soil was identified within 2 feet of active production equipment near preliminary soil samples SS03 and SS04. Photographic documentation is included in Attachment 2.

Following removal of impacted soil to the extent possible, WSP collected 5-point composite soil samples at 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 soil samples SW01 through SW09 were collected from the sidewalls of the excavations from depths ranging from the ground surface to 2 feet bgs. Composite soil samples FS01 through FS25 were collected from the floor of the excavations from a depth of 2 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above.

Laboratory analytical results for excavation sidewall samples SW01 through SW07, and SW09 and floor samples FS01 through FS22, and FS25 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for



sidewall sample SW08 and floor samples FS23 and FS24 exceeded the Closure Criteria for chloride. Additional soil was removed from the area around floor samples FS23 and FS24 and sidewall sample SW08. Subsequent floor samples FS23A and FS24A and subsequent sidewall sample SW10 were compliant with the Closure Criteria. The final excavation extents and excavation soil sample locations are presented on Figure 3.

The combined excavations measured approximately 4,237 square feet in area and were completed to a maximum depth of approximately 3 feet bgs. A total of approximately 321 cubic yards of impacted soil were removed from the excavations. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

Delineation Activities

WSP personnel were at the Site on April 7, 2021 to oversee delineation activities to define the lateral and vertical extent of impacted soil left in place within 2 feet of active production equipment.

Three potholes and one borehole were advanced within and around the release extent to delineate the lateral and vertical extent of impacted soil left in place. Potholes PH01 through PH03 were advanced around the release extent via backhoe to depths ranging from 2 feet to 3 feet bgs. Borehole BH01 was advanced via hand auger to a depth of 3 feet bgs within the release extent at the location of preliminary soil sample SS03. Delineation soil samples were collected from the potholes and borehole from depths ranging from 1 foot to 3 feet bgs. Soil from the potholes and borehole was field screened for volatile aromatic hydrocarbons and chloride utilizing PID and Hach® chloride QuanTab® test strips, respectively. The delineation soil samples were collected, handled, and analyzed as described above. Field screening results and observations for the potholes and borehole were logged on lithologic/soil sampling logs, which are included in Attachment 3. The delineation soil sample locations are depicted on Figure 4.

Laboratory analytical results for delineation soil sample BH01, collected at 1-foot bgs, indicated that chloride concentrations exceeded the Closure Criteria, subsequent borehole sample BH01A collected at 3 feet bgs was compliant. Laboratory analytical results for delineation samples PH01/PH01A through PH03/PH03A, collected from depths ranging from 1-foot to 3 feet bgs, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the delineation soil sample analytical results, the lateral and vertical extent of the impacted soil left in-place was successfully defined.

DEFERRAL REQUEST

A total of approximately 321 cubic yards of impacted soil were excavated from the Site; however, residual impacted soil was left in place immediately adjacent to and beneath active production equipment. XTO safety policy restricts earth moving activities within 2 feet of active production



equipment. This XTO safety policy is established to protect workers and reduce the likelihood of compromising the foundation of the production equipment. This policy was enforced where chloride impacted soil was identified within 2 feet of active production equipment in preliminary samples SS03 and SS04 collected at 0.5 feet bgs and delineation sample BH01 collected at 1-foot bgs.

The impacted soil remaining in place is delineated vertically and laterally by excavation soil samples SW05 and SW10, collected from the sidewalls of the final excavation extents, and delineation soil samples BH01A and PH01/PH01A through PH03/PH03A. An estimated 140 cubic yards of impacted soil remains in place, assuming a maximum 3-feet depth based on the excavation and delineation soil samples listed above that were compliant with the Closure Criteria. The deferral area and delineation sample locations are identified on Figure 5.

XTO requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first. WSP and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The majority of the released fluids were recovered during initial response activities and the impacted soil remaining in place is limited to the area immediately adjacent to and beneath the active production equipment. XTO requests deferral of final remediation for Incident Number nAPP2101333095.

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

Sincerely,

WSP USA Inc.

Elizabeth Naka

Assistant Consultant, Environmental Scientist

Ashley L. Ager, P.G.

Ashley L. Ager

Managing Director, Geologist

cc: Kyle Littrell, XTO

Elizabeth Naha

Bureau of Land Management

Attachments:

Figure 1 Site Location Map

Figure 2 Preliminary Soil Sample Locations



Figure 3 Excavation Soil Sample Locations
Figure 4 Delineation Soil Sample Locations

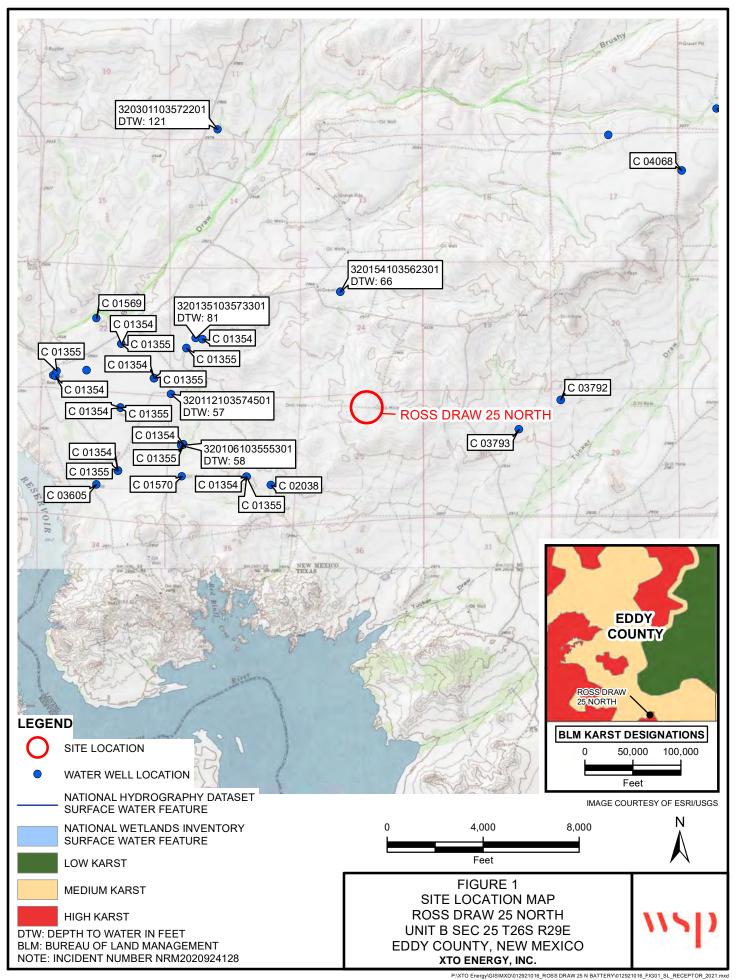
Figure 5 Deferral Area

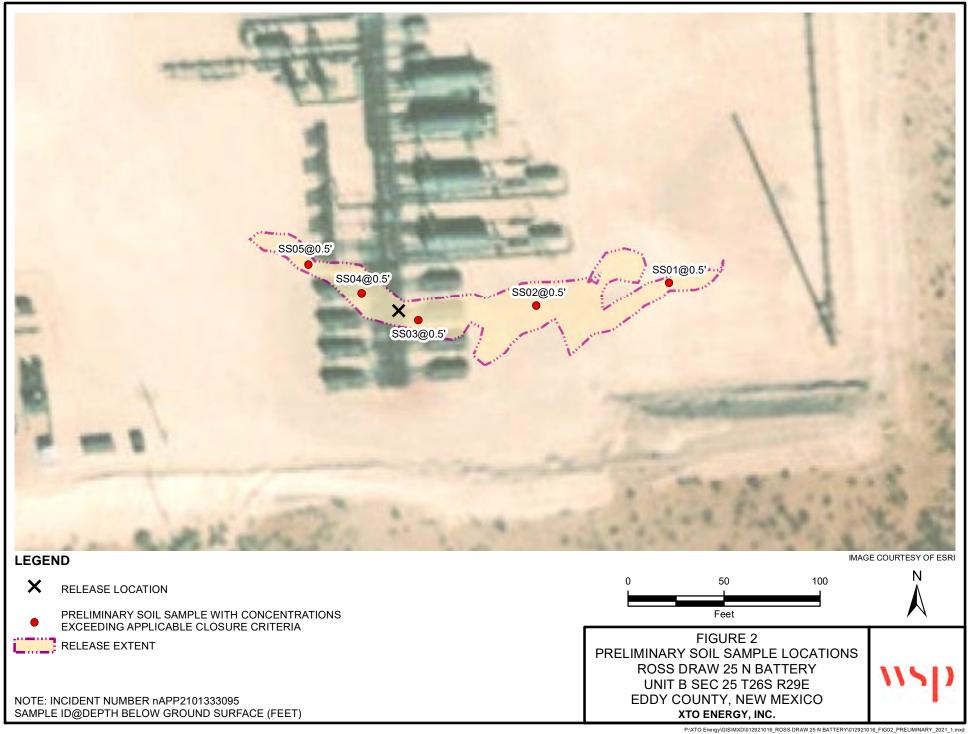
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records

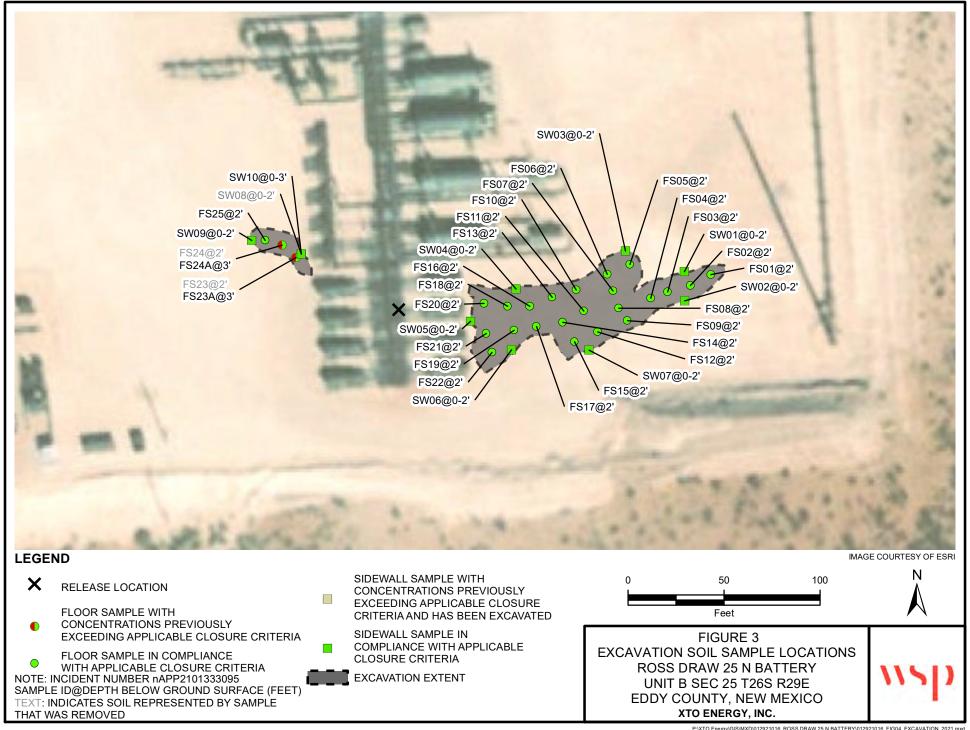
Attachment 2 Photographic Log

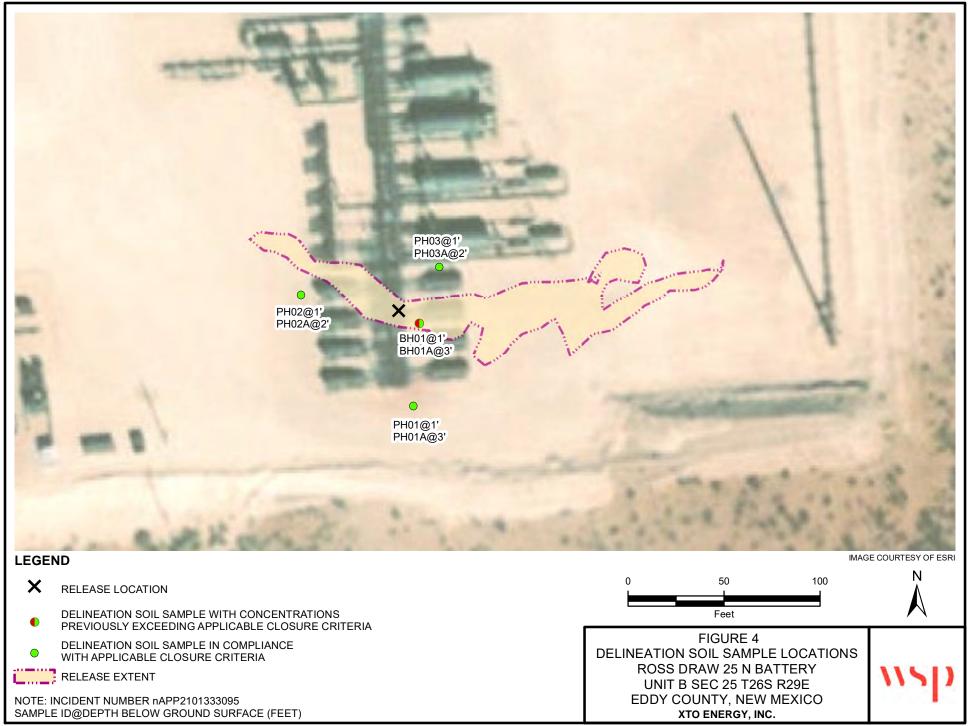
Attachment 3 Lithologic/Sampling Log

Attachment 4 Laboratory Analytical Reports









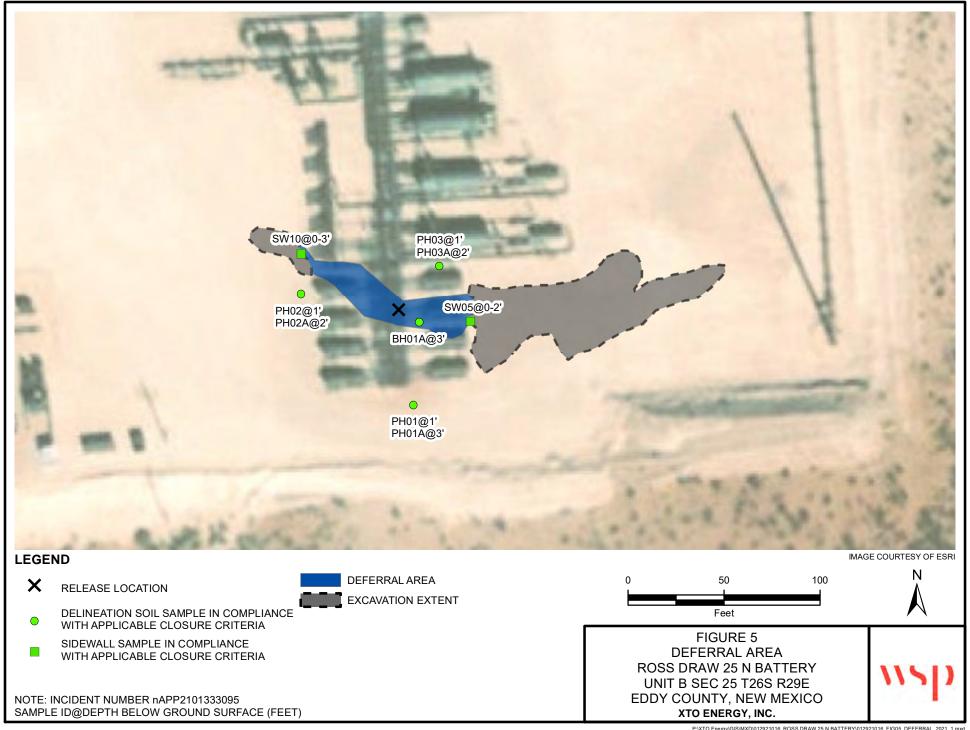


Table 1

Soil Analytical Results
Ross Draw 25 N Battery
Incident Number nAPP2101333095

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 Cl	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Surface Samples										
SS01	01/29/2021	0.5	< 0.00199	< 0.00199	<50.0	71.3	<50.0	71.3	71.3	5,210
SS02	01/29/2021	0.5	< 0.00202	< 0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	6,060
SS03	01/29/2021	0.5	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	5,640
SS04	01/29/2021	0.5	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	10,000
SS05	01/29/2021	0.5	< 0.00202	< 0.00202	<50.0	< 50.0	<50.0	<50.0	<50.0	10,500
Excavation Floor Sa	mples									
FS01	03/17/2021	2	< 0.00199	< 0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	10.7
FS02	03/17/2021	2	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	19.4
FS03	03/17/2021	2	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	51.3
FS04	03/17/2021	2	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	133
FS05	03/17/2021	2	< 0.00200	< 0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	42.5
FS06	03/17/2021	2	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	243
FS07	03/17/2021	2	< 0.00200	< 0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	151
FS08	03/17/2021	2	< 0.00199	< 0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	216
FS09	03/17/2021	2	< 0.00199	< 0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	211
FS10	03/18/2021	2	< 0.00199	< 0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	85.0
FS11	03/18/2021	2	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	170
FS12	03/18/2021	2	< 0.00198	< 0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	220
FS13	03/18/2021	2	< 0.00202	< 0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	299
FS14	03/18/2021	2	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	170
FS15	03/18/2021	2	<0.00199	< 0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	251

Table 1

Soil Analytical Results
Ross Draw 25 N Battery
Incident Number nAPP2101333095
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	NE	100	600
FS16	03/18/2021	2	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	23.6
FS17	03/18/2021	2	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	410
FS18	03/18/2021	2	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	218
FS19	03/18/2021	2	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	209
FS20	03/18/2021	2	< 0.00200	< 0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	203
FS21	03/17/2021	2	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	102
FS22	03/17/2021	2	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	107
FS23	03/22/2021	2	< 0.00200	< 0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	1,820
FS23A	04/07/2021	3	< 0.00202	< 0.00202	<50.1	<50.1	<50.1	<50.1	< 50.1	125
FS24	03/22/2021	2	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	2,250
FS24A	04/07/2021	3	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	92.6	34.6
FS25	03/22/2021	2	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	109
Excavation Sidewal	l Samples									
SW01	03/17/2021	0 - 2	< 0.00198	< 0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	35.5
SW02	03/17/2021	0 - 2	< 0.00201	< 0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	30.9
SW03	03/17/2021	0 - 2	< 0.00200	< 0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	81.8
SW04	03/18/2021	0 - 2	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	69.0
SW05	03/18/2021	0 - 2	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	243
SW06	03/18/2021	0 - 2	< 0.00201	< 0.00201	<49.7	<49.7	<49.7	<49.7	<49.7	190
SW07	03/18/2021	0 - 2	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	96.1
SW08	03/22/2021	0 - 2	< 0.00202	< 0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	678

Table 1

Soil Analytical Results Ross Draw 25 N Battery Incident Number nAPP2101333095 **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 Clo	sure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SW09	03/22/2021	0 - 2	< 0.00201	< 0.00201	<50.0	<50.0	<50.0	<50.0	< 50.0	368
SW10	04/07/2021	0-3	< 0.00200	< 0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	59.3
Delineation Samples										
BH01	03/18/2021	1	< 0.00199	< 0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	1,240
BH01A	03/18/2021	3	< 0.00201	< 0.00201	< 50.0	< 50.0	<50.0	< 50.0	< 50.0	266
PH01	04/07/2021	1	< 0.00201	< 0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	220
PH01A	04/07/2021	3	< 0.00202	< 0.00202	<50.0	< 50.0	<50.0	< 50.0	< 50.0	104
PH02	04/07/2021	1	< 0.00200	< 0.00200	<50.1	<50.1	<50.1	< 50.1	< 50.1	242
PH02A	04/07/2021	2	< 0.00198	< 0.00198	54.5	54.5	54.5	< 50.0	54.5	136
PH03	04/07/2021	1	< 0.00198	< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	142
PH03A	04/07/2021	2	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	120

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

impacted soil was removed



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Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

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site_no list =

320154103562301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

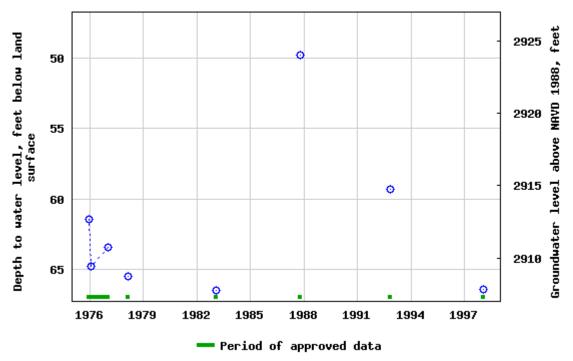
USGS 320154103562301 26S.29E.22.23341

Available data for this site	Groundwater:	Field measurements	~	GO	
Eddy County, New Mexico					
Hydrologic Unit Code 1307	0001				
Latitude 32°01'54", Longit	tude 103°5	6'23" NAD27			
Land-surface elevation 2,9	74 feet abo	ve NAVD88			
The depth of the well is 20	0 feet belov	w land surface.			
This well is completed in th	ne Other aq	uifers (N9999OT	HER)	national aquif	er.
This well is completed in th	ne Rustler F	ormation (312Rs	SLR) I	local aquifer.	

Output formats

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

USGS 320154103562301 265,29E,22,23341



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

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0.73 0.58 nadww01





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site_no list =

• 320106103555301

Minimum number of levels = 1

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USGS 320106103555301 26S.29E.26.13143

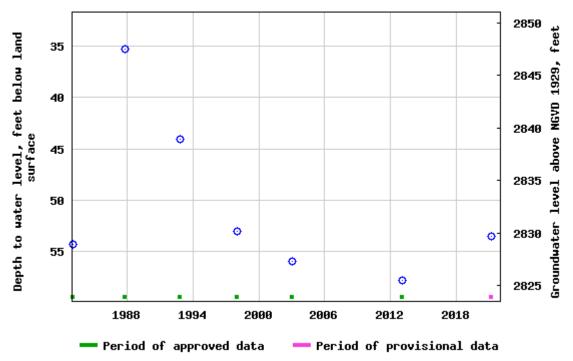
Available data for this site	Groundwater:	Field measurements	~	GO	
Eddy County, New Mexico					
Hydrologic Unit Code 1307	0001				
Latitude 32°00'51.3", Lon	gitude 103°	257'42.0" NAD83			
Land-surface elevation 2,8	83.00 feet	above NGVD29			
The depth of the well is 14	0 feet belov	w land surface.			
This well is completed in th	ne Other aq	uifers (N9999OTh	HER)	national	aquifer.
-			ו ה א ב		

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

Output formats

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

USGS 320106103555301 26S.29E.26.13143



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

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Page Last Modified: 2021-04-08 14:12:52 EDT

0.74 0.67 nadww01





PHOTOGRAPHIC LOG						
XTO Energy Inc.	Ross Draw 25 N Battery	nAPP2101333095				
	Eddy County, New Mexico					

Photo No. Date
1 January 29, 2021

View of release area on western side of equipment facing east.



Photo No. Date
2 January 29, 2021
View of release area on eastern

View of release area on eastern side of equipment facing west.





PHOTOGRAPHIC LOG						
XTO Energy Inc.	Ross Draw 25 N	nAPP2101333095				
	Eddy County, New Mexico					

Photo No. Date
3 April 7, 2021

View of final western excavation extent facing south



 Photo No.
 Date

 4
 March 18, 2021

View of final eastern excavation facing west.





PHOTOGRAPHIC LOG						
XTO Energy Inc.	Ross Draw 25 N	nAPP2101333095				
	Eddy County, New Mexico					

Photo No. Date
5 March 22, 2021

View of western excavation facing east.



Photo No. Date
6 April 7, 2021

View of location of PH03, north of release area facing west.





PHOTOGRAPHIC LOG								
XTO Energy Inc.	Ross Draw 25 N	nAPP2101333095						
	Eddy County, New Mexico							

Photo No. Date April 7, 2021 View of location of PH01, south of

production equipment facing north.



Photo No. Date April 7, 2021 8 View of location of PH02, west of



Solution Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening:									BH or PH Name: BH01 Site Name: RP or Incident Number: WSP Job Number: Logged By J. Hill Hole Diameter:		Date: 3/18/2021 Ross Draw NAPP2101333 TE0129210 Method: Total Depth:	
32.018099, -103.936228 Hatch Chloride strips, PID Comments:								3"		3'		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks				
М	1,340 808 352	1 0.3 2	z z z	BH01A	3 -		SWSM	Well g	graded, (fine-med) sa or, no plasticity, no o graded, (fine-med) sa or, no plasticity, no o	and w/ sorganics	s. Tan/Orang silt and grave s. Tan/Orang silt and grave	ge el. ge

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								Date:				
LITHOLOGIC / SOIL SAMPLING LOG									WSP Job Number: Sampler: Elizabeth I	TE012921	Method: Backhoe	
LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening:									Hole Diameter:	INANA	Total Depth:	
Chloride, PID										3'		
Comments:												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Lithology/Remarks			
	313	0.0		PH01	1'	0 1 1 2			iche, tan, no odor s Above (SAA)	, dry		
	<160	0.0		PH01A	3'				s Above (SAA)			
					- - - - - -	10 10 11 11 11 12 12						

	\\'	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220							BH or PH Name: PH02 Site Name: RP or Incident Number WSP Job Number: Sampler: Elizabeth	er: TE012921	T
Lat/Lo	ina.	LIIT	OLUG	SIC / SOIL	Field Scre		G		Hole Diameter:	INAKA	Method: Backhoe Total Depth:
Laveo	ng.				Chloride, I				Flore Diameter.		2'
Comm	nents:										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		Li	ithology/F	Remarks
OC NOT	268 <160	0.0	1S	PH02	(ft bgs)	0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8	SSN SSN		liche, tan, no odor s Above (SAA) opth; 2'	·, dry	
						9 10 11					
					-	12					

	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG								BH or PH Name: PH03 Site Name: RP or Incident Numb WSP Job Number: Sampler: Elizabeth	er: TE012921	Date: 4/7/2021 w 25 North Battery nAPP2101333095 016 Method: Backhoe
Lat/Lo	ng:				Field Scre				Hole Diameter:		Total Depth:
					Chloride, I	PID					2'
Comm	ients:										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol		L	ithology/F	Remarks
	229	0.0		PH03	1'	0 1 - 1 - 2			iche, tan, no odol	r, dry	
	<160	0.0		PH03A	2'	2 3 4 5 6 7 8 9 10 11 12 12 12 12 12 12 12 12 12 12 12 12		Same as Total De	s Above (SAA) pth; 2'		

Received by OCD: 6/7/2021 3:23:51 PM ightharpoonup environment Testing

Certificate of Analysis Summary 686612 WSP USA, Dallas, TX

Project Name: Ross Draw 25 N Battery

Project Id:

TE012921016

Contact:

Project Location:

Dan Moir

Eddy County

Date Received in Lab: Fri 01.29.2021 13:40

Report Date: 02.04.2021 09:27

Project Manager: Jessica Kramer

	Lab Id:	686612-0	ω1	686612-0	2	686612-0	102	686612-0	201	686612-0	005	
			01]2		103		JU4		103	
Analysis Requested	Field Id:	SS01		SS02		SS03		SS04		SS05		
, I	Depth:	0.5- ft										
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	,	
	Sampled:	01.29.2021	11:00	01.29.2021	11:05	01.29.2021	11:10	01.29.2021	11:15	01.29.2021	11:20	
BTEX by EPA 8021B	Extracted:	01.30.2021	17:28	01.30.2021	17:28	01.30.2021	17:28	01.30.2021	17:28	01.30.2021	17:28	
	Analyzed:	01.31.2021	05:07	01.31.2021	05:30	01.31.2021	05:52	01.31.2021	06:15	01.31.2021	06:37	
	Units/RL:	mg/kg	RL									
Benzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
Toluene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
Ethylbenzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
m,p-Xylenes		< 0.00398	0.00398	< 0.00403	0.00403	< 0.00403	0.00403	< 0.00402	0.00402	< 0.00403	0.00403	
o-Xylene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
Total Xylenes		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
Total BTEX		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00201	0.00201	< 0.00202	0.00202	
Chloride by EPA 300	Extracted:	01.30.2021	13:05	01.30.2021	13:05	01.30.2021	13:05	01.30.2021	13:05	01.30.2021	13:05	
	Analyzed:	01.30.2021	22:42	01.30.2021	22:48	01.30.2021	22:53	01.30.2021	22:59	01.30.2021	23:05	
	Units/RL:	mg/kg	RL									
Chloride		5210	199	6060	198	5640	198	10000	200	10500	200	
TPH by SW8015 Mod	Extracted:	02.02.2021	17:00	02.02.2021	17:00	02.02.2021	17:00	02.02.2021	17:00	02.02.2021	17:00	
SUB: T104704400-20-21	Analyzed:	02.03.2021	01:52	02.03.2021)2:13	02.03.2021	02:57	02.03.2021	03:19	02.03.2021	03:40	
	Units/RL:	mg/kg	RL									
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9	< 50.0	50.0	
Diesel Range Organics (DRO)		71.3	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9	< 50.0	50.0	
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9	< 50.0	50.0	
Total GRO-DRO		71.3	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9	< 50.0	50.0	
Total TPH		71.3	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9	< 50.0	50.0	

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Analytical Report 686612

for

WSP USA

Project Manager: Dan Moir

Ross Draw 25 N Battery TE012921016 02.04.2021

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)



02.04.2021

Project Manager: Dan Moir

WSP USA

2777 N. Stemmons Freeway, Suite 1600

Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): 686612

Ross Draw 25 N Battery
Project Address: Eddy County

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686612. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686612 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Vermer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 686612

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	01.29.2021 11:00	0.5 ft	686612-001
SS02	S	01.29.2021 11:05	0.5 ft	686612-002
SS03	S	01.29.2021 11:10	0.5 ft	686612-003
SS04	S	01.29.2021 11:15	0.5 ft	686612-004
SS05	S	01.29.2021 11:20	0.5 ft	686612-005

Xenco

Environment Testing

CASE NARRATIVE

Client Name: WSP USA

Project Name: Ross Draw 25 N Battery

Project ID: Report Date: 02.04.2021 TE012921016 Work Order Number(s): 686612 Date Received: 01.29.2021

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS01 Lab Sample Id: 686612-001 Matrix: Soil

Date Received:01.29.2021 13:40

Date Collected: 01.29.2021 11:00

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst:

MAB

Date Prep: 01.30.2021 13:05

% Moisture:

Seq Number: 3149503

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5210	199	mg/kg	01.30.2021 22:42		20

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DVM

Analyst: ARM Seq Number: 3149866 Date Prep: 02.02.2021 17:00

% Moisture:

Basis: Wet Weight SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	02.03.2021 01:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	71.3	50.0		mg/kg	02.03.2021 01:52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	02.03.2021 01:52	U	1
Total GRO-DRO	PHC628	71.3	50.0		mg/kg	02.03.2021 01:52		1
Total TPH	PHC635	71.3	50.0		mg/kg	02.03.2021 01:52		1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	90	%	70-130	02.03.2021 01:52
o-Terphenyl	84-15-1	101	%	70-130	02.03.2021 01:52

Wet Weight

Certificate of Analytical Results 686612

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS01 Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-001 Date Collected: 01.29.2021 11:00 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.30.2021 17:28 % Moisture: Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1
Toluene	108-88-3	< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398	mg/kg	01.31.2021 05:07	U	1
o-Xylene	95-47-6	< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1
Total BTEX		< 0.00199	0.00199	mg/kg	01.31.2021 05:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	01.31.2021 05:07	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.31.2021 05:07	



WSP USA, Dallas, TX

Ross Draw 25 N Battery

01.30.2021 13:05

Sample Id: **SS02** Lab Sample Id: 686612-002 Matrix: Soil Date Received:01.29.2021 13:40

Date Collected: 01.29.2021 11:05

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

Analyst:

MAB

MAB Date Prep: % Moisture:

Basis:

Wet Weight

Seq Number: 3149503

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6060	198	mg/kg	01.30.2021 22:48		20

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DVM

ARM Analyst: Seq Number: 3149866 Date Prep: 02.02.2021 17:00 % Moisture:

Basis: Wet Weight SUB: T104704400-20-21

Cas Number Result RLFlag **Parameter** Units **Analysis Date** Dil Gasoline Range Hydrocarbons (GRO) PHC610 U <49.8 49.8 02.03.2021 02:13 mg/kg 1 Diesel Range Organics (DRO) C10C28DRO 49.8 02.03.2021 02:13 U <49.8 mg/kg 1 Motor Oil Range Hydrocarbons (MRO) 02.03.2021 02:13 PHCG2835 <49.8 49.8 mg/kg U 1 Total GRO-DRO PHC628 <49.8 49.8 mg/kg 02.03.2021 02:13 U Total TPH PHC635 02.03.2021 02:13 U <49.8 49.8 mg/kg 1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	02.03.2021 02:13	
o-Terphenyl	84-15-1	83	%	70-130	02.03.2021 02:13	

Wet Weight



Certificate of Analytical Results 686612

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS02 Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-002 Date Collected: 01.29.2021 11:05 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.30.2021 17:28 % Moisture: Basis:

Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
71-43-2	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
108-88-3	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
100-41-4	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
179601-23-1	< 0.00403	0.00403	mg/kg	01.31.2021 05:30	U	1
95-47-6	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
1330-20-7	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
	< 0.00202	0.00202	mg/kg	01.31.2021 05:30	U	1
	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	71-43-2 <0.00202 108-88-3 <0.00202 100-41-4 <0.00202 179601-23-1 <0.00403 95-47-6 <0.00202 1330-20-7 <0.00202	71-43-2	71-43-2	71-43-2	71-43-2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.31.2021 05:30	
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.31.2021 05:30	

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: **SS03** Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-003 Date Collected: 01.29.2021 11:10 Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MAB

Analyst:

MAB

Date Prep:

01.30.2021 13:05

% Moisture:

Basis: Wet Weight

Seq Number: 3149503

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5640	198	mg/kg	01.30.2021 22:53		20

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DVM

ARM Analyst:

02.02.2021 17:00 Date Prep:

% Moisture:

Basis: Wet Weight SUB: T104704400-20-21

Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
PHC610	<49.9	49.9		mg/kg	02.03.2021 02:57	U	1
C10C28DRO	<49.9	49.9		mg/kg	02.03.2021 02:57	U	1
PHCG2835	<49.9	49.9		mg/kg	02.03.2021 02:57	U	1
PHC628	<49.9	49.9		mg/kg	02.03.2021 02:57	U	1
PHC635	<49.9	49.9		mg/kg	02.03.2021 02:57	U	1
(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
	PHC610 C10C28DRO PHCG2835 PHC628 PHC635	PHC610 <49.9 C10C28DRO <49.9 PHCG2835 <49.9 PHC628 <49.9 PHC635 <49.9	PHC610 <49.9 49.9 C10C28DRO <49.9 49.9 PHCG2835 <49.9 49.9 PHC628 <49.9 49.9 PHC635 <49.9 49.9	PHC610	PHC610	PHC610	PHC610

Wet Weight



Certificate of Analytical Results 686612

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS03 Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-003 Date Collected: 01.29.2021 11:10 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.30.2021 17:28 % Moisture: Basis:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	01.31.2021 05:52	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	01.31.2021 05:52	U	1
Surrogate	Ca	s Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	01.31.2021 05:52	
1,4-Difluorobenzene	540-36-3	104	%	70-130	01.31.2021 05:52	



WSP USA, Dallas, TX

Ross Draw 25 N Battery

Soil

Sample Id: **SS04** Matrix:

Date Received:01.29.2021 13:40

Lab Sample Id: 686612-004 Date Collected: 01.29.2021 11:15 Sample Depth: 0.5 ft

Prep Method: E300P

Analytical Method: Chloride by EPA 300

MAB

MAB Analyst:

Tech:

Date Prep: 01.30.2021 13:05 % Moisture:

Basis: Wet Weight

Seq Number: 3149503

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10000	200	mg/kg	01.30.2021 22:59		20

Analytical Method: TPH by SW8015 Mod

DVM Tech:

ARM Analyst:

02.02.2021 17:00 Date Prep:

% Moisture:

Basis: Wet Weight

Prep Method: SW8015P

Seq Number: 3149866 SUB: T104704400-20-21

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	02.03.2021 03:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	02.03.2021 03:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	02.03.2021 03:19	U	1
Total GRO-DRO	PHC628	<49.9	49.9		mg/kg	02.03.2021 03:19	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	02.03.2021 03:19	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	89	%	70-130	02.03.2021 03:19
o-Terphenyl	84-15-1	98	%	70-130	02.03.2021 03:19



WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS04 Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-004 Date Collected: 01.29.2021 11:15 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

540-36-3

Seq Number: 3149554

1,4-Difluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	01.31.2021 06:15	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	01.31.2021 06:15	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	107	%	70-130	01.31.2021 06:15		

103

01.31.2021 06:15

70-130



WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: **SS05** Matrix: Soil

> Date Collected: 01.29.2021 11:20 Sample Depth: 0.5 ft

Lab Sample Id: 686612-005

Prep Method: E300P

Date Received:01.29.2021 13:40

Analytical Method: Chloride by EPA 300

MAB Tech:

MAB Analyst: Seq Number: 3149503 Date Prep: 01.30.2021 13:05 % Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10500	200	mg/kg	01.30.2021 23:05		20

Analytical Method: TPH by SW8015 Mod

Tech: DVM

ARM Analyst: Seq Number: 3149866

Date Prep: 02.02.2021 17:00 % Moisture:

Basis: Wet Weight SUB: T104704400-20-21

Prep Method: SW8015P

Cas Number Result RLFlag **Parameter** Units **Analysis Date** Dil Gasoline Range Hydrocarbons (GRO) PHC610 U < 50.0 50.0 02.03.2021 03:40 mg/kg 1 Diesel Range Organics (DRO) C10C28DRO 50.0 02.03.2021 03:40 U < 50.0 mg/kg 1 Motor Oil Range Hydrocarbons (MRO) 02.03.2021 03:40 PHCG2835 < 50.0 50.0 mg/kg U 1 Total GRO-DRO PHC628 < 50.0 50.0 mg/kg 02.03.2021 03:40 U Total TPH PHC635 50.0 02.03.2021 03:40 U < 50.0 mg/kg 1 Flag

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	85	%	70-130	02.03.2021 03:40
o-Terphenyl	84-15-1	95	%	70-130	02.03.2021 03:40

Wet Weight



Certificate of Analytical Results 686612

WSP USA, Dallas, TX

Ross Draw 25 N Battery

Sample Id: SS05 Matrix: Soil Date Received:01.29.2021 13:40

Lab Sample Id: 686612-005 Date Collected: 01.29.2021 11:20 Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB

Analyst: MAB Date Prep: 01.30.2021 17:28 % Moisture: Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1
Toluene	108-88-3	< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403	mg/kg	01.31.2021 06:37	U	1
o-Xylene	95-47-6	< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1
Total BTEX		< 0.00202	0.00202	mg/kg	01.31.2021 06:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	01.31.2021 06:37	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.31.2021 06:37	



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 686612

WSP USA

Ross Draw 25 N Battery

Analytical Method:Chloride by EPA 300Prep Method:E300PSeq Number:3149503Matrix:SolidDate Prep:01.30.2021MB Sample Id:7720397-1-BLKLCS Sample Id:7720397-1-BKSLCSD Sample Id:7720397-1-BSD

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date

Chloride <10.0 200 205 103 202 101 90-110 1 20 mg/kg 01.30.2021 20:31

Analytical Method: Chloride by EPA 300
Seq Number: 3149503 Matrix: Soil Date Prep: 01.30.2021

MGC 1 H 1 606537 010 S

686527-010 S MS Sample Id: MSD Sample Id: 686527-010 SD Parent Sample Id: 686527-010 Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis

Parameter Flag Result Amount Result %Rec %Rec Limit Date Result 01.30.2021 20:48 Chloride 220 199 416 98 402 91 90-110 3 20 mg/kg

Analytical Method: Chloride by EPA 300 Prep Method: E300P

 Seq Number:
 3149503
 Matrix:
 Soil
 Date Prep:
 01.30.2021

 Parent Sample Id:
 686532-006
 MS Sample Id:
 686532-006 S
 MSD Sample Id:
 686532-006 SD

Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 20 01.30.2021 22:08 206 201 393 93 409 100 90-110 4 mg/kg

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

 Seq Number:
 3149866
 Matrix:
 Solid
 Date Prep:
 02.02.2021

 MB Sample Id:
 7720664-1-BLK
 LCS Sample Id:
 7720664-1-BKS
 LCSD Sample Id:
 7720664-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD **RPD** Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 02.02.2021 21:36 971 97 70-130 < 50.0 1000 991 99 2 20 mg/kg 02.02.2021 21:36 Diesel Range Organics (DRO) 86 889 89 70-130 3 20 < 50.0 1000 862 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** Flag %Rec %Rec Date Flag %Rec Flag 02.02.2021 21:36 1-Chlorooctane 94 90 93 70-130 % 02.02.2021 21:36 o-Terphenyl 109 89 96 70-130 %

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Seq Number: 3149866 Matrix: Solid Date Prep: 02.02.2021

MB Sample Id: 7720664-1-BLK

Parameter MB Units Analysis Flag
Result Date

 $Motor Oil Range Hydrocarbons (MRO) \\ < 50.0 \\ mg/kg \quad 02.02.2021 \ 21:15$

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / B RPD = 200* | (C-E) / (C+E) | [D] = 100 * (C) / [B] Log Diff = Log(Sample Duplicate

 $Log\ Diff. = Log(Sample\ Duplicate) - Log(Original\ Sample)$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result

= MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

Flag

QC Summary 686612

WSP USA

Ross Draw 25 N Battery

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Seq Number:	3149866	Matrix:	Soil	Date Prep:	02.02.2021
Parent Sample Id:	686532-001	MS Sample Id:	686532-001 S	MSD Sample Id:	686532-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	1000	100	1000	100	70-130	0	20	mg/kg	02.02.2021 22:39	
Diesel Range Organics (DRO)	<49.8	996	917	92	906	91	70-130	1	20	mg/kg	02.02.2021 22:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		87		70-130	%	02.02.2021 22:39
o-Terphenyl	90		89		70-130	%	02.02.2021 22:39

SW5035A Analytical Method: BTEX by EPA 8021B Prep Method: Seq Number: 3149554 Matrix: Solid Date Prep: 01.30.2021 MB Sample Id: 7720405-1-BLK LCS Sample Id: 7720405-1-BKS LCSD Sample Id: 7720405-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.0957	96	0.0963	96	70-130	1	35	mg/kg	01.30.2021 20:50
Toluene	< 0.00200	0.100	0.0930	93	0.0976	98	70-130	5	35	mg/kg	01.30.2021 20:50
Ethylbenzene	< 0.00200	0.100	0.0953	95	0.0962	96	71-129	1	35	mg/kg	01.30.2021 20:50
m,p-Xylenes	< 0.00400	0.200	0.190	95	0.194	97	70-135	2	35	mg/kg	01.30.2021 20:50
o-Xylene	< 0.00200	0.100	0.0949	95	0.0987	99	71-133	4	35	mg/kg	01.30.2021 20:50

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		97		99		70-130	%	01.30.2021 20:50
4-Bromofluorobenzene	102		100		104		70-130	%	01.30.2021 20:50

SW5035A Analytical Method: BTEX by EPA 8021B Prep Method: Seq Number: 3149554 Matrix: Soil Date Prep: 01.30.2021 MS Sample Id: 686581-037 S Parent Sample Id: 686581-037 MSD Sample Id: 686581-037 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00202	0.101	0.0889	88	0.0861	86	70-130	3	35	mg/kg	01.30.2021 21:35	
Toluene	< 0.00202	0.101	0.0838	83	0.0781	78	70-130	7	35	mg/kg	01.30.2021 21:35	
Ethylbenzene	< 0.00202	0.101	0.0835	83	0.0798	80	71-129	5	35	mg/kg	01.30.2021 21:35	
m,p-Xylenes	< 0.00404	0.202	0.164	81	0.160	80	70-135	2	35	mg/kg	01.30.2021 21:35	
o-Xylene	< 0.00202	0.101	0.0861	85	0.0832	83	71-133	3	35	mg/kg	01.30.2021 21:35	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		96		70-130	%	01.30.2021 21:35
4-Bromofluorobenzene	104		99		70-130	%	01.30.2021 21:35

Chain of Custody

Work Order No: US 6612

Received by: (Signature) Date/Time		4	4		2		
			и.		1		Pronon al on
		2	125/21 13:40 2		1	7	White Mr
	Received b	Relinquished by: (Signature)	Date/Time	Receiped by: (Signature)	Recei/red b	(Signature)	Relinquished by: (Signature)
	previously negotiated.	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.	submitted to Xenco, but not ana	a charge of \$5 for each sample s	each project and	ge of \$75.00 will be applied to	of Xenco. A minimum cha
s	dard terms and conditions	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	client company to Xenco, its at y losses or expenses incurred b	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and sub 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 si	f samples constit	ocument and relinquishment o	tice: Signature of this d
Ag SiO2 Na Sr Tl Sn U V Zn 1631/245.1/7470/7471: Hg	Pb Mg Mn Mo Ni K Se Ag Ni Se Ag Tl U	B Cd Ca Cr Co Cu Fe Pb Mg Mn N Cd Cr Co Cu Pb Mn Mo Ni Se Ag T	1 Al Sb As Ba Be B ;RA Sb As Ba Be Cd	8RCRA 13PPM Texas 11 A TCLP / SPLP 6010: 8RCRA	8R alyzed T	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) a
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	1			11.15			5504
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ゆいられた			~ × ×	1100 0.51	12/16/1	>	5501
Sample Comments			TPH (EI BTEX (I	Time Depth	Date Sampled	fication Matrix	Sample Identification
lab, if received by 4:30pm			PA 8	Total Containers: 5	Total (: Yes (No) N/A	Sample Custody Seals:
TAT starts the day recevied by the			015)	Correction Factor: -0-2	Correct	Yes (No) N/A	Cooler Custody Seals:
			021)	NIMOOT	Ĵ	(Yes) No	Received Intact:
				Thermometer ID	Th.	36/8.4	Temperature (°C):
			s	Wet Ice: Yes No	(Yes) No	Temp Blank:	SAMPLE RECEIPT
				Due Date:	laka	Elizabeth Naka	Sampler's Name:
				Rush:	nty	Eddy County	P.O. Number:
				Routine		15012921016	Project Number:
Work Order Notes		ANALYSIS REQUEST		Turn Around	Bettery	Russ Praw 25 N	Project Name:
ADaP1 Other:	Deliverables: EDD		elizabeth.naka@wsp.com, dan.moir@wsp.com	Email: elizabeth.naka@		(432) 236-3849	
□ ISU/IB□	Reporting:Level II		Carlsbad, NM 88220	City, State ZIP:		Midland, Tx 79705	le ZIP:
l	State of Project:	S	522 West Mermond	Address:		3300 North A Street	
□RP □rownfields □RC ⑤perfund □		Prog	e: XTO Energy	Company Name:	office	WSP USA Inc, Permian office	
Work Order Comments	Wo		Kyle Littrell	Bill to: (if different)		Dan Moir	Project Manager:

IOS Number : **77336**

Date/Time: 01.29.2021 Created by: Cloe Clifton Please send report to: Jessica Kramer

Lab# From: Carlsbad Delivery Priority: Address: 1089 N Canal Street

Lab# To: Midland Air Bill No.: E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
686612-001	S	SS01	01.29.2021 11:00	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	GRO-DRO PHCC10C28	
686612-002	S	SS02	01.29.2021 11:05	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	GRO-DRO PHCC10C28	
686612-003	S	SS03	01.29.2021 11:10	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	GRO-DRO PHCC10C28	
686612-004	S	SS04	01.29.2021 11:15	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	GRO-DRO PHCC10C28	
686612-005	S	SS05	01.29.2021 11:20	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	GRO-DRO PHCC10C28	

Inter Office Shipment or Sample Comments:

Relinquished By:

Cloe Clifton

Date Relinquished: 01.29.2021

Received By:

Jessica Kramer

Date Received:

02.01.2021

Cooler Temperature: 2.5



Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland IOS #: 77336

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Date: 02.01.2021

Temperature Measuring device used :

Sent By: Cloe Clifton Date Sent: 01.29.2021 02.46 PM

Received By: Jessica Kramer Date Received: 02.01.2021 10.00 AM

Received By: Jessica Kramer	Date Received: 02.01.2021 1	0.00 AM	
	Sample Receipt Checkl	list	Comments
#1 *Temperature of cooler(s)?		2.5	
#2 *Shipping container in good co	ndition?	Yes	
#3 *Samples received with approp	riate temperature?	Yes	
#4 *Custody Seals intact on shippi	ng container/ cooler?	Yes	
#5 *Custody Seals Signed and date	ted for Containers/coolers	Yes	
#6 *IOS present?		Yes	
#7 Any missing/extra samples?		No	
#8 IOS agrees with sample label(s	s)/matrix?	Yes	
#9 Sample matrix/ properties agre	e with IOS?	Yes	
#10 Samples in proper container/	bottle?	Yes	
#11 Samples properly preserved?		Yes	
#12 Sample container(s) intact?		Yes	
#13 Sufficient sample amount for i	ndicated test(s)?	Yes	
#14 All samples received within ho	old time?	Yes	
* Must be completed for after-hou	rs delivery of samples prior to place	cing in the refrigerator	
NonConformance:			
Corrective Action Taken:			
	Nonconformance Docum	nentation	
Contact:	Contacted by :	Date	э :

Checklist reviewed by:



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-378-1

Laboratory Sample Delivery Group: TE012921016 Client Project/Site: Ross Draw 25 N Battery

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 3/30/2021 7:34:06 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

----- LINKS

Review your project results through

lotal Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 7/9/2021 9:02:30 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: Ross Draw 25 N Battery

Laboratory Job ID: 890-378-1

SDG: TE012921016

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS and/or LCSD is outside acceptance limits, high biased. S1-Surrogate recovery exceeds control limits, low biased. 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

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 MPN Most Probable Number 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

Eurofins Xenco, Carlsbad

Case Narrative

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Job ID: 890-378-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-378-1

Receipt

The samples were received on 3/17/2021 4:56 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 0.8°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 received and analyzed from an unpreserved bulk soil jar: SW01 (890-378-1), SW02 (890-378-2), FS01 (890-378-3), FS02 (890-378-4), FS03 (890-378-5), FS04 (890-378-6), SW03 (890-378-7), FS05 (890-378-8), FS06 (890-378-9), FS07 (890-378-10), FS08 (890-378-11) and FS09 (890-378-12).

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) and the matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-834 and analytical batch 880-847 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. These analytes were biased high in the LCS, MS/MSD and were not detected in the associated samples; therefore, the data have been reported.

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Date Received: 03/17/21 16:56

Job ID: 890-378-1

SDG: TE012921016

Client Sample ID: SW01 Lab Sample ID: 890-378-1 Date Collected: 03/17/21 09:01

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		03/26/21 14:34	03/27/21 03:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			03/26/21 14:34	03/27/21 03:17	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/26/21 14:34	03/27/21 03:17	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 07:39	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 07:39	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 07:39	1
Total TPH	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 07:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130			03/23/21 16:46	03/24/21 07:39	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.5	5.03	mg/Kg			03/21/21 17:20	1

70 - 130

74

Client Sample ID: SW02 Lab Sample ID: 890-378-2 Date Collected: 03/17/21 09:05 **Matrix: Solid**

Date Received: 03/17/21 16:56

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 03:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/26/21 14:34	03/27/21 03:38	1
1,4-Difluorobenzene (Surr)	113		70 - 130			03/26/21 14:34	03/27/21 03:38	1
Method: 8015B NM - Diesel Ra	ange 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		03/29/21 14:26	03/30/21 03:15	1

Client: WSP USA Inc.

o-Terphenyl

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Client Sample ID: SW02

Date Collected: 03/17/21 09:05 Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-2

Matrix: Solid

Method: 8015B NM - Diesei Rang	ge Organics (D	RO) (GC) (C	Continued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/30/21 03:15	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/30/21 03:15	1
Total TPH	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/30/21 03:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130			03/29/21 14:26	03/30/21 03:15	

70 - 130

119

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit RLD Prepared Analyzed Dil Fac Chloride 30.9 5.02 mg/Kg 03/21/21 17:25

Client Sample ID: FS01 Lab Sample ID: 890-378-3 Date Collected: 03/17/21 09:51

Date Received: 03/17/21 16:56

Matrix: Solid

03/30/21 03:15

03/29/21 14:26

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 03/26/21 14:34 03/27/21 03:59 mg/Kg Toluene <0.00199 U 0.00199 mg/Kg 03/26/21 14:34 03/27/21 03:59 Ethylbenzene <0.00199 U 0.00199 mg/Kg 03/26/21 14:34 03/27/21 03:59 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 03/26/21 14:34 03/27/21 03:59 o-Xylene <0.00199 U 0.00199 mg/Kg 03/26/21 14:34 03/27/21 03:59 03/26/21 14:34 Xylenes, Total <0.00398 U 0.00398 mg/Kg 03/27/21 03:59 Total BTEX <0.00199 U 0.00199 03/26/21 14:34 03/27/21 03:59 mg/Kg

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	97		70 - 130	03/26/21 14:34	03/27/21 03:59	1
l	1,4-Difluorobenzene (Surr)	110		70 - 130	03/26/21 14:34	03/27/21 03:59	1

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

motriod: 00 10D 11m Biocor rang	je ergarnes (b	, (55)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 08:22	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 08:22	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 08:22	1
Total TPH	<49.8	U	49.8	mg/Kg		03/23/21 16:46	03/24/21 08:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130			03/23/21 16:46	03/24/21 08:22	1
o-Terphenyl	75		70 - 130			03/23/21 16:46	03/24/21 08:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	10.7	5 01	ma/Ka			03/21/21 17:30		

Eurofins Xenco, Carlsbad

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Client Sample ID: FS02

Date Collected: 03/17/21 09:59 Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-4

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 04:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			03/26/21 14:34	03/27/21 04:20	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/26/21 14:34	03/27/21 04:20	1
- Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10			RL 49.9	Mg/Kg	<u>D</u>	Prepared 03/25/21 09:19	Analyzed 03/25/21 18:42	Dil Fac
Gasoline Range Organics		U *+			<u> </u>	<u> </u>		Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U *+	49.9	mg/Kg	<u> </u>	03/25/21 09:19	03/25/21 18:42	1 1 1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 300.0 - Anions, Ion Ch	romatography - Soluble						
o-Terphenyl	92	70 - 130		0	3/25/21 09:19	03/25/21 18:42	1
1-Chlorooctane	92	70 - 130		0	3/25/21 09:19	03/25/21 18:42	1

4.99

mg/Kg

Limits

%Recovery Qualifier

19.4

Client Sample ID: FS03 Lab Sample ID: 890-378-5 Date Collected: 03/17/21 10:04

Date Received: 03/17/21 16:56

Surrogate

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/26/21 14:34	03/27/21 04:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			03/26/21 14:34	03/27/21 04:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/26/21 14:34	03/27/21 04:41	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *+	50.0	mg/Kg		03/25/21 09:19	03/25/21 19:02	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Dil Fac

1

Analyzed

03/21/21 17:36

Prepared

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

Lab Sample ID: 890-378-5

03/21/21 17:41

Client Sample ID: FS03 Date Received: 03/17/21 16:56

Date Collected: 03/17/21 10:04

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 19:02	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 19:02	1
Total TPH	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 19:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/25/21 09:19	03/25/21 19:02	1
o-Terphenyl	93		70 - 130			03/25/21 09:19	03/25/21 19:02	1
-								
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						

Client Sample ID: FS04 Lab Sample ID: 890-378-6

4.98

mg/Kg

51.3

Date Collected: 03/17/21 10:09 Matrix: Solid

Date Received: 03/17/21 16:56

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/26/21 14:34	03/27/21 05:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/26/21 14:34	03/27/21 05:01	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/26/21 14:34	03/27/21 05:01	1
Method: 8015B NM - Diesel Ran	• •		DI.	l lmi4		Duamanad	Amahasad	Dil Fa
		DO: (OO)						
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 03/25/21 09:19	Analyzed 03/25/21 19:23	
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U *+	49.9	mg/Kg	<u>D</u>	03/25/21 09:19	03/25/21 19:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U *+			<u>D</u>	<u> </u>		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U *+	49.9	mg/Kg	<u>D</u>	03/25/21 09:19	03/25/21 19:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U *+ U	49.9	mg/Kg	<u>D</u>	03/25/21 09:19	03/25/21 19:23	
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	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u> </u>	03/25/21 09:19 03/25/21 09:19 03/25/21 09:19	03/25/21 19:23 03/25/21 19:23 03/25/21 19:23	1 1
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	Qualifier U *+ U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 03/25/21 09:19	03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 03/25/21 19:23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 Prepared	03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 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	Result	Qualifier U*+ U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u> </u>	03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 Prepared 03/25/21 09:19	03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 Analyzed 03/25/21 19:23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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	Qualifier U*+ U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 03/25/21 09:19 Prepared 03/25/21 09:19	03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 03/25/21 19:23 Analyzed 03/25/21 19:23	1

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

Lab Sample ID: 890-378-7

Client Sample ID: SW03 Date Collected: 03/17/21 10:38 Date Received: 03/17/21 16:56

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/26/21 14:34	03/27/21 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	-	70 - 130			03/26/21 14:34	03/27/21 05:22	1

104 70 - 130 1,4-Difluorobenzene (Surr)

motriou. Ou rob ram Diocor rang	o Organios (B	(00)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *+	49.8	mg/Kg		03/25/21 09:19	03/25/21 19:44	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 19:44	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 19:44	1
Total TPH	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 19:44	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	03,	3/25/21 09:19	03/25/21 19:44	1
o-Terphenyl	94		70 - 130	03,	3/25/21 09:19	03/25/21 19:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble
--

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.8	4.98	mg/Kg			03/21/21 18:02	1

Client Sample ID: FS05

Date Collected: 03/17/21 10:43

Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

monitor out 1	ine compounde ((00)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorohenzene (Surr)			70 130			03/26/21 14:55	03/27/21 01:26	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/26/21 14:55	03/27/21 01:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/26/21 14:55	03/27/21 01:26	1

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

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1 U *+	50.1	mg/Kg		03/25/21 09:19	03/25/21 20:05	1

(GRO)-C6-C10

Eurofins Xenco, Carlsbad

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

Client Sample ID: FS05

Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-8 Date Collected: 03/17/21 10:43

Matrix: Solid

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC) (C	ontinued)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.1	U	50.1	mg/Kg		03/25/21 09:19	03/25/21 20:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/25/21 09:19	03/25/21 20:05	1
Total TPH	<50.1	U	50.1	mg/Kg		03/25/21 09:19	03/25/21 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/25/21 09:19	03/25/21 20:05	1
o-Terphenyl	93		70 - 130			03/25/21 09:19	03/25/21 20:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit Prepared Dil Fac D Analyzed 4.99 03/21/21 18:17 Chloride 42.5 mg/Kg

Client Sample ID: FS06 Lab Sample ID: 890-378-9 Date Collected: 03/17/21 10:48

Date Received: 03/17/21 16:56

Matrix: Solid

Method: 8021B - Volatile Org	ganic Compounds (0	GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		03/26/21 14:55	03/27/21 01:47	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		03/26/21 14:55	03/27/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/26/21 14:55	03/27/21 01:47	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/26/21 14:55	03/27/21 01:47	1

Michiga. 00 10D 14M - Dieser Rang	je Organies (D	110) (00)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *+	49.9	mg/Kg		03/25/21 09:19	03/25/21 20:26	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/25/21 09:19	03/25/21 20:26	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/25/21 09:19	03/25/21 20:26	1
Total TPH	<49.9	U	49.9	mg/Kg		03/25/21 09:19	03/25/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/25/21 09:19	03/25/21 20:26	1
o-Terphenyl	95		70 - 130			03/25/21 09:19	03/25/21 20:26	1

Method: 300.0 - Anions, Ion Chron	natography - S	Soluble							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	243		5.00	ma/Ka			03/21/21 18:22	1	

Eurofins Xenco, Carlsbad

Client: WSP USA Inc.

Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

Client Sample ID: FS07

Date Collected: 03/17/21 10:52 Date Received: 03/17/21 16:56 Lab Sample ID: 890-378-10

Matrix:	Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/26/21 14:55	03/27/21 02:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/26/21 14:55	03/27/21 02:07	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/26/21 14:55	03/27/21 02:07	1

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *+	49.8	mg/Kg		03/25/21 09:19	03/25/21 20:47	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 20:47	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 20:47	1
Total TPH	<49.8	U	49.8	mg/Kg		03/25/21 09:19	03/25/21 20:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/25/21 09:19	03/25/21 20:47	1

o-Terphenyl	104		70 - 130			03/25/21 09:19	03/25/21 20:47	1
Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.01	mg/Kg			03/21/21 18:28	1

Client Sample ID: FS08 Lab Sample ID: 890-378-11 Date Collected: 03/17/21 10:57 **Matrix: Solid**

Date Received: 03/17/21 16:56

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/26/21 14:55	03/27/21 02:27	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/26/21 14:55	03/27/21 02:27	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		03/24/21 09:46	03/25/21 18:19	

Eurofins Xenco, Carlsbad

(GRO)-C6-C10

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Client Sample ID: FS08

Date Collected: 03/17/21 10:57 Date Received: 03/17/21 16:56 Lab Sample ID: 890-378-11

03/21/21 18:33

Matrix: Solid

Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg		03/24/21 09:46	03/25/21 18:19	1
<49.9	U	49.9	mg/Kg		03/24/21 09:46	03/25/21 18:19	1
<49.9	U	49.9	mg/Kg		03/24/21 09:46	03/25/21 18:19	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
103		70 - 130			03/24/21 09:46	03/25/21 18:19	1
107		70 - 130			03/24/21 09:46	03/25/21 18:19	1
matography -	Calubia						
	<49.9 <49.9 <49.9 %Recovery 103		<49.9	<49.9	<49.9	<49.9	<49.9

Client Sample ID: FS09 Lab Sample ID: 890-378-12

5.00

216

Date Collected: 03/17/21 11:03

Chloride

1 11:03 Matrix: Solid

mg/Kg

Date Received: 03/17/21 16:56

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/26/21 14:55	03/27/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/26/21 14:55	03/27/21 02:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/26/21 14:55	03/27/21 02:48	1
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte Gasoline Range Organics	• •	Qualifier		<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 03/24/21 09:46	Analyzed 03/25/21 18:40	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.8	mg/Kg	<u>D</u>	03/24/21 09:46	03/25/21 18:40	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>	<u> </u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U	49.8	mg/Kg	<u>D</u>	03/24/21 09:46	03/25/21 18:40	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 <49.8	Qualifier U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40	1 1
	Result <49.8 <49.8	Qualifier U U	49.8	mg/Kg	<u>D</u>	03/24/21 09:46	03/25/21 18:40	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	Qualifier U U U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40	1 1 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 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <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	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 03/24/21 09:46	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 03/25/21 18:40	1 1
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	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 Prepared	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 Analyzed	1 1 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 Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 Prepared 03/24/21 09:46	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 Analyzed 03/25/21 18:40	1 1 1 1 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 Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 03/24/21 09:46 Prepared 03/24/21 09:46	03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 03/25/21 18:40 Analyzed 03/25/21 18:40	1 1 1 1 1 1 1 Dil Fac 1

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-378-1

Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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)	
890-378-1	SW01	96	104	
890-378-2	SW02	105	113	
890-378-3	FS01	97	110	
890-378-4	FS02	90	105	
890-378-5	FS03	99	108	
890-378-6	FS04	100	108	
890-378-7	SW03	98	104	
890-378-8	FS05	123	101	
890-378-8 MS	FS05	125	110	
890-378-8 MSD	FS05	124	110	
890-378-9	FS06	112	103	
890-378-10	FS07	121	103	
890-378-11	FS08	114	101	
890-378-12	FS09	121	103	
LCS 880-914/1-A	Lab Control Sample	101	103	
LCS 880-936/3	Lab Control Sample	83	101	
LCSD 880-936/4	Lab Control Sample Dup	89	108	
MB 880-883/5-A	Method Blank	110	102	
MB 880-936/9	Method Blank	108	95	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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			
LCSD 880-914/2-A	Lab Control Sample Dup			
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorober	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-378-1	SW01	71	74
890-378-2	SW02	112	119
890-378-3	FS01	72	75
890-378-4	FS02	92	92
890-378-5	FS03	93	93
890-378-6	FS04	94	95
890-378-7	SW03	94	94
890-378-8	FS05	93	93
890-378-9	FS06	93	95

Surrogate Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-378-10	FS07	105	104	
890-378-11	FS08	103	107	
890-378-12	FS09	102	104	
LCS 880-1013/2-A	Lab Control Sample	112	110	
LCS 880-772/2-A	Lab Control Sample	99	91	
LCS 880-799/2-A	Lab Control Sample	115	108	
LCS 880-834/2-A	Lab Control Sample	108	102	
LCSD 880-1013/3-A	Lab Control Sample Dup	109	105	
LCSD 880-772/3-A	Lab Control Sample Dup	101	92	
LCSD 880-799/3-A	Lab Control Sample Dup	109	102	
LCSD 880-834/3-A	Lab Control Sample Dup	103	95	
MB 880-1013/1-A	Method Blank	62 S1-	67 S1-	
MB 880-772/1-A	Method Blank	91	93	
MB 880-799/1-A	Method Blank	90	97	
MB 880-834/1-A	Method Blank	102	107	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

OTPH = o-Terphenyl

Job ID: 890-378-1 SDG: TE012921016 Project/Site: Ross Draw 25 N Battery

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-883/5-A

Matrix: Solid Analysis Batch: 903 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 883

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/25/21 17:54	03/27/21 01:05	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/25/21 17:54	03/27/21 01:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/25/21 17:54	03/27/21 01:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:54	03/27/21 01:05	1

Lab Sample ID: LCS 880-914/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 903 Prep Type: Total/NA Prep Batch: 914

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits	
Benzene	0.100	0.09901		mg/Kg	99	70 - 130	
Toluene	0.100	0.09387		mg/Kg	94	70 - 130	
Ethylbenzene	0.100	0.09781		mg/Kg	98	70 - 130	
m-Xylene & p-Xylene	0.200	0.1946		mg/Kg	97	70 - 130	
o-Xylene	0.100	0.09770		mg/Kg	98	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 _ 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-914/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 903

Analysis Batch: 903							Prep Batch: 914			
	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1253		mg/Kg						
Toluene	0.100	0.1166		mg/Kg						
Ethylbenzene	0.100	0.1241		mg/Kg						
m-Xylene & p-Xylene	0.200	0.2580		mg/Kg						
o-Xylene	0.100	0.1429		mg/Kg						

LCSD LCSD

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-378-8 MS **Client Sample ID: FS05** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 903									P	rep Batch: 914
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1206		mg/Kg		120	70 - 130	

QC Sample Results

Client: WSP USA Inc. Job ID: 890-378-1 SDG: TE012921016 Project/Site: Ross Draw 25 N Battery

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

Lab Sample ID: 890-378-8 MS **Matrix: Solid**

Client Sample ID: FS05 Prep Type: Total/NA Prep Batch: 914

Analysis Batch: 903

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.1122		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2304		mg/Kg		115	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1295		mg/Kg		129	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 125 1,4-Difluorobenzene (Surr) 110 70 - 130

Lab Sample ID: 890-378-8 MSD

Matrix: Solid Analysis Batch: 903 **Client Sample ID: FS05** Prep Type: Total/NA

Prep Batch: 914 ď

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.101	0.1100		mg/Kg		109	70 - 130	9	35
Toluene	<0.00200	U	0.101	0.09960		mg/Kg		99	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.101	0.1004		mg/Kg		99	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.202	0.2046		mg/Kg		101	70 - 130	12	35
o-Xylene	<0.00200	U	0.101	0.1155		mg/Kg		114	70 - 130	11	35

MSD MSD Qualifier Surrogate %Recovery Limits 70 - 130 4-Bromofluorobenzene (Surr) 124 1,4-Difluorobenzene (Surr) 110 70 - 130

Lab Sample ID: MB 880-936/9

Matrix: Solid Analysis Batch: 936 Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			03/26/21 21:22	1
Toluene	<0.00200	U	0.00200	mg/Kg			03/26/21 21:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/26/21 21:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			03/26/21 21:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			03/26/21 21:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			03/26/21 21:22	1
Total BTEX	<0.00200	U	0.00200	mg/Kg			03/26/21 21:22	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130		03/26/21 21:22	1
1,4-Difluorobenzene (Surr)	95		70 - 130		03/26/21 21:22	1

Lab Sample ID: LCS 880-936/3

Matrix: Solid

Analysis Batch: 936								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09831		mg/Kg		98	70 - 130	
Toluene	0.100	0.09401		mg/Kg		94	70 - 130	

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

03/29/21 21:39

Client Sample ID: Lab Control Sample

70 - 130

03/29/21 14:26

122

Prep Type: Total/NA

Prep Batch: 1013

Prep Type: Total/NA

QC Sample Results

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

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

Lab Sample ID: LCS 880-936/3

Matrix: Solid Analysis Batch: 936

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	0.100	0.09110		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1801		mg/Kg		90	70 - 130	
o-Xylene	0.100	0.08737		mg/Kg		87	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 83 1,4-Difluorobenzene (Surr) 101 70 - 130

Lab Sample ID: LCSD 880-936/4

Matrix: Solid			Prep Type	
Analysis Batch: 936				
	Snike	LCSD LCSD	%Rec.	RPD

%Rec RPD babbA Result Qualifier Limits Limit Analyte Unit D Benzene 0.100 0.1036 mg/Kg 104 70 - 130 5 35 Toluene 0.100 0.1027 mg/Kg 103 70 - 130 9 35 Ethylbenzene 0.100 0.09787 98 70 - 130 35 mg/Kg 35 m-Xylene & p-Xylene 0.200 0.1939 mg/Kg 97 70 - 130 0.100 0.09524 70 - 130 o-Xylene mg/Kg 95

LCSD LCSD Qualifier Limits Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 89 1,4-Difluorobenzene (Surr) 108 70 - 130

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

Lab Sample ID: MB 880-1013/1-A

Matrix: Solid Analysis Batch: 994

	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		03/29/21 14:26	03/29/21 21:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/29/21 21:39	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/29/21 21:39	1
Total TPH	<50.0	U	50.0	mg/Kg		03/29/21 14:26	03/29/21 21:39	1

MB MB Limits Prepared Dil Fac Surrogate %Recovery Qualifier Analyzed 1-Chlorooctane 62 S1-70 - 130 03/29/21 14:26 03/29/21 21:39

70 - 130

Lab Sample ID: LCS 880-1013/2-A

Matrix: Solid

Gasoline Range Organics

Analysis Batch: 994						P
	Spike	LCS LCS				%Rec.
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits

1000

67 S1-

(GRO)-C6-C10

o-Terphenyl

Eurofins Xenco, Carlsbad

Prep Type: Total/NA Prep Batch: 1013

1218

mg/Kg

QC Sample Results

Client: WSP USA Inc.

Job ID: 890-378-1

Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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

Lab Sample ID: LCS 880-1013/2-A

Matrix: Solid

Analysis Batch: 994

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

Prep Batch: 1013

Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Limits Analyte D 1000 1111 111 70 - 130 Diesel Range Organics (Over mg/Kg

C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 112
 70 - 130

 o-Terphenyl
 110
 70 - 130

Lab Sample ID: LCSD 880-1013/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 994

Client Sample ID. Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1013

LCSD LCSD RPD Spike %Rec. Result Qualifier Analyte Added Unit D %Rec Limits RPD Limit 1000 1325 Gasoline Range Organics mg/Kg 133 70 - 130 8 20 (GRO)-C6-C10 1000 1083 mg/Kg 108 70 - 130 3 20 Diesel Range Organics (Over

C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 109
 70 - 130

 o-Terphenyl
 105
 70 - 130

Lab Sample ID: MB 880-772/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 783

MB MB

Prep Type: Total/NA

Prep Batch: 772

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 03/23/21 16:46 03/23/21 23:14 (GRO)-C6-C10 mg/Kg <50.0 U 50.0 03/23/21 16:46 03/23/21 23:14 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/23/21 16:46 03/23/21 23:14 Total TPH <50.0 U 50.0 03/23/21 23:14 mg/Kg 03/23/21 16:46

MR MR Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 91 70 - 130 03/23/21 16:46 03/23/21 23:14 70 - 130 93 03/23/21 16:46 03/23/21 23:14 o-Terphenyl

Lab Sample ID: LCS 880-772/2-A Client Sample ID: Lab Control Sample

Matrix: Solid
Analysis Batch: 783

Prep Type: Total/NA
Prep Batch: 772

Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit D %Rec Gasoline Range Organics 1000 1021 mg/Kg 102 70 - 130(GRO)-C6-C10 1000 882.8 Diesel Range Organics (Over mg/Kg 88 70 - 130

C10-C28)

LCS LCS

Surrayata Value of Cartesian Constitution Limits

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 99
 70 - 130

Eurofins Xenco, Carlsbad

2

3

5

7

9

11

13

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

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

Lab Sample ID: LCS 880-772/2-A

Lab Sample ID: LCSD 880-772/3-A

Matrix: Solid Analysis Batch: 783

Matrix: Solid

Analysis Batch: 783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 772

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl 91 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 772

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1031 mg/Kg 103 70 - 130 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 892.5 mg/Kg 89 70 - 130 20 C10-C28)

LCSD LCSD

мв мв

Surrogate	%Recovery	Limits	
1-Chlorooctane	101		70 - 130
o-Terphenyl	92		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 799

Analysis Batch: 832

Matrix: Solid

Lab Sample ID: MB 880-799/1-A

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/24/21 09:46	03/25/21 11:36	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/24/21 09:46	03/25/21 11:36	1
	C10-C28)								
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/24/21 09:46	03/25/21 11:36	1
	Total TPH	<50.0	U	50.0	mg/Kg		03/24/21 09:46	03/25/21 11:36	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 03/24/21 09:46 1-Chlorooctane 90 70 - 130 03/25/21 11:36 97 70 - 130 o-Terphenyl 03/24/21 09:46 03/25/21 11:36

Lab Sample ID: LCS 880-799/2-A

Matrix: Solid

Analysis Batch: 832

Prep Type: Total/NA

Prep Batch: 799

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1179	-	mg/Kg		118	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1077		mg/Kg		108	70 - 130	
0.40, 0.00								

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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

Lab Sample ID: LCSD 880-799/3-A

Matrix: Solid

Analysis Batch: 832

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 799

Spike LCSD LCSD %Rec. RPD RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1185 mg/Kg 118 70 - 130 0 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1069 mg/Kg 107 70 - 130

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualif	ier Limits
1-Chlorooctane	109	70 - 130
o-Terphenyl	102	70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 834

Lab Sample ID: MB 880-834/1-A Matrix: Solid

Analysis Batch: 847

	IVID	IAID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 12:03	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 12:03	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 12:03	1
Total TPH	<50.0	U	50.0	mg/Kg		03/25/21 09:19	03/25/21 12:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/25/21 09:19	03/25/21 12:03	1
o-Terphenyl	107		70 - 130	03/25/21 09:19	03/25/21 12:03	1

Lab Sample ID: LCS 880-834/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 847							P	rep Batch	า։ 834
	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1376	*+	mg/Kg		138	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1123		mg/Kg		112	70 - 130		

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	108	70 _ 130
o-Terphenyl	102	70 - 130

Lab Sample ID: LCSD 880-834/3-A

Matrix: Solid

Analysis Batch: 847

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

Prep Batch: 834

	Spike	LCSD	LCSD				%Rec.	-	RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1230		mg/Kg		123	70 - 130	11	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1109		mg/Kg		111	70 - 130	1	20
C10-C28)									

Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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

Lab Sample ID: LCSD 880-834/3-A **Matrix: Solid Analysis Batch: 847**

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec.

Client Sample ID: Lab Control Sample Dup

Prep Batch: 834

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 103 70 - 130 o-Terphenyl 95 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-628/1-B

Matrix: Solid Analysis Batch: 660

мв мв

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 mg/Kg 03/21/21 16:13

LCS LCS

Lab Sample ID: LCS 880-628/2-B

Matrix: Solid

Analysis Batch: 660

Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 243.4 97 90 _ 110 mg/Kg

Spike

Lab Sample ID: LCSD 880-628/3-B

Matrix: Solid

Analysis Batch: 660

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 247.9 99 90 - 110 mg/Kg

Lab Sample ID: 890-378-5 MS

Matrix: Solid

Analysis Batch: 660

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier %Rec Limits Unit D 250 305.8 102 90 - 110 Chloride 51.3 mg/Kg

Lab Sample ID: 890-378-5 MSD

Released to Imaging: 7/9/2021 9:02:30 AM

Matrix: Solid

Analysis Batch: 660

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Qualifier Analyte Result Unit %Rec Limits RPD Limit Chloride 51.3 250 305.2 102 mg/Kg 90 - 110 20

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Client Sample ID: FS03 **Prep Type: Soluble**

Client Sample ID: FS03 Prep Type: Soluble

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

GC VOA

Prep Batch: 883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-883/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-8	FS05	Total/NA	Solid	8021B	914
890-378-9	FS06	Total/NA	Solid	8021B	914
890-378-10	FS07	Total/NA	Solid	8021B	914
890-378-11	FS08	Total/NA	Solid	8021B	914
890-378-12	FS09	Total/NA	Solid	8021B	914
MB 880-883/5-A	Method Blank	Total/NA	Solid	8021B	883
LCS 880-914/1-A	Lab Control Sample	Total/NA	Solid	8021B	914
LCSD 880-914/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	914
890-378-8 MS	FS05	Total/NA	Solid	8021B	914
890-378-8 MSD	FS05	Total/NA	Solid	8021B	914

Prep Batch: 911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-1	SW01	Total/NA	Solid	5035	
890-378-2	SW02	Total/NA	Solid	5035	
890-378-3	FS01	Total/NA	Solid	5035	
890-378-4	FS02	Total/NA	Solid	5035	
890-378-5	FS03	Total/NA	Solid	5035	
890-378-6	FS04	Total/NA	Solid	5035	
890-378-7	SW03	Total/NA	Solid	5035	

Prep Batch: 914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-8	FS05	Total/NA	Solid	5035	
890-378-9	FS06	Total/NA	Solid	5035	
890-378-10	FS07	Total/NA	Solid	5035	
890-378-11	FS08	Total/NA	Solid	5035	
890-378-12	FS09	Total/NA	Solid	5035	
LCS 880-914/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-914/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-378-8 MS	FS05	Total/NA	Solid	5035	
890-378-8 MSD	FS05	Total/NA	Solid	5035	

Analysis Batch: 936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-1	SW01	Total/NA	Solid	8021B	911
890-378-2	SW02	Total/NA	Solid	8021B	911
890-378-3	FS01	Total/NA	Solid	8021B	911
890-378-4	FS02	Total/NA	Solid	8021B	911
890-378-5	FS03	Total/NA	Solid	8021B	911
890-378-6	FS04	Total/NA	Solid	8021B	911
890-378-7	SW03	Total/NA	Solid	8021B	911
MB 880-936/9	Method Blank	Total/NA	Solid	8021B	
LCS 880-936/3	Lab Control Sample	Total/NA	Solid	8021B	
LCSD 880-936/4	Lab Control Sample Dup	Total/NA	Solid	8021B	

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

GC Semi VOA

Prep Batch: 772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-1	SW01	Total/NA	Solid	8015NM Prep	
890-378-3	FS01	Total/NA	Solid	8015NM Prep	
MB 880-772/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-772/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-1	SW01	Total/NA	Solid	8015B NM	772
890-378-3	FS01	Total/NA	Solid	8015B NM	772
MB 880-772/1-A	Method Blank	Total/NA	Solid	8015B NM	772
LCS 880-772/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	772
LCSD 880-772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	772

Prep Batch: 799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-11	FS08	Total/NA	Solid	8015NM Prep	
890-378-12	FS09	Total/NA	Solid	8015NM Prep	
MB 880-799/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-799/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-799/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-11	FS08	Total/NA	Solid	8015B NM	799
890-378-12	FS09	Total/NA	Solid	8015B NM	799
MB 880-799/1-A	Method Blank	Total/NA	Solid	8015B NM	799
LCS 880-799/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	799
LCSD 880-799/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	799

Prep Batch: 834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-4	FS02	Total/NA	Solid	8015NM Prep	
890-378-5	FS03	Total/NA	Solid	8015NM Prep	
890-378-6	FS04	Total/NA	Solid	8015NM Prep	
890-378-7	SW03	Total/NA	Solid	8015NM Prep	
890-378-8	FS05	Total/NA	Solid	8015NM Prep	
890-378-9	FS06	Total/NA	Solid	8015NM Prep	
890-378-10	FS07	Total/NA	Solid	8015NM Prep	
MB 880-834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-4	FS02	Total/NA	Solid	8015B NM	834
890-378-5	FS03	Total/NA	Solid	8015B NM	834
890-378-6	FS04	Total/NA	Solid	8015B NM	834
890-378-7	SW03	Total/NA	Solid	8015B NM	834
890-378-8	FS05	Total/NA	Solid	8015B NM	834
890-378-9	FS06	Total/NA	Solid	8015B NM	834

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Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

GC Semi VOA (Continued)

Analysis Batch: 847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-10	FS07	Total/NA	Solid	8015B NM	834
MB 880-834/1-A	Method Blank	Total/NA	Solid	8015B NM	834
LCS 880-834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	834
LCSD 880-834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	834

Analysis Batch: 994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-2	SW02	Total/NA	Solid	8015B NM	1013
MB 880-1013/1-A	Method Blank	Total/NA	Solid	8015B NM	1013
LCS 880-1013/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1013
LCSD 880-1013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1013

Prep Batch: 1013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-2	SW02	Total/NA	Solid	8015NM Prep	
MB 880-1013/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1013/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-378-1	SW01	Soluble	Solid	DI Leach	
890-378-2	SW02	Soluble	Solid	DI Leach	
890-378-3	FS01	Soluble	Solid	DI Leach	
890-378-4	FS02	Soluble	Solid	DI Leach	
890-378-5	FS03	Soluble	Solid	DI Leach	
890-378-6	FS04	Soluble	Solid	DI Leach	
890-378-7	SW03	Soluble	Solid	DI Leach	
890-378-8	FS05	Soluble	Solid	DI Leach	
890-378-9	FS06	Soluble	Solid	DI Leach	
890-378-10	FS07	Soluble	Solid	DI Leach	
890-378-11	FS08	Soluble	Solid	DI Leach	
890-378-12	FS09	Soluble	Solid	DI Leach	
MB 880-628/1-B	Method Blank	Soluble	Solid	DI Leach	
LCS 880-628/2-B	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-628/3-B	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-378-5 MS	FS03	Soluble	Solid	DI Leach	
890-378-5 MSD	FS03	Soluble	Solid	DI Leach	

Analysis Batch: 660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-1	SW01	Soluble	Solid	300.0	628
890-378-2	SW02	Soluble	Solid	300.0	628
890-378-3	FS01	Soluble	Solid	300.0	628
890-378-4	FS02	Soluble	Solid	300.0	628
890-378-5	FS03	Soluble	Solid	300.0	628
890-378-6	FS04	Soluble	Solid	300.0	628
890-378-7	SW03	Soluble	Solid	300.0	628
890-378-8	FS05	Soluble	Solid	300.0	628

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

HPLC/IC (Continued)

Analysis Batch: 660 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-378-9	FS06	Soluble	Solid	300.0	628
890-378-10	FS07	Soluble	Solid	300.0	628
890-378-11	FS08	Soluble	Solid	300.0	628
890-378-12	FS09	Soluble	Solid	300.0	628
MB 880-628/1-B	Method Blank	Soluble	Solid	300.0	628
LCS 880-628/2-B	Lab Control Sample	Soluble	Solid	300.0	628
LCSD 880-628/3-B	Lab Control Sample Dup	Soluble	Solid	300.0	628
890-378-5 MS	FS03	Soluble	Solid	300.0	628
890-378-5 MSD	FS03	Soluble	Solid	300.0	628

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Client Sample ID: SW01

Date Collected: 03/17/21 09:01 Date Received: 03/17/21 16:56 Lab Sample ID: 890-378-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 03:17	AJ	XM
Total/NA	Prep	8015NM Prep			772	03/23/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	783	03/24/21 07:39	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	CH	XM
Soluble	Analysis	300.0		1	660	03/21/21 17:20	A1S	XM

Lab Sample ID: 890-378-2

Matrix: Solid

Date Collected: 03/17/21 09:05 Date Received: 03/17/21 16:56

Client Sample ID: SW02

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 03:38	AJ	XM
Total/NA	Prep	8015NM Prep			1013	03/29/21 14:26	DM	XM
Total/NA	Analysis	8015B NM		1	994	03/30/21 03:15	T1S	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	СН	XM
Soluble	Analysis	300.0		1	660	03/21/21 17:25	A1S	XM

Lab Sample ID: 890-378-3 **Client Sample ID: FS01** Date Collected: 03/17/21 09:51

Matrix: Solid

Date Received: 03/17/21 16:56

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 03:59	AJ	XM
Total/NA	Prep	8015NM Prep			772	03/23/21 16:46	DM	XM
Total/NA	Analysis	8015B NM		1	783	03/24/21 08:22	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	СН	XM
Soluble	Analysis	300.0		1	660	03/21/21 17:30	A1S	XM

Client Sample ID: FS02 Lab Sample ID: 890-378-4

Date Collected: 03/17/21 09:59 Date Received: 03/17/21 16:56 **Matrix: Solid**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 04:20	AJ	XM
Total/NA	Prep	8015NM Prep			834	03/25/21 09:19	DM	XM
Total/NA	Analysis	8015B NM		1	847	03/25/21 18:42	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	СН	XM
Soluble	Analysis	300.0		1	660	03/21/21 17:36	A1S	XM

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1 SDG: TE012921016

Lab Sample ID: 890-378-5

Client Sample ID: FS03

Date Collected: 03/17/21 10:04 Date Received: 03/17/21 16:56 Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 04:41	AJ	XM
Total/NA	Prep	8015NM Prep			834	03/25/21 09:19	DM	XM
Total/NA	Analysis	8015B NM		1	847	03/25/21 19:02	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	CH	XM
Soluble	Analysis	300.0		1	660	03/21/21 17:41	A1S	XM

Client Sample ID: FS04

Date Collected: 03/17/21 10:09 Date Received: 03/17/21 16:56 **Lab Sample ID: 890-378-6**

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 911 03/26/21 14:34 KL XM Total/NA 8021B Analysis 936 03/27/21 05:01 XM1 ΑJ Total/NA Prep 8015NM Prep 03/25/21 09:19 ΧM 834 DM Total/NA 8015B NM ΧM Analysis 847 03/25/21 19:23 AM Soluble ΧM Leach DI Leach 628 03/21/21 11:50 СН Soluble Analysis 300.0 1 660 03/21/21 17:56 A1S XM

Client Sample ID: SW03

Date Collected: 03/17/21 10:38

Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-7

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			911	03/26/21 14:34	KL	XM
Total/NA	Analysis	8021B		1	936	03/27/21 05:22	AJ	XM
Total/NA	Prep	8015NM Prep			834	03/25/21 09:19	DM	XM
Total/NA	Analysis	8015B NM		1	847	03/25/21 19:44	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	CH	XM
Soluble	Analysis	300.0		1	660	03/21/21 18:02	A1S	XM

Client Sample ID: FS05

Date Collected: 03/17/21 10:43

Date Received: 03/17/21 16:56

Lab Sample ID: 890-378-8

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			914	03/26/21 14:55	KL	XM
Total/NA	Analysis	8021B		1	903	03/27/21 01:26	KL	XM
Total/NA	Prep	8015NM Prep			834	03/25/21 09:19	DM	XM
Total/NA	Analysis	8015B NM		1	847	03/25/21 20:05	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	СН	XM
Soluble	Analysis	300.0		1	660	03/21/21 18:17	A1S	XM

Eurofins Xenco, Carlsbad

Released to Imaging: 7/9/2021 9:02:30 AM

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890-378-8

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

Client Sample ID: FS06 Lab Sample ID: 890-378-9

Date Collected: 03/17/21 10:48 **Matrix: Solid** Date Received: 03/17/21 16:56

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 03/26/21 14:55 KL XM 914 8021B Total/NA Analysis 1 903 03/27/21 01:47 KL XM Total/NA Prep 8015NM Prep 834 03/25/21 09:19 DM ΧM Total/NA Analysis 8015B NM 1 847 03/25/21 20:26 AMXMSoluble Leach DI Leach 628 03/21/21 11:50 СН ΧM Soluble Analysis 300.0 1 660 03/21/21 18:22 A1S ΧM

Client Sample ID: FS07 Lab Sample ID: 890-378-10

Date Collected: 03/17/21 10:52 Matrix: Solid Date Received: 03/17/21 16:56

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 914 03/26/21 14:55 KL XM 8021B Total/NA ΧM Analysis 1 903 03/27/21 02:07 KL Total/NA Prep 8015NM Prep 834 03/25/21 09:19 DM XM Total/NA Analysis 8015B NM 1 847 03/25/21 20:47 AMXM

1 **Client Sample ID: FS08** Lab Sample ID: 890-378-11

628

660

03/21/21 11:50

03/21/21 18:28

СН

A1S

ΧM

XM

Date Collected: 03/17/21 10:57 **Matrix: Solid** Date Received: 03/17/21 16:56

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab 5035 XM Total/NA Prep 914 03/26/21 14:55 KL Total/NA 8021B 03/27/21 02:27 ΧM Analysis 1 903 KL Total/NA ΧM Prep 8015NM Prep 799 03/24/21 09:46 DM Total/NA 8015B NM ΧM Analysis 1 832 03/25/21 18:19 AM Soluble Leach DI Leach 628 03/21/21 11:50 СН XM Soluble 300.0 03/21/21 18:33 XM Analysis 1 660 A1S

Client Sample ID: FS09 Lab Sample ID: 890-378-12

Date Collected: 03/17/21 11:03 Matrix: Solid Date Received: 03/17/21 16:56

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			914	03/26/21 14:55	KL	XM
Total/NA	Analysis	8021B		1	903	03/27/21 02:48	KL	XM
Total/NA	Prep	8015NM Prep			799	03/24/21 09:46	DM	XM
Total/NA	Analysis	8015B NM		1	832	03/25/21 18:40	AM	XM
Soluble	Leach	DI Leach			628	03/21/21 11:50	CH	XM
Soluble	Analysis	300.0		1	660	03/21/21 18:38	A1S	XM

Laboratory References:

Soluble

Soluble

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

DI Leach

300.0

Leach

Analysis

Eurofins Xenco, Carlsbad

Released to Imaging: 7/9/2021 9:02:30 AM

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-378-1 Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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	06-30-21

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: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

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

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:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-378-1

SDG: TE012921016

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-378-1	SW01	Solid	03/17/21 09:01	03/17/21 16:56
890-378-2	SW02	Solid	03/17/21 09:05	03/17/21 16:56
890-378-3	FS01	Solid	03/17/21 09:51	03/17/21 16:56
890-378-4	FS02	Solid	03/17/21 09:59	03/17/21 16:56
890-378-5	FS03	Solid	03/17/21 10:04	03/17/21 16:56
890-378-6	FS04	Solid	03/17/21 10:09	03/17/21 16:56
890-378-7	SW03	Solid	03/17/21 10:38	03/17/21 16:56
890-378-8	FS05	Solid	03/17/21 10:43	03/17/21 16:56
890-378-9	FS06	Solid	03/17/21 10:48	03/17/21 16:56
890-378-10	FS07	Solid	03/17/21 10:52	03/17/21 16:56
890-378-11	FS08	Solid	03/17/21 10:57	03/17/21 16:56
890-378-12	FS09	Solid	03/17/21 11:03	03/17/21 16:56

		Chain of Custody	Work Order No:
XMZOO ATORIES	Houston,TX (281) 240 Midland,TX (432-70	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-333 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbook,TX (806)794-1296	509-3334 34-1296 A F 1 (913-520-2000) A F 1 (913-520-2000) A F 1 (913-520-2000) A F 1 (913-520-2000)
Project Manager: Dan Moir	Bill to: (if different)	Bill to: (if different) Kyle Littrell	Work Order Com
	Company Name		Program: UST/PST _RPrownfields _RC _{1}perfund [
	Address:		
e ZIP:	City, State ZIP:	ZIP: Carlsbad, NM 88220	Reporting:Level III
	Email: Jeremy.Hill	sp.co	Deliverables: EDD ADaPT Other:
Name: Ross Down 25	N Balton Turn Around	ANALYSIS REQUEST	
91016561031 ne	Routine P		CC #
Soull date =	1/1/J1 Rush:		
Jen	Hill Due Date:		
SAMPLE RECEIPT Temp Blank:	Yes No Wet Ice: Yes No		The A
Temperature (°C):	Thermometer ID)	S598E2:010100000
Cooler Custody Seals: Yes (No) N/A	Correction Factor: -0.7	PA 30	A Chain of Custody TAT starts the day received by the
Sample Custody Seals: Yes No N/A	Total Containers:	PA 8	lab, if received by 4:30pm
Sample Identification Matrix	Date Time Sampled Sampled Depth	Number TPH (El BTEX (I	Sample Comments
S 1008	3/17/21 0901 0-2	х х	Corposite
Swoo	0905 0-2		
FSOI	0951 2.0'		
FSCA	0959 3.00		
P503	100H 2.0'		
7.057	1009 3.61		
SW03	1038 0-2		
F505	1043 2.0		
7506			
17507 W	1029 9:0's	4	-
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PPM Texas 11 A	I Sb As Ba Be B Cd Ca Cr Co C Sb As Ba Be Cd Cr Co Cu Pb M	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn In Mo Ni Se Ag Tl U 1631/245.1/7470./7471 : Hg
votice: Signature of this document and relinquishment of service. Xenco will be liable only for the cost of samp	of samples constitutes a valid purchase order	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 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 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 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 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 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 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 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.	It assigns standard terms and conditions are due to circumstances beyond the control procedures previously peopleted.
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Bill to: (if different) Kyle Littrell	575-392-7550) Phoenix,AZ (480-355-090	Midland, TX (432-704-5440) EL Paso, T)	Houston,TX (281) 240-4200 Dallas,TX (2	Chain
rell	(575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334	Chain of Custody

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	2	Relinquished by: (Signature)		Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed									T	Sam	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name	P.O. Number:	Project Number:	Project Name:	ne:	City, State ZIP:	Address:	Company Name:	Project Manager:	
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		ature)	and relin y for the c 5.00 will t	200.8 / 6020: Metal(s) to be										ň	Yes N	<u>a</u>	Yes		Te		50.11 Deck =	65610	D sem	(432) 236-3849	Midland, TX 79705	3300 North A Street	JSA	oir	ATOR
			gnature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontrac. 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 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	6020:) to be a				1			ı	1	^	Matrix	No N/A	No N/A	N N		Temp Blank:	Jeremy Hill	-	41016	2	ý	9705	Street			SBIS
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Work Order No:

Revised Date 051418 Rcv. 2018.1

Eurofins Xenco, Carlsbad

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City Midland	TAT Requested (days)	ays)					\dashv	4				\dashv	\dashv		4	NaO HCL	HCL NaOH	ZZ	Hexane None
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Phone: 432-704-5440(Tel)	PO#:				7											F MeOH G - Amchlor		S R-No	2S2O3 SO4
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Project Name: Ross Draw 25 N Battery	Project #: 89000004			D.	s or l											K-EDTA L EDA	٩		pH 4-5 other (specify)
Site	SSOW#:				SD (Ye											Other:			
			Sample Type	Matrix (W=water Legeld S=solid	rm MS/A	ORGFM_2	V6036FP_								Number				
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G≔grab) в	BT=Tissue, A=Air)	Peri		-								Tota	S	pecial Ins	struct	Special Instructions/Note
			Preservation Code:	on Code:	$\hat{\mathbf{x}}$	2	Phon				1974 S		7	Ź	X			1	
SW01 (890-378-1)	3/17/21	09 01 Mountain		Solid		×	×								-				
SW02 (890-378-2)	3/17/21	09 05 Mountain		Solid		×	×								۵.				
FS01 (890-378-3)	3/17/21	09 51 Mountain		Solid		×	×												
FS02 (890-378-4)	3/17/21	09 59 Mountain		Solid		×	×			\dashv	\Box		\dashv		-				
FS03 (890-378-5)	3/17/21	10 04 Mountain		Solid		×	×					_	_		-1				
FS04 (890-378-6)	3/17/21	10 09 Mountain		Solid		×	×								_				
SW03 (890-378-7)	3/17/21	10 38 Mountain		Solid		×	×								-3				
FS05 (890-378-8)	3/17/21	10 43 Mountain		Solid		×	×								-1				
FS06 (890-378-9)	3/17/21	10 48 Mountain		Solid		×	×												
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.	blaces the ownership seing analyzed the s rn the signed Chain	of method ana amples must be of Custody attes	lyte & accredite shipped back ting to said cor	ation compliand to the Eurofins mplicance to Eu	e upon o Xenco Li Irofins Xe	ut subc LC labo	ontract ratory o	laboratori or other ins	es. This s structions v	ample sh	ipment i ovided	s forwa Any cha	rded un	der ch	ain-of- ditatio	custody	If the labor should be b	atory d	oes not currently o Eurofins Xenco
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Ver 11/01/2020

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Chain of Custody Record

Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199

Eurofins Xenco, Carlsbad 1089 N Canal St.

(40 400mtary days) = 0.00mm days 1.00mm	Sampler		<u> x</u>	Lab PM Kramer Jessica	<u></u>			Carrier	Carrier Tracking No(s)		890-106 2	
Client Contact	Phone:			E-Mail				State of Origin:	Origin:		Page	
Shipping/Receiving			·Š	jessica kramer@eurofinset.com	er@eu	rofinse	com	New M	exico		Page 2 of 2	THE PROPERTY OF THE PERSON OF
Company Eurofins Xenco				Accreditations Required (See note) NELAP - Louisiana NELAP	tions Re - Louis	quired (Signan)	Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	as			Job #: 890-378-1	
V .	Due Date Requested						Analysis	Analysis Requested	9		Preservation Codes	
I VV FIORIGA AVE	TAT Pognosted (days)			30 m	F	L					A-HCL	M Hexane
City Midland	reducercu (raye)										C Zn Acetate	O AsNaO2
State, Zip: TX, 79701											E NaHSO4	P Na2O4S Q Na2SO3 P Na2SO3
Phone 432-704-5440(Tel)	PO#:			(6							G Amchlor H Ascorbic Acid	S H2SO4 T TSP Dodecahydrate
Email	.WO #:			bearing Spiles.							_ ¬	U Acetone V MCAA
Project Name:	Project #			W	·					2017	ㅈㄱ	W pH 4-5 Z other (specify)
Ross Draw 25 N Battery Site:	SSOW#:									, - ca-ca-c	coni Other	
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Samula idantification . Cliant ID (1 ab ID)	Sample Date	Sar Ty Sample (C=c Time G=c	Sample (w=water Type (w=water S=soul) G=comp, en=rissue, A=Alr	Field Filtered A'SM mother	8015MOD_UM/ 300_ORGFM_2	9021B/6036FP					Total Numbe Special I	Special Instructions/Note
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FS07 (890-378-10)	3/17/21	10 52	Solid		×	×					4	
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FS09 (890-378-12)	3/17/21 T	11 03 Mountain	Solid		×	×				an da A	6	Label Printer
					 							
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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.	c places the ownership of maching analyzed, the sample turn the signed Chain of Cu	ethod analyte as must be ship stody attesting	& accreditation con ped back to the Eu to said complicand	pliance upon or rofins Xenco La to Eurofins X	out subo LC labor enco LL(ontract la atory or o	boratories. Thother instruction	s sample shipm is will be provide	ent is forwarded i ed Any changes	under chai to accredi	n-of-custody If the lab itation status should be	oratory does not currently brought to Eurofins Xenco
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Empty Kit Relinquished by	Date	Ó		Time				Me	Method of Shipment:	t.		
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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-378-1

SDG Number: TE012921016

List Source: Eurofins Carlsbad

Login Number: 378 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	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-378-1 SDG Number: TE012921016

List Source: Eurofins Midland

List Creation: 03/18/21 11:51 AM

Login Number: 378 List Number: 2

Creator: Kramer, Jessica

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	Comment
Sample custody seals, if present, is 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?	N/A	
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 <6mm (1/4").	N/A	

Euronnis Cansbau

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-395-1

Laboratory Sample Delivery Group: Spill Date 01/07/2021

Client Project/Site: Ross Draw 25 N Battery

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 3/31/2021 11:42:19 AM

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: Ross Draw 25 N Battery
SD

Laboratory Job ID: 890-395-1 SDG: Spill Date 01/07/2021

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

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**

LCS and/or LCSD is outside acceptance limits, high biased. S1-Surrogate recovery exceeds control limits, low biased.

U 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 Contains Free Liquid **CFL** 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) Limit of Detection (DoD/DOE) LOD Limit of Quantitation (DoD/DOE) LOQ

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

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

Job ID: 890-395-1

Case Narrative

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Job ID: 890-395-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-395-1

Comments

No additional comments.

Receipt

The samples were received on 3/18/2021 4:53 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 was 5.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SW04 (890-395-1), SW05 (890-395-2), SW06 (890-395-3), SW07 (890-395-4), FS10 (890-395-5), FS11 (890-395-6), FS12 (890-395-7), FS13 (890-395-8), FS14 (890-395-9), FS15 (890-395-10), FS17 (890-395-11), FS18 (890-395-12), FS19 (890-395-13), FS20 (890-395-14), FS21 (890-395-15), FS22 (890-395-16), BH01 (890-395-17), BH01A (890-395-18) and FS16 (890-395-19).

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: SW04 (890-395-1), FS10 (890-395-5) and FS18 (890-395-12). The sample(s) shows evidence of matrix interference.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: FS16 (890-395-19). The sample(s) shows evidence of matrix interference.

GC Semi VOA

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-908 and analytical batch 880-946 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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Client Sample Results

Client: WSP USA Inc. Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-1 **Client Sample ID: SW04** Date Collected: 03/18/21 08:56 **Matrix: Solid**

Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			03/29/21 16:08	03/29/21 23:53	1
1,4-Difluorobenzene (Surr)	83		70 - 130			03/29/21 16:08	03/29/21 23:53	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		03/26/21 14:06	03/27/21 14:30	1
Total TPH	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 14:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 14:30	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			03/26/21 14:06	03/27/21 14:30	1
o-Terphenyl	86		70 - 130			03/26/21 14:06	03/27/21 14:30	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.0	4.98	mg/Kg			03/23/21 23:28	1

Lab Sample ID: 890-395-2 **Client Sample ID: SW05** Date Collected: 03/18/21 09:01 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			03/29/21 16:08	03/30/21 00:13	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/29/21 16:08	03/30/21 00:13	1

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <49.9 U *+ 03/26/21 14:06 03/27/21 15:37 Gasoline Range Organics 49.9 mg/Kg (GRO)-C6-C10 Total TPH <49.9 U 49.9 mg/Kg 03/26/21 14:06 03/27/21 15:37

Project/Site: Ross Draw 25 N Battery

Job ID: 890-395-1

SDG: Spill Date 01/07/2021

Client Sample ID: SW05

Date Collected: 03/18/21 09:01 Date Received: 03/18/21 16:53 Lab Sample ID: 890-395-2

Matrix: Solid

Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC) (Continue	d)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 15:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 15:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			03/26/21 14:06	03/27/21 15:37	1
o-Terphenyl	73		70 - 130			03/26/21 14:06	03/27/21 15:37	1

Method: 300.0 - Anions, Ion (Chromatography - Solub	ole					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	243	4.99	mg/Kg			03/23/21 23:44	1

Client Sample ID: SW06

Date Collected: 03/18/21 09:07

Lab Sample ID: 890-395-3

Matrix: Solid

Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
Toluene	< 0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/29/21 16:08	03/30/21 00:33	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/29/21 16:08	03/30/21 00:33	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7	mg/Kg		03/26/21 14:06	03/27/21 16:03	1
Total TPH	<49.7	U	49.7	mg/Kg		03/26/21 14:06	03/27/21 16:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		03/26/21 14:06	03/27/21 16:03	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		03/26/21 14:06	03/27/21 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			03/26/21 14:06	03/27/21 16:03	1
o-Terphenyl	82		70 - 130			03/26/21 14:06	03/27/21 16:03	1

Method: 300.0 - Anions, Ion Ch	romatogra							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		4.96	mg/Kg			03/23/21 23:49	1

Project/Site: Ross Draw 25 N Battery

Date Received: 03/18/21 16:53

Job ID: 890-395-1

SDG: Spill Date 01/07/2021

Client Sample ID: SW07 Lab Sample ID: 890-395-4 Date Collected: 03/18/21 09:12

Matrix: Solid

Method: 8021B -	Volatile	Organic	Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 00:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/29/21 16:08	03/30/21 00:54	1

98 70 - 130 03/29/21 16:08 03/30/21 00:54 1,4-Difluorobenzene (Surr)

Method: 8015B NW - Diesei R	ange Organ	ics (DRU)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 16:25	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 16:25	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			03/26/21 14:06	03/27/21 16:25	1

1-Chlorooctane	76	70 - 130
o-Terphenyl	76	70 - 130

Method: 300.0 - Anions	, Ion Chromatography - Solub	ole					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1	4.97	ma/Ka			03/23/21 23:54	1

Lab Sample ID: 890-395-5 **Client Sample ID: FS10** Date Collected: 03/18/21 10:01

Date Received: 03/18/21 16:53

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
Xylenes, Total	< 0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 02:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1 Promofluorobonzono (Curr)	122	C1+	70 120			02/20/21 16:09	02/20/21 02:44	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fa
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/29/21 16:08	03/30/21 02:44	
1,4-Difluorobenzene (Surr)	91		70 - 130	03/29/21 16:08	03/30/21 02:44	

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

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *+	49.8	mg/Kg		03/26/21 14:06	03/27/21 16:46	1
(GRO)-C6-C10 Total TPH	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 16:46	1

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Matrix: Solid

03/26/21 14:06 03/27/21 16:25

Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Client Sample ID: FS10

Date Collected: 03/18/21 10:01

Lab Sample ID: 890-395-5

Matrix: Solid

Date Collected: 03/18/21 10:01 Matrix: So Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 16:46	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			03/26/21 14:06	03/27/21 16:46	1
o-Terphenyl	80		70 - 130			03/26/21 14:06	03/27/21 16:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	85.0	5.00	mg/Kg			03/24/21 00:00	1

Client Sample ID: FS11 Lab Sample ID: 890-395-6

Date Collected: 03/18/21 10:05

Matrix: Solid

Date Received: 03/18/21 16:53

Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			03/29/21 16:08	03/30/21 03:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/29/21 16:08	03/30/21 03:04	1
- Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:08	1
T-4-LTDLL	4F0 0		FO 0			00/00/04 44:00		

Method: 8015B NM - Diesel R			• •					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:08	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130			03/26/21 14:06	03/27/21 17:08	1
o-Terphenyl	81		70 - 130			03/26/21 14:06	03/27/21 17:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	170	5.00	mg/Kg			03/24/21 00:05	1

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4.0

Client: WSP USA Inc. Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Client Sample ID: FS12 Lab Sample ID: 890-395-7

Date Collected: 03/18/21 10:09	Matrix: Solid
Date Received: 03/18/21 16:53	
Γ	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		03/29/21 16:08	03/30/21 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/29/21 16:08	03/30/21 03:25	1
1 1 Diffuerahanzana (Curr)	100		70 400			00/00/04 40:00	02/20/24 02:25	4

1,4-Difluorobenzene (Surr)	100		70 - 130			03/29/21 16:08	03/30/21 03:25	1
Method: 8015B NM - Diesel Ra	nge Organ	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:29	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:29	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:29	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85	70 - 130	03/26/21 14:06	03/27/21 17:29	1
o-Terphenyl	85	70 - 130	03/26/21 14:06	03/27/21 17:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
l	Chloride	220		4.98	mg/Kg			03/24/21 00:10	1	

Lab Sample ID: 890-395-8 **Client Sample ID: FS13** Date Collected: 03/18/21 10:15 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		03/29/21 16:08	03/30/21 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/29/21 16:08	03/30/21 03:45	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/29/21 16:08	03/30/21 03:45	1

Method: 8015B NM - Diesel	Range Organics (DRO) (GC)					
Analyte	Result Qua	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U*+	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:50	1
Total TPH	<50.0 U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:50	1

Client: WSP USA Inc. Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Client Sample ID: FS13 Lab Sample ID: 890-395-8

Date Collected: 03/18/21 10:15 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/26/21 14:06	03/27/21 17:50	1
o-Terphenyl	91		70 - 130			03/26/21 14:06	03/27/21 17:50	1

Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solub	le					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	299		4.99	mg/Kg			03/24/21 00:15	1

Lab Sample ID: 890-395-9 **Client Sample ID: FS14** Date Collected: 03/18/21 10:19 **Matrix: Solid**

Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			03/29/21 16:08	03/30/21 04:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/29/21 16:08	03/30/21 04:06	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		03/26/21 14:06	03/27/21 18:12	1
Total TPH	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			03/26/21 14:06	03/27/21 18:12	1
o-Terphenyl	93		70 - 130			03/26/21 14:06	03/27/21 18:12	1

Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solu <mark>l</mark>	ole					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.05	mg/Kg			03/23/21 13:58	1

Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-10 **Client Sample ID: FS15**

Date Collected: 03/18/21 10:24 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/29/21 16:08	03/30/21 04:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130			03/29/21 16:08	03/30/21 04:26	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8	mg/Kg		03/26/21 14:06	03/27/21 18:33	1
Total TPH	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 18:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 18:33	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/26/21 14:06	03/27/21 18:33	1
o-Terphenvl	88		70 - 130			03/26/21 14:06	03/27/21 18:33	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251	5.00	mg/Kg			03/23/21 14:03	1

Lab Sample ID: 890-395-11 **Client Sample ID: FS17** Date Collected: 03/18/21 10:41 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:08	03/30/21 04:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			03/29/21 16:08	03/30/21 04:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/29/21 16:08	03/30/21 04:46	1

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03/26/21 14:06 03/27/21 19:17

03/26/21 14:06 03/27/21 19:17

50.0

50.0

mg/Kg

mg/Kg

<50.0 U *+

<50.0 U

Gasoline Range Organics

(GRO)-C6-C10 Total TPH

Client: WSP USA Inc. Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Client Sample ID: FS17

Date Collected: 03/18/21 10:41

Lab Sample ID: 890-395-11

Matrix: Solid

Date Collected: 03/18/21 10:41 Matrix: Solid
Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 19:17	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			03/26/21 14:06	03/27/21 19:17	1
o-Terphenyl	91		70 - 130			03/26/21 14:06	03/27/21 19:17	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solu	ıble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		4.96	mg/Kg			03/23/21 14:19	1

Client Sample ID: FS18 Lab Sample ID: 890-395-12

Date Collected: 03/18/21 10:46

Date Received: 03/18/21 16:53

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			03/29/21 16:08	03/30/21 05:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130			03/29/21 16:08	03/30/21 05:07	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		03/26/21 14:06	03/27/21 19:38	1
Total TPH	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 19:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 19:38	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			03/26/21 14:06	03/27/21 19:38	1
o-Terphenyl	92		70 - 130			03/26/21 14:06	03/27/21 19:38	1

Method: 300.0 - Anions, Ion Ch	romatography - Soli	uble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218	4.98	mg/Kg			03/23/21 14:24	1

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc. Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-13 **Client Sample ID: FS19**

Date Collected: 03/18/21 10:50 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/29/21 16:08	03/30/21 05:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			03/29/21 16:08	03/30/21 05:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130			03/29/21 16:08	03/30/21 05:27	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9	mg/Kg		03/26/21 14:06	03/27/21 20:00	1
Total TPH	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 20:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 20:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			03/26/21 14:06	03/27/21 20:00	1
o-Terphenvl	104		70 - 130			03/26/21 14:06	03/27/21 20:00	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209	4.95	mg/Kg			03/23/21 14:40	1

Lab Sample ID: 890-395-14 **Client Sample ID: FS20** Date Collected: 03/18/21 11:05 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
Xylenes, Total	< 0.00401	U	0.00401	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/30/21 05:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/29/21 16:08	03/30/21 05:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130			03/29/21 16:08	03/30/21 05:48	1

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <49.8 U *+ 03/26/21 14:06 03/27/21 20:22 Gasoline Range Organics 49.8 mg/Kg (GRO)-C6-C10 Total TPH <49.8 U 49.8 mg/Kg 03/26/21 14:06 03/27/21 20:22

Client: WSP USA Inc.

Job ID: 890-395-1

SDC: Still Date 04/07/2024

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Client Sample ID: FS20 Lab Sample ID: 890-395-14

Date Collected: 03/18/21 11:05

Date Received: 03/18/21 16:53

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 20:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/26/21 14:06	03/27/21 20:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130			03/26/21 14:06	03/27/21 20:22	1
o-Terphenyl	106		70 - 130			03/26/21 14:06	03/27/21 20:22	1

Method: 300.0 - Anions, Ion Ch	nromatograph	y - Soluble						
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	203	5.02	mg/Kg			03/23/21 14:45	1	

Client Sample ID: FS21 Lab Sample ID: 890-395-15

Date Collected: 03/18/21 11:09

Matrix: Solid

Date Received: 03/18/21 16:53

Chloride

Method: 8021B - Volatile Organic Compounds (GC)

	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	mg/Kg		03/29/21 16:37	03/30/21 09:25	
Toluene	< 0.00200	U F1 F2	0.00200	mg/Kg		03/29/21 16:37	03/30/21 09:25	
Ethylbenzene	<0.00200	U F1 F2	0.00200	mg/Kg		03/29/21 16:37	03/30/21 09:25	
m-Xylene & p-Xylene	< 0.00399	U F1 F2	0.00399	mg/Kg		03/29/21 16:37	03/30/21 09:25	
o-Xylene	<0.00200	U F1 F2	0.00200	mg/Kg		03/29/21 16:37	03/30/21 09:25	
Xylenes, Total	< 0.00399	U F1 F2	0.00399	mg/Kg		03/29/21 16:37	03/30/21 09:25	
Total BTEX	<0.00200	U F1 F2	0.00200	mg/Kg		03/29/21 16:37	03/30/21 09:25	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130			03/29/21 16:37	03/30/21 09:25	
1,4-Difluorobenzene (Surr)	101		70 - 130			03/29/21 16:37	03/30/21 09:25	
			•		_			
Method: 8015B NM - Diesel R Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Gasoline Range Organics		Qualifier	•	Unit mg/Kg	<u>D</u>		Analyzed 03/27/21 20:43	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U *+	RL 49.9	mg/Kg	<u>D</u>	03/26/21 14:06	03/27/21 20:43	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH	Result <49.9 <49.9	Qualifier U *+ U	RL 49.9	mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06	03/27/21 20:43 03/27/21 20:43	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over	Result <49.9	Qualifier U *+ U	RL 49.9	mg/Kg	<u> </u>	03/26/21 14:06 03/26/21 14:06	03/27/21 20:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH	Result <49.9 <49.9	Qualifier U *+ U U	RL 49.9	mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 20:43 03/27/21 20:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9 <49.9	Qualifier U*+ U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 20:43 03/27/21 20:43 03/27/21 20:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9 <49.9	Qualifier U*+ U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared	03/27/21 20:43 03/27/21 20:43 03/27/21 20:43 03/27/21 20:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U*+ U U	RL 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared 03/26/21 14:06	03/27/21 20:43 03/27/21 20:43 03/27/21 20:43 03/27/21 20:43 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U*+ U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared 03/26/21 14:06	03/27/21 20:43 03/27/21 20:43 03/27/21 20:43 03/27/21 20:43 Analyzed 03/27/21 20:43	

03/23/21 14:50

5.03

mg/Kg

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11

13

14

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-16 **Client Sample ID: FS22**

Date Collected: 03/18/21 11:14 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 09:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			03/29/21 16:37	03/30/21 09:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/29/21 16:37	03/30/21 09:46	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:05	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:05	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/26/21 14:06	03/27/21 21:05	1
o-Terphenyl	89		70 - 130			03/26/21 14:06	03/27/21 21:05	1

Method: 300.0 - Anions, Ion C	hromatography - Solut	ole					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107	4.99	mg/Kg			03/23/21 14:55	1

Lab Sample ID: 890-395-17 **Client Sample ID: BH01** Date Collected: 03/18/21 12:20 **Matrix: Solid** Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
Toluene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		03/29/21 16:37	03/30/21 10:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/29/21 16:37	03/30/21 10:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/29/21 16:37	03/30/21 10:06	1

Analyte Result Qualifier RL Unit Analyzed Gasoline Range Organics <49.9 U*+ 49.9 mg/Kg 03/26/21 14:06 03/27/21 21:27 (GRO)-C6-C10 Total TPH <49.9 U 49.9 mg/Kg 03/26/21 14:06 03/27/21 21:27

Client: WSP USA Inc. Project/Site: Ross Draw 25 N Battery

Job ID: 890-395-1 SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-17 **Client Sample ID: BH01**

Matrix: Solid

Date Collected: 03/18/21 12:20 Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 21:27	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/26/21 14:06	03/27/21 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			03/26/21 14:06	03/27/21 21:27	1
o-Terphenyl	87		70 - 130			03/26/21 14:06	03/27/21 21:27	1

Method: 300.0 - Anions, Ion Cl	hromatography	y - Soluble					
Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240	5.03	mg/Kg			03/23/21 15:00	1

Lab Sample ID: 890-395-18 **Client Sample ID: BH01A** Date Collected: 03/18/21 12:26 **Matrix: Solid**

Date Received: 03/18/21 16:53

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/29/21 16:37	03/30/21 10:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	fortecovery Qualifier	Liiiit	i repareu	Allalyzea	Diriac
4-Bromofluorobenzene (Surr)	113	70 - 130	03/29/21 16:37	03/30/21 10:26	1
1,4-Difluorobenzene (Surr)	101	70 - 130	03/29/21 16:37	03/30/21 10:26	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:48	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97	-	70 - 130			03/26/21 14:06	03/27/21 21:48	

Method: 300.0 - Anions, Ion Ch	romatography - Sol	uble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266	4.98	mg/Kg			03/23/21 15:05	1

70 - 130

97

Eurofins Xenco, Carlsbad

03/26/21 14:06 03/27/21 21:48

o-Terphenyl

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-395-1
Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Client Sample ID: FS16 Lab Sample ID: 890-395-19

Date Collected: 03/18/21 13:35 Matrix: Solid

Method: 8021B - Volatile Orga	_				_	_		
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:37	03/30/21 10:47	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/29/21 16:37	03/30/21 10:47	1
Ethylbenzene	< 0.00202	U	0.00202	mg/Kg		03/29/21 16:37	03/30/21 10:47	•
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/29/21 16:37	03/30/21 10:47	· · · · · · · ·
o-Xylene	< 0.00202	U	0.00202	mg/Kg		03/29/21 16:37	03/30/21 10:47	,
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/29/21 16:37	03/30/21 10:47	•
Total BTEX	<0.00202	U	0.00202	mg/Kg		03/29/21 16:37	03/30/21 10:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			03/29/21 16:37	03/30/21 10:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130			03/29/21 16:37	03/30/21 10:47	1
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)					
Method: 8015B NM - Diesel R	ange Organi	ics (DRO)	(GC)					
Analyte		Qualifier	(GC) RL 49.9	Unit ma/Kg	<u>D</u>	Prepared 03/26/21 14:06	Analyzed 03/27/21 22:10	Dil Fac
	Result	Qualifier	RL	<mark>Unit</mark> mg/Kg	<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U *+	RL		<u>D</u>	03/26/21 14:06		1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U *+ U	RL 49.9	mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06	03/27/21 22:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U*+ U U	RL 49.9	mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 22:10 03/27/21 22:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over	Result <49.9 <49.9 <49.9	Qualifier U*+ U U	RL 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 22:10 03/27/21 22:10 03/27/21 22:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9 <49.9	Qualifier U*+ U U	RL 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 03/27/21 22:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80	Qualifier U*+ U U	RL 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared	03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9 &	Qualifier U*+ U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg	<u> </u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared 03/26/21 14:06	03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 Analyzed 03/27/21 22:10	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 <49.9 <49.9 <49.9	Qualifier U*+ U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 03/26/21 14:06 Prepared 03/26/21 14:06	03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 03/27/21 22:10 Analyzed 03/27/21 22:10	Dil Fac

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Surrogate Recovery (Acceptance I
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-395-1	SW04	126	83	
90-395-2	SW05	116	100	
90-395-3	SW06	114	102	
90-395-4	SW07	115	98	
90-395-5	FS10	133 S1+	91	
90-395-6	FS11	115	101	
90-395-7	FS12	110	100	
90-395-8	FS13	113	103	
90-395-9	FS14	114	102	
90-395-10	FS15	112	99	
90-395-10	FS17	113	101	
90-395-11	FS18	120	94	
0-395-13	FS19	118	98	
90-395-13	FS20	117	98	
90-395-14	FS21	112	101	
90-395-15 90-395-15 MS	FS21	135 S1+	92	
00-395-15 MSD	FS21	106	98	
10-395-15 MSD 10-395-16	FS22	112	100	
0-395-10	BH01	117	103	
0-395-17	BH01A	113	101	
90-395-19	FS16	116	97	
CS 880-1024/1-A		101	99	
CS 880-1027/1-A	Lab Control Sample Lab Control Sample	101	98	
CSD 880-1027/1-A	Lab Control Sample Dup	103	98 101	
CSD 880-1024/2-A	Lab Control Sample Dup	105	101	
B 880-1024/5-A	Method Blank	100	96	
IB 880-1027/5-A	Method Blank	103	98	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Percen	t Surrogate Recover
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-395-1	SW04	91	86	
890-395-1 MS	SW04	81	66 S1-	
890-395-1 MSD	SW04	91	76	
890-395-2	SW05	77	73	
890-395-3	SW06	82	82	
890-395-4	SW07	76	76	
890-395-5	FS10	78	80	
890-395-6	FS11	83	81	
890-395-7	FS12	85	85	
890-395-8	FS13	88	91	
890-395-9	FS14	94	93	
890-395-10	FS15	88	88	

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Surrogate Summary

Job ID: 890-395-1 Client: WSP USA Inc. Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

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

Prep Type: Total/NA Matrix: Solid

			Percen	nt Surrogate Recovery (Acceptance I
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-395-11	FS17	85	91	
890-395-12	FS18	89	92	
890-395-13	FS19	102	104	
890-395-14	FS20	111	106	
890-395-15	FS21	88	90	
890-395-16	FS22	88	89	
890-395-17	BH01	88	87	
890-395-18	BH01A	97	97	
890-395-19	FS16	83	82	
LCS 880-908/2-A	Lab Control Sample	98	85	
LCSD 880-908/3-A	Lab Control Sample Dup	101	85	
MB 880-908/1-A	Method Blank	84	81	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1024/5-A

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1024

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/29/21 16:08	03/29/21 21:21	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/29/21 16:08	03/29/21 21:21	1

MB MB

Surrogate	%Recovery	Qualifier L	.imits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 ₋ 130	03/29/21 16:08	03/29/21 21:21	1
1,4-Difluorobenzene (Surr)	96	7	'0 ₋ 130	03/29/21 16:08	03/29/21 21:21	1

Lab Sample ID: LCS 880-1024/1-A

Matrix: Solid

Analysis Batch: 1023

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Batch: 1024

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.1092 70 - 130 mg/Kg 109 Toluene 0.100 0.1104 mg/Kg 70 - 130 110 Ethylbenzene 0.100 mg/Kg 0.1148 115 70 - 130 m-Xylene & p-Xylene 0.200 0.2316 mg/Kg 116 70 - 130 0.100 0.1120 70 - 130 o-Xylene mg/Kg 112

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1.4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-1024/2-A

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1024

	Spike	LCSD LCSD			%Rec.		RPD
Analyte	Added	Result Qualifier	Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.1157	mg/Kg	116	70 - 130	6	35
Toluene	0.100	0.1176	mg/Kg	118	70 - 130	6	35
Ethylbenzene	0.100	0.1203	mg/Kg	120	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2452	mg/Kg	123	70 - 130	6	35
o-Xylene	0.100	0.1183	mg/Kg	118	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qualifier	r Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: MB 880-1027/5-A

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1027

MB MB Analyte Result Qualifier Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 03/29/21 16:37 03/30/21 08:56

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

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

Lab Sample ID: MB 880-1027/5-A

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 1027

	MR M	MR						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200 U	J	0.00200	mg/Kg		03/29/21 16:37	03/30/21 08:56	1
Ethylbenzene	<0.00200 L	J	0.00200	mg/Kg		03/29/21 16:37	03/30/21 08:56	1
m-Xylene & p-Xylene	<0.00400 L	j	0.00400	mg/Kg		03/29/21 16:37	03/30/21 08:56	1
o-Xylene	<0.00200 L	J	0.00200	mg/Kg		03/29/21 16:37	03/30/21 08:56	1
Xylenes, Total	<0.00400 L	J	0.00400	mg/Kg		03/29/21 16:37	03/30/21 08:56	1
Total BTEX	<0.00200 L	j	0.00200	mg/Kg		03/29/21 16:37	03/30/21 08:56	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 101 70 - 130 03/29/21 16:37 03/30/21 08:56 70 - 130 03/29/21 16:37 03/30/21 08:56 1,4-Difluorobenzene (Surr) 98

Lab Sample ID: LCS 880-1027/1-A

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 1027

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.1026 mg/Kg 103 70 - 130 Toluene 0.100 70 - 130 0.1040 mg/Kg 104 Ethylbenzene 0.100 0.1053 mg/Kg 105 70 - 130 m-Xylene & p-Xylene 0.200 0.2127 mg/Kg 106 70 - 130 mg/Kg o-Xylene 0.100 0.1062 106 70 - 130

LCS LCS Limits Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 98 70 - 130

Lab Sample ID: LCSD 880-1027/2-A

Matrix: Solid

Analysis Batch: 1023

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

Prep Batch: 1027

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1110		mg/Kg		111	70 - 130	8	35
Toluene	0.100	0.1121		mg/Kg		112	70 - 130	7	35
Ethylbenzene	0.100	0.1141		mg/Kg		114	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2316		mg/Kg		116	70 - 130	8	35
o-Xylene	0.100	0.1156		mg/Kg		116	70 - 130	9	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-395-15 MS

Matrix: Solid

Analysis Batch: 1023

Client Sample ID: FS21 Prep Type: Total/NA Prep Batch: 1027

_	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 F2	0.0998	0.01747	F1	mg/Kg		18	70 - 130	
Toluene	<0.00200	U F1 F2	0.0998	0.01912	F1	mg/Kg		19	70 - 130	

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Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

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

Lab Sample ID: 890-395-15 MS Client Sample ID: FS21 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 1023** Prep Batch: 1027

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.02577	F1	mg/Kg		26	70 - 130	
m-Xylene & p-Xylene	< 0.00399	U F1 F2	0.200	0.04896	F1	mg/Kg		25	70 - 130	
o-Xylene	<0.00200	U F1 F2	0.0998	0.02591	F1	mg/Kg		26	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits S1+ 70 - 130 4-Bromofluorobenzene (Surr) 135 1,4-Difluorobenzene (Surr) 70 - 130 92

Lab Sample ID: 890-395-15 MSD Matrix: Solid

Analysis Batch: 1023

Analysis Batch: 1023									Prep	Batch:	1027
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.101	0.06520	F1 F2	mg/Kg		65	70 - 130	115	35
Toluene	<0.00200	U F1 F2	0.101	0.06788	F1 F2	mg/Kg		67	70 - 130	112	35
Ethylbenzene	<0.00200	U F1 F2	0.101	0.07234	F2	mg/Kg		72	70 - 130	95	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.202	0.1480	F2	mg/Kg		73	70 - 130	101	35
o-Xylene	<0.00200	U F1 F2	0.101	0.07312	F2	mg/Kg		73	70 - 130	95	35

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130 1,4-Difluorobenzene (Surr) 98 70 - 130

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

Lab Sample ID: MB 880-908/1-A **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 946** Prep Batch: 908

	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		03/26/21 14:06	03/27/21 13:23	1
Total TPH	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 13:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 13:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/26/21 14:06	03/27/21 13:23	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 03/26/21 14:06 03/27/21 13:23 1-Chlorooctane 84 70 - 130 03/26/21 14:06 03/27/21 13:23 o-Terphenyl 81 70 - 130

Lab Sample ID: LCS 880-908/2-A **Client Sample ID: Lab Control Sample**

Analysis Batch: 946

Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit %Rec Gasoline Range Organics 1000 1264 mg/Kg 126 70 - 130

(GRO)-C6-C10

Matrix: Solid

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Prep Type: Total/NA

Prep Batch: 908

Client Sample ID: FS21

Prep Type: Total/NA

QC Sample Results

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

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

Lab Sample ID: LCS 880-908/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 946** Prep Batch: 908

LCS LCS Spike %Rec. Added Result Qualifier Unit %Rec Limits Diesel Range Organics (Over 1000 833.5 mg/Kg 83 70 - 130

C10-C28)

LCS LCS Surrogate Qualifier Limits %Recovery 1-Chlorooctane 98 70 - 130 o-Terphenyl 85 70 - 130

Lab Sample ID: LCSD 880-908/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 946

Prep Batch: 908 LCSD LCSD RPD Spike %Rec. Result Qualifier Limits RPD Limit **Analyte** Added Unit D %Rec Gasoline Range Organics 1000 1393 139 70 - 130 10 20 mg/Kg (GRO)-C6-C10 1000 20 Diesel Range Organics (Over 856.0 mg/Kg 86 70 - 130 3 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 101 o-Terphenyl 85 70 - 130

Lab Sample ID: 890-395-1 MS Client Sample ID: SW04 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 946 Prep Batch: 908

Spike MS MS Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.9 U*+ 1000 1062 mg/Kg 106 70 - 130 (GRO)-C6-C10 1000 716.5 Diesel Range Organics (Over <49.9 U mg/Kg 72 70 - 130

C10-C28)

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 81 70 - 130 o-Terphenyl 66 S1-70 - 130

Client Sample ID: SW04 Lab Sample ID: 890-395-1 MSD **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 946** Prep Batch: 908

Sample Sample Spike MSD MSD %Rec. **RPD** Analyte Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics <49.9 U*+ 998 1117 mg/Kg 112 70 - 130 5 20 (GRO)-C6-C10 998 <49.9 U 813.0 81 70 - 130 20 Diesel Range Organics (Over mg/Kg 13

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	76		70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: FS15

Client Sample ID: FS15

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client: WSP USA Inc. Job ID: 890-395-1 Project/Site: Ross Draw 25 N Battery SDG: Spill Date 01/07/2021

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-679/1-A

Matrix: Solid

Analysis Batch: 757

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 5.00 03/23/21 12:35 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-679/2-A

Matrix: Solid

Analysis Batch: 757

Spike LCS LCS %Rec. Added Result Qualifier Unit D %Rec Limits Analyte 250 90 - 110 Chloride 2617 mg/Kg 105

Lab Sample ID: LCSD 880-679/3-A

Matrix: Solid

Analysis Batch: 757

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits **RPD** Analyte Unit D %Rec Limit Chloride 250 241.1 96 20 mg/Kg

Lab Sample ID: 890-395-10 MS

Matrix: Solid

Analysis Batch: 757

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 250 486.1 251 mg/Kg 90 - 110

Lab Sample ID: 890-395-10 MSD

Matrix: Solid

Analysis Batch: 757

MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec **RPD** Limit Chloride 251 250 520.7 108 90 - 110 mg/Kg

Lab Sample ID: MB 880-678/1-A

Matrix: Solid

Analysis Batch: 764

MB MB

Result Qualifier Analyte

RL Unit Analyzed Dil Fac Prepared <5.00 5.00 03/23/21 21:40 Chloride U mg/Kg

Lab Sample ID: LCS 880-678/2-A

Matrix: Solid

Analysis Batch: 764

Spike LCS LCS %Rec. Added Analyte Result Qualifier Limits Unit %Rec Chloride 250 249.5 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-678/3-A

Released to Imaging: 7/9/2021 9:02:30 AM

Matrix: Solid

Analysis Batch: 764

Spike LCSD LCSD %Rec. **RPD RPD** Added Result Qualifier Limits Analyte Unit D %Rec Limit Chloride 250 90 - 110 246.7 mg/Kg 99 20

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Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

GC VOA

Analysis Batch: 1023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Total/NA	Solid	8021B	1024
890-395-2	SW05	Total/NA	Solid	8021B	1024
890-395-3	SW06	Total/NA	Solid	8021B	1024
890-395-4	SW07	Total/NA	Solid	8021B	1024
890-395-5	FS10	Total/NA	Solid	8021B	1024
890-395-6	FS11	Total/NA	Solid	8021B	1024
890-395-7	FS12	Total/NA	Solid	8021B	1024
890-395-8	FS13	Total/NA	Solid	8021B	1024
890-395-9	FS14	Total/NA	Solid	8021B	1024
890-395-10	FS15	Total/NA	Solid	8021B	1024
890-395-11	FS17	Total/NA	Solid	8021B	1024
890-395-12	FS18	Total/NA	Solid	8021B	1024
890-395-13	FS19	Total/NA	Solid	8021B	1024
890-395-14	FS20	Total/NA	Solid	8021B	1024
890-395-15	FS21	Total/NA	Solid	8021B	1027
890-395-16	FS22	Total/NA	Solid	8021B	1027
890-395-17	BH01	Total/NA	Solid	8021B	1027
890-395-18	BH01A	Total/NA	Solid	8021B	1027
890-395-19	FS16	Total/NA	Solid	8021B	1027
MB 880-1024/5-A	Method Blank	Total/NA	Solid	8021B	1024
MB 880-1027/5-A	Method Blank	Total/NA	Solid	8021B	1027
LCS 880-1024/1-A	Lab Control Sample	Total/NA	Solid	8021B	1024
LCS 880-1027/1-A	Lab Control Sample	Total/NA	Solid	8021B	1027
LCSD 880-1024/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1024
LCSD 880-1027/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1027
890-395-15 MS	FS21	Total/NA	Solid	8021B	1027
890-395-15 MSD	FS21	Total/NA	Solid	8021B	1027

Prep Batch: 1024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Total/NA	Solid	5035	
890-395-2	SW05	Total/NA	Solid	5035	
890-395-3	SW06	Total/NA	Solid	5035	
890-395-4	SW07	Total/NA	Solid	5035	
890-395-5	FS10	Total/NA	Solid	5035	
890-395-6	FS11	Total/NA	Solid	5035	
890-395-7	FS12	Total/NA	Solid	5035	
890-395-8	FS13	Total/NA	Solid	5035	
890-395-9	FS14	Total/NA	Solid	5035	
890-395-10	FS15	Total/NA	Solid	5035	
890-395-11	FS17	Total/NA	Solid	5035	
890-395-12	FS18	Total/NA	Solid	5035	
890-395-13	FS19	Total/NA	Solid	5035	
890-395-14	FS20	Total/NA	Solid	5035	
MB 880-1024/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1024/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1024/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1027

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-15	FS21	Total/NA	Solid	5035	

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2/24/2024

Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

GC VOA (Continued)

Prep Batch: 1027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-16	FS22	Total/NA	Solid	5035	
890-395-17	BH01	Total/NA	Solid	5035	
890-395-18	BH01A	Total/NA	Solid	5035	
890-395-19	FS16	Total/NA	Solid	5035	
MB 880-1027/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1027/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1027/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-395-15 MS	FS21	Total/NA	Solid	5035	
890-395-15 MSD	FS21	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Total/NA	Solid	8015NM Prep	
890-395-2	SW05	Total/NA	Solid	8015NM Prep	
890-395-3	SW06	Total/NA	Solid	8015NM Prep	
890-395-4	SW07	Total/NA	Solid	8015NM Prep	
890-395-5	FS10	Total/NA	Solid	8015NM Prep	
890-395-6	FS11	Total/NA	Solid	8015NM Prep	
890-395-7	FS12	Total/NA	Solid	8015NM Prep	
890-395-8	FS13	Total/NA	Solid	8015NM Prep	
890-395-9	FS14	Total/NA	Solid	8015NM Prep	
890-395-10	FS15	Total/NA	Solid	8015NM Prep	
890-395-11	FS17	Total/NA	Solid	8015NM Prep	
890-395-12	FS18	Total/NA	Solid	8015NM Prep	
890-395-13	FS19	Total/NA	Solid	8015NM Prep	
890-395-14	FS20	Total/NA	Solid	8015NM Prep	
890-395-15	FS21	Total/NA	Solid	8015NM Prep	
890-395-16	FS22	Total/NA	Solid	8015NM Prep	
890-395-17	BH01	Total/NA	Solid	8015NM Prep	
890-395-18	BH01A	Total/NA	Solid	8015NM Prep	
890-395-19	FS16	Total/NA	Solid	8015NM Prep	
MB 880-908/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-908/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-395-1 MS	SW04	Total/NA	Solid	8015NM Prep	
890-395-1 MSD	SW04	Total/NA	Solid	8015NM Prep	

Analysis Batch: 946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Total/NA	Solid	8015B NM	908
890-395-2	SW05	Total/NA	Solid	8015B NM	908
890-395-3	SW06	Total/NA	Solid	8015B NM	908
890-395-4	SW07	Total/NA	Solid	8015B NM	908
890-395-5	FS10	Total/NA	Solid	8015B NM	908
890-395-6	FS11	Total/NA	Solid	8015B NM	908
890-395-7	FS12	Total/NA	Solid	8015B NM	908
890-395-8	FS13	Total/NA	Solid	8015B NM	908
890-395-9	FS14	Total/NA	Solid	8015B NM	908
890-395-10	FS15	Total/NA	Solid	8015B NM	908

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Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

GC Semi VOA (Continued)

Analysis Batch: 946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-11	FS17	Total/NA	Solid	8015B NM	908
890-395-12	FS18	Total/NA	Solid	8015B NM	908
890-395-13	FS19	Total/NA	Solid	8015B NM	908
890-395-14	FS20	Total/NA	Solid	8015B NM	908
890-395-15	FS21	Total/NA	Solid	8015B NM	908
890-395-16	FS22	Total/NA	Solid	8015B NM	908
890-395-17	BH01	Total/NA	Solid	8015B NM	908
890-395-18	BH01A	Total/NA	Solid	8015B NM	908
890-395-19	FS16	Total/NA	Solid	8015B NM	908
MB 880-908/1-A	Method Blank	Total/NA	Solid	8015B NM	908
LCS 880-908/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	908
LCSD 880-908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	908
890-395-1 MS	SW04	Total/NA	Solid	8015B NM	908
890-395-1 MSD	SW04	Total/NA	Solid	8015B NM	908

HPLC/IC

Leach Batch: 678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Soluble	Solid	DI Leach	
890-395-2	SW05	Soluble	Solid	DI Leach	
890-395-3	SW06	Soluble	Solid	DI Leach	
890-395-4	SW07	Soluble	Solid	DI Leach	
890-395-5	FS10	Soluble	Solid	DI Leach	
890-395-6	FS11	Soluble	Solid	DI Leach	
890-395-7	FS12	Soluble	Solid	DI Leach	
890-395-8	FS13	Soluble	Solid	DI Leach	
MB 880-678/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-678/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-678/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-9	FS14	Soluble	Solid	DI Leach	
890-395-10	FS15	Soluble	Solid	DI Leach	
890-395-11	FS17	Soluble	Solid	DI Leach	
890-395-12	FS18	Soluble	Solid	DI Leach	
890-395-13	FS19	Soluble	Solid	DI Leach	
890-395-14	FS20	Soluble	Solid	DI Leach	
890-395-15	FS21	Soluble	Solid	DI Leach	
890-395-16	FS22	Soluble	Solid	DI Leach	
890-395-17	BH01	Soluble	Solid	DI Leach	
890-395-18	BH01A	Soluble	Solid	DI Leach	
890-395-19	FS16	Soluble	Solid	DI Leach	
MB 880-679/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-679/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-395-10 MS	FS15	Soluble	Solid	DI Leach	
890-395-10 MSD	FS15	Soluble	Solid	DI Leach	

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Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

HPLC/IC

Analysis Batch: 757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-9	FS14	Soluble	Solid	300.0	679
890-395-10	FS15	Soluble	Solid	300.0	679
890-395-11	FS17	Soluble	Solid	300.0	679
890-395-12	FS18	Soluble	Solid	300.0	679
890-395-13	FS19	Soluble	Solid	300.0	679
890-395-14	FS20	Soluble	Solid	300.0	679
890-395-15	FS21	Soluble	Solid	300.0	679
890-395-16	FS22	Soluble	Solid	300.0	679
890-395-17	BH01	Soluble	Solid	300.0	679
890-395-18	BH01A	Soluble	Solid	300.0	679
890-395-19	FS16	Soluble	Solid	300.0	679
MB 880-679/1-A	Method Blank	Soluble	Solid	300.0	679
LCS 880-679/2-A	Lab Control Sample	Soluble	Solid	300.0	679
LCSD 880-679/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	679
890-395-10 MS	FS15	Soluble	Solid	300.0	679
890-395-10 MSD	FS15	Soluble	Solid	300.0	679

Analysis Batch: 764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-395-1	SW04	Soluble	Solid	300.0	678
890-395-2	SW05	Soluble	Solid	300.0	678
890-395-3	SW06	Soluble	Solid	300.0	678
890-395-4	SW07	Soluble	Solid	300.0	678
890-395-5	FS10	Soluble	Solid	300.0	678
890-395-6	FS11	Soluble	Solid	300.0	678
890-395-7	FS12	Soluble	Solid	300.0	678
890-395-8	FS13	Soluble	Solid	300.0	678
MB 880-678/1-A	Method Blank	Soluble	Solid	300.0	678
LCS 880-678/2-A	Lab Control Sample	Soluble	Solid	300.0	678
LCSD 880-678/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	678

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Client Sample ID: SW04

Date Collected: 03/18/21 08:56 Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/29/21 23:53	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 14:30	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/23/21 23:28	WP	XM

Client Sample ID: SW05

Date Collected: 03/18/21 09:01 Date Received: 03/18/21 16:53 Lab Sample ID: 890-395-2

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 00:13	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 15:37	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/23/21 23:44	WP	XM

Client Sample ID: SW06

Date Collected: 03/18/21 09:07

Date Received: 03/18/21 16:53

₋ab Sample	e ID: 89	90-395-3
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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			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 00:33	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 16:03	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/23/21 23:49	WP	XM

Client Sample ID: SW07

Date Collected: 03/18/21 09:12

Date Received: 03/18/21 16:53

L	_a	b	Sa	ım	рl	le	ID	:	8	9	0-	3	9	5-	4	
								_	_		_		_		_	

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 00:54	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 16:25	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/23/21 23:54	WP	XM

Client Sample ID: FS10

Project/Site: Ross Draw 25 N Battery

Lab Sample ID: 890-395-5

Date Collected: 03/18/21 10:01 **Matrix: Solid** Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 02:44	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 16:46	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	CH	XM
Soluble	Analysis	300.0		1	764	03/24/21 00:00	WP	XM

Client Sample ID: FS11 Lab Sample ID: 890-395-6 Date Collected: 03/18/21 10:05 **Matrix: Solid**

Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 03:04	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 17:08	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	CH	XM
Soluble	Analysis	300.0		1	764	03/24/21 00:05	WP	XM

Client Sample ID: FS12 Lab Sample ID: 890-395-7

Date Collected: 03/18/21 10:09 **Matrix: Solid** Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 03:25	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 17:29	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/24/21 00:10	WP	XM

Client Sample ID: FS13 Lab Sample ID: 890-395-8

Date Collected: 03/18/21 10:15 Matrix: Solid Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 03:45	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 17:50	AJ	XM
Soluble	Leach	DI Leach			678	03/22/21 10:54	СН	XM
Soluble	Analysis	300.0		1	764	03/24/21 00:15	WP	XM

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Released to Imaging: 7/9/2021 9:02:30 AM

SDG: Spill Date 01/07/2021

Client Sample ID: FS14

Lab Sample ID: 890-395-9

Date Collected: 03/18/21 10:19 Date Received: 03/18/21 16:53

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 04:06	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 18:12	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 13:58	WP	XM

Lab Sample ID: 890-395-10

Date Collected: 03/18/21 10:24 Date Received: 03/18/21 16:53

Client Sample ID: FS15

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 04:26	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 18:33	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:03	WP	XM

Client Sample ID: FS17 Lab Sample ID: 890-395-11 Date Collected: 03/18/21 10:41

Matrix: Solid

Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 04:46	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 19:17	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	СН	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:19	WP	XM

Client Sample ID: FS18 Lab Sample ID: 890-395-12 Date Collected: 03/18/21 10:46

Date Received: 03/18/21 16:53

•	Matrix:	Solid	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 05:07	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 19:38	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:24	WP	XM

Lab Chronicle

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-395-1

SDG: Spill Date 01/07/2021

Client Sample ID: FS19

Date Collected: 03/18/21 10:50 Date Received: 03/18/21 16:53

Lab Sample ID: 890-395-13

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 05:27	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 20:00	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	СН	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:40	WP	XM

Client Sample ID: FS20 Lab Sample ID: 890-395-14 Date Collected: 03/18/21 11:05 **Matrix: Solid**

Date Received: 03/18/21 16:53

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1024	03/29/21 16:08	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 05:48	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 20:22	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:45	WP	XM

Client Sample ID: FS21 Lab Sample ID: 890-395-15

Date Collected: 03/18/21 11:09 **Matrix: Solid** Date Received: 03/18/21 16:53

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1027	03/29/21 16:37	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 09:25	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 20:43	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:50	WP	XM

Client Sample ID: FS22 Lab Sample ID: 890-395-16

Date Collected: 03/18/21 11:14 Matrix: Solid Date Received: 03/18/21 16:53

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1027	03/29/21 16:37	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 09:46	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 21:05	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	СН	XM
Soluble	Analysis	300.0		1	757	03/23/21 14:55	WP	XM

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Date Received: 03/18/21 16:53

Job ID: 890-395-1

SDG: Spill Date 01/07/2021

Lab Sample ID: 890-395-17

Matrix: Solid

Client Sample ID: BH01 Date Collected: 03/18/21 12:20

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1027	03/29/21 16:37	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 10:06	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 21:27	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	СН	XM
Soluble	Analysis	300.0		1	757	03/23/21 15:00	WP	XM

Lab Sample ID: 890-395-18

Matrix: Solid

Client Sample ID: BH01A Date Collected: 03/18/21 12:26 Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1027	03/29/21 16:37	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 10:26	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 21:48	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	CH	XM
Soluble	Analysis	300.0		1	757	03/23/21 15:05	WP	XM

Client Sample ID: FS16 Lab Sample ID: 890-395-19 Date Collected: 03/18/21 13:35

Matrix: Solid

Date Received: 03/18/21 16:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1027	03/29/21 16:37	MR	XM
Total/NA	Analysis	8021B		1	1023	03/30/21 10:47	MR	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 22:10	AJ	XM
Soluble	Leach	DI Leach			679	03/22/21 10:57	СН	XM
Soluble	Analysis	300.0		1	757	03/23/21 15:11	WP	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-395-1

Project/Site: Ross Draw 25 N Battery

SDG: Spill Date 01/07/2021

Laboratory: Eurofins Xenco, Midland

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-20-21	06-30-21
The following analyte	s are included in this rep	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for
the agency does not	•	,,,	iot contined by the governing duthenty.	This list may include analytes for
	•	Matrix	Analyte	This list may include analytes for
the agency does not o	offer certification.	•	, , ,	This list may include unarytes for

Method Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-395-1

SDG: Spill Date 01/07/2021

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

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:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

FS16

890-395-19

Job ID: 890-395-1 SDG: Spill Date 01/07/2021

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-395-1	SW04	Solid	03/18/21 08:56	03/18/21 16:53
890-395-2	SW05	Solid	03/18/21 09:01	03/18/21 16:53
890-395-3	SW06	Solid	03/18/21 09:07	03/18/21 16:53
890-395-4	SW07	Solid	03/18/21 09:12	03/18/21 16:53
890-395-5	FS10	Solid	03/18/21 10:01	03/18/21 16:53
890-395-6	FS11	Solid	03/18/21 10:05	03/18/21 16:53
890-395-7	FS12	Solid	03/18/21 10:09	03/18/21 16:53
890-395-8	FS13	Solid	03/18/21 10:15	03/18/21 16:53
890-395-9	FS14	Solid	03/18/21 10:19	03/18/21 16:53
890-395-10	FS15	Solid	03/18/21 10:24	03/18/21 16:53
890-395-11	FS17	Solid	03/18/21 10:41	03/18/21 16:53
890-395-12	FS18	Solid	03/18/21 10:46	03/18/21 16:53
890-395-13	FS19	Solid	03/18/21 10:50	03/18/21 16:53
890-395-14	FS20	Solid	03/18/21 11:05	03/18/21 16:53
890-395-15	FS21	Solid	03/18/21 11:09	03/18/21 16:53
890-395-16	FS22	Solid	03/18/21 11:14	03/18/21 16:53
890-395-17	BH01	Solid	03/18/21 12:20	03/18/21 16:53
890-395-18	BH01A	Solid	03/18/21 12:26	03/18/21 16:53

Solid

03/18/21 13:35 03/18/21 16:53

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			Chain of Custody	*****		
XEND	O Ho	ston,TX (281) 240-4200	Dallas,TX (214) 902-0300	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334		
LABORATOR	Hobbs, NM (575	-392-7550) Phoenix,AZ	(480-355-0900) Atlanta,GA	Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)	www.xenco.com	Page of
Project Manager: Dan Moir		Bill to: (if different)	Kyle Littrell		Work Order Comments	nments
Company Name: WSP USA		Company Name:	XTO Energy		Program: UST/PST ☐RP ☐rownfields	ds [RC * perfund ☐
Address: 3300 North A Street	Street	Address:	522 W. Mermod St.		State of Project:	
City, State ZIP: Midland, TX 79705	9705	City, State ZIP:	Carlsbad, NM 88220		Reporting:Level II	
Phone: (432) 236-3849		nail: Jeremy.Hill@wsp	Email: Jeremy.Hill@wsp.com, Dan.Moir@wsp.com	m	Deliverables: EDD ADaPT	Other:
استورا کوی الاستار الامی الامی	25 N B-14-7600	Turn Around		ANALYSIS REQUEST		Work Order Notes
ar TEO		Routine P			2	105/75/00/
	1-7-21	Rush:				91, 66 2120
ne:	Jeremy Hill D	Due Date:			30	30-015-45595
SAMPLE RECEIPT Te	Temp Blank: (Yes) No Wet	Wet Ice: Yes No			T.	*
Temperature (°C): 5-8	5.0 Ibermometer ID				**************************************	CAR 3101333695
Received Intact:	DNO CTV/M		021)		Distock Color Times	
Yes	N/A	0	8015 \ 0=8	890-090 Chall of Carry	- \	TAT starts the day recevied by the
Campic Custody Codis.			EPA			
Sample Identification	Matrix Date Time Sampled	Depth Numb	TPH (E			Sample Comments
SUOU	5 3/18/21 0856	6-0-01	8			Composite
Sw05	0901	├				
5006	05,07	7 00			-	
5007	6100	0-01				
P810	1001	2.61				
PS11	1005					
F517	1009	8				
FSIS	2101					
FSI4	5/01					
F518	Hepl A r	+	6			
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	œ	RCRA 13PPM Texas 11 / TCLP / SPLP 6010: 8RCRA	Al Sb As Ba Be B A Sb As Ba Be Cd	Cd Ca Cr Co Cu Fe Cr Co Cu Pb Mn Mo	Mn Mo Ni K Se Ag S Ag TI U	iO2 Na Sr Tl Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg
todice: 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 to the contract of the contract	quishment of samples constitutes a va	lid purchase order from cl	ient company to Xenco, its af	filiates and subcontractors. It assigns the client if such losses are due to	1	
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.	e applied to each project and a charge	of \$5 for each sample sub	omitted to Xenco, but not ana	yzed. These terms will be enforced	unless previously negotiated.	
Relinquished by: (Signature)	Received by; (Signature)	nature)	Date/Time	Relinquished by: (Signature)	ure) Received by: (Signature)	Date/Time
SMA	Use Cury	(4)	5. R.Z. 165	13		
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						2000

Chain of Custody

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		3.18.21	Received by: (Signature) Date/Time	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 citeric in such loss for each sample submitted to Xenco, but not analyzed. These terms will 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	onstitutes a valid purchase order from client company to Xen	TCLP / SPLP 6010: 8RCRA Sb As Ba		335	30'	10.1 0061	1774	1101	1105	1050	1046	3/18/21 1041 2.0 11 XX	Date Time Depth E	PA 8	Coi		No Wetter Yes No	Due Date:	Rush:	Routine (4)	Turn Around	Email: Jeremy.Hill@wsp.com, Dan.Moir@wsp.com	City, State ZIP: Carlsbad, NM 88220	Address: 522 W. Mermod St	Company Name: XTO Energy	Bill to: (if different) Kyle Littrell
o	4	1653	y: (Signature)	t 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 are the control of samples and shall not assume any responsibility for any losses presented by the client if such losses are due to circumstances beyond the control	Be Cd Cr Co Cu Pb Mn Mo Ni Se										×	Chlorid	le (El	PA 36	00.0}					ANALYSIS REQUEST	wsp.com Deliverables: EDD		od St. State of Project:	Program: UST/PST	
Revised Date 051418 Rev. 2018.1			Received by: (Signature) Date/Time	ly negotiated.	ns and conditions beyond the control	Ag TI U 1631/245.1/7470 /7471: Hg	Sign No State Shill V	Composite.	discrete	discrete	*					Carpes, to	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the	VARR 2101 33 30 TV	H.	30-015-45545	800	105/05/1001	Work Order Notes	s: EDD ADaPT Other:	∏evel III ☐\$T/UST ☐		JST/PST □RP □ rownfields □RC 1□ perfund	Work Order Comments

Chain of Custody Record

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Environment Testing

State, Zip: TX, 79701 FS13 (890-395-8) SW05 (890-395-2) SW04 (890-395-1) Empty Kit Relinquished by Deliverable Requested I II III, IV Other (specify) SW07 (890-395-4) SW06 (890-395-3) Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199 ossible Hazard Identification ⁻S14 (890-395-9) ⁻S12 (890-395-7) ²S11 (890-395-6) Sample Identification - Client ID (Lab ID) Ross Draw 25 N Battery \$32-704-5440(Tel) 1211 W Florida Ave elinquished by elinquished by LC attention immediately If all requested accreditations are current to date ote: 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 reminian 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 ³S10 (890-395-5) **hidland** urofins Xenco hipping/Receiving linquished by ient Information (Sub Contract Lab) Custody Seal No 0 return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. Project #: 89000004 Phone: Date/Time Sampler Jate/Time Primary Deliverable Rank. 2 SSOW#: WO# 0, TAT Requested (days) 3/18/21 3/18/21 3/18/21 3/18/21 3/18/21 3/18/21 3/18/21 3/18/21 3/18/21 Mountain 09 07 Date Mountain 09 12 Mountain 10 19 Mountain 10 09 Mountain 10 05 Mountain 10 01 Mountain 09 01 Mountain 10 15 Sample 08 56 G=grab) (C=comp, Sample Type Preservation Code: Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid E-Mail Lab PM jessica kramer@eurofinset.com
Accreditations Required (See note)
NELAP - Louisiana, NELAP - Texas Kramer, Jessica Ime Special Instructions/QC Requirements Perform MS/MSD (Yes or No) 8015MOD_NM/8015NM_S_Prep Full TPH Cooler Temperature(s) °C and Other Remarks Received by Received by × × × × × × × × × Return To Client × × × × × × × × × 300_ORGFM_28D/DI_LEACH Chloride × × × × × × × 8021B/5036FP_Calc BTEX × × Analysis Requested Disposal By Lab State of Origin New Mexico Carrier Tracking No(s): of Shipmen Archive For Total Number of containers A HCL
B-NaOH
C Zn Acetate
D Nitric Acid
E NaHSO4
F MeOH
G Amchor
H-Ascorbic Acid
I loe
J DI Water
K EDTA
L EDA Page 1 of 2 COC No: 890-117 1 Preservation Codes 890-395-1 Special Instructions/Note: If the laboratory does not currently should be brought to Eurofins Xenco Q Na2SO3
R Na2SO3
S-N2SO4
T TSP Dodecahydrate
U - Acetone
V MCAA
W - pH 4-5
Z other (specify) M - Hexane N None O - AsNaO2 P - Na2O45 Q Na2SO3 R Na2S2O3 Company Ver: 11/01/2020 Company

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75115

Custody Seals Intact: Custody Seal No	Relinquished by	Relinquished by	Relinquished by	Empty Kit Relinquished by	Deliverable Requested I, II, III, IV, Other (specify)	Possible Hazard Identification Unconfirmed	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.						FS18 (890-395-12)		Cample Identification - Cheff ID (Edd ID)	Gample Identification Client ID (1 of ID)	Site:	Project Name: Ross Draw 25 N Battery	Email	Phone: 432-704-5440(Tel)	State Zip: TX, 79701	City Midland	1211 W Florida Ave,	Eurofins Xenco	Shipping/Receiving	Client Information (Sub Contract Lab)	Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199	Eurofins Xenco, Carlsbad 1089 N Canal St.
	Date/Time:	Date/Time:	Date/Time:		Primary Deliverable Rank		places the ownership being analyzed, the s turn the signed Chain						3/18/21	N N	odilipie Date	7	SSOW#:	Project #: 89000004	WO#	PO#:	<u> </u>	TAT Requested (days)	Due Date Requested 3/25/2021		Phone:	Sampler		•
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					2		nalyte & accre be shipped bar esting to said							Preserve	G=grab)	Sample Type (C=comp,											Citalii oi castody Necola) ,
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				Time	Sp	Sa	ance upor ins Xenco Eurofins							×		ield Filtered erform MS/M			200	0)				Accredit NELA	E-Mail essica kramer@eurofinset.com	Lab PM Kramer, Jessica	/eco	
Cooler	Received by	Received by	Received by		Special Instructions/QC Requirements	Sample Disposal (A fee	n out sul LLC lat Xenco I						×		9	016MOD_NM/8								Accreditations Required (See note) NELAP - Louisiana NELAP - Texas	ner@e	ssica	2	2
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						are retained longer than 1 Archive For	of-custody If the laboution status should be b								Special Ins		Other [.]			r c Acid	D Nitric Acid E NaHSO4	Ď	on Cod	Job#: 890-395-1	Page: Page 1 of 1	COC No: 890-118 1		💸 eurofins
	Company	Company	Company			month) Months	ratory does not currently rought to Eurofins Xenco								Special Instructions/Note:			VV - pH 4-5 Z other (specify)	U - Acetone V MCAA	R NazSzO3 S - H2SO4 T TSP Dodecahydrate	P - Na204S Q - Na2SO3	M Hexane N None	es				America	Favironment Tecting

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-395-1 SDG Number: Spill Date 01/07/2021

List Source: Eurofins Carlsbad

Login Number: 395 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	N/A	

<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-395-1

SDG Number: Spill Date 01/07/2021

List Source: Eurofins Midland List Creation: 03/19/21 12:24 PM

Creator: Copeland, Tatiana

Login Number: 395

List Number: 2

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 <6mm (1/4").	True	

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-404-1

Laboratory Sample Delivery Group: TE012921016 Client Project/Site: Ross Draw 25 N Battery

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 4/2/2021 2:53:33 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

-----LINKS

results through

Review your project

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Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 7/9/2021 9:02:30 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: Ross Draw 25 N Battery

Laboratory Job ID: 890-404-1

SDG: TE012921016

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Definitions/Glossary

Job ID: 890-404-1 Client: WSP USA Inc. Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

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. 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

Duplicate Error Ratio (normalized absolute difference) DER

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) Most Probable Number MPN 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.

Job ID: 890-404-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

Job ID: 890-404-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-404-1

Comments

No additional comments.

Receipt

The samples were received on 3/22/2021 11:25 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 was 0.8° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS23 (890-404-1), FS24 (890-404-2), SW08 (890-404-3), SW09 (890-404-4) and FS25 (890-404-5).

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Client Sample Results

Client: WSP USA Inc.

Job ID: 890-404-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

Client Sample ID: FS23 Lab Sample ID: 890-404-1

Matrix: Solid

Date Collected: 03/22/21 08:27 Date Received: 03/22/21 11:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 20:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/31/21 10:45	04/01/21 20:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/31/21 10:45	04/01/21 20:20	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	<50.1	U	50.1	mg/Kg		03/31/21 13:39	04/01/21 20:58	1
Total TPH	<50.1	U	50.1	mg/Kg		03/31/21 13:39	04/01/21 20:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		03/31/21 13:39	04/01/21 20:58	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		03/31/21 13:39	04/01/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/31/21 13:39	04/01/21 20:58	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1820	25.3	mg/Kg			04/02/21 00:00	5

70 - 130

Client Sample ID: FS24 Lab Sample ID: 890-404-2 Date Collected: 03/22/21 08:31

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
Total BTEX	<0.00202	U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 20:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			03/31/21 10:45	04/01/21 20:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130			03/31/21 10:45	04/01/21 20:41	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 21:19	1

Eurofins Xenco, Carlsbad

04/01/21 21:19

49.9

mg/Kg

<49.9 U

03/31/21 13:39

03/31/21 13:39

04/01/21 20:58

Total TPH

Client Sample Results

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1

SDG: TE012921016

Client Sample ID: FS24

Date Collected: 03/22/21 08:31 Date Received: 03/22/21 11:25

Lab Sample ID: 890-404-2

Matrix: Solid

Method: 8015B NM - Diesel Range Organ	nics	(DRO)	(GC) (Continued	(k
	_			_

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 21:19	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/31/21 13:39	04/01/21 21:19	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane	101		70 - 130	03/31/21 13:	39 04/01/21 21:19	1
o-Terphenyl	96		70 - 130	03/31/21 13:	39 04/01/21 21:19	1
_						

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier

RL Unit Prepared Analyzed Dil Fac Chloride 2250 25.0 mg/Kg 04/02/21 00:05

Client Sample ID: SW08

Date Collected: 03/22/21 08:36 Date Received: 03/22/21 11:25

Lab Sample ID: 890-404-3

Matrix: Solid

Method: 8021B - Volatile Orga	inic Compounds (GC)						
Analyte	Result Qual	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202 U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
Ethylbenzene	<0.00202 U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
Toluene	<0.00202 U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
Total BTEX	<0.00202 U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
Xylenes, Total	<0.00404 U	0.00404	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
m-Xylene & p-Xylene	<0.00404 U	0.00404	mg/Kg		03/31/21 10:45	04/01/21 21:01	1
o-Xylene	<0.00202 U	0.00202	mg/Kg		03/31/21 10:45	04/01/21 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/31/21 10:45	04/01/21 21:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/31/21 10:45	04/01/21 21:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/31/21 13:39	04/01/21 21:40	1
Total TPH	<49.8	U	49.8	mg/Kg		03/31/21 13:39	04/01/21 21:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/31/21 13:39	04/01/21 21:40	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/31/21 13:39	04/01/21 21:40	1

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101	70 - 130	03/31/21 13:39	04/01/21 21:40	1
o-Terphenyl	95	70 - 130	03/31/21 13:39	04/01/21 21:40	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	678		25.0	mg/Kg			04/02/21 00:10	

Client Sample Results

Client: WSP USA Inc. Job ID: 890-404-1

Project/Site: Ross Draw 25 N Battery SDG: TE012921016

Client Sample ID: SW09 Lab Sample ID: 890-404-4

Date Collected: 03/22/21 08:43 Matrix: Solid Date Received: 03/22/21 11:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			03/31/21 10:45	04/01/21 21:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/31/21 10:45	04/01/21 21:21	1
Method: 8015B NM - Diesel Ranç Analyte	•		RL	Unit	D	Prepared	Analyzed	Dil Fac
		-0. (00)						
Analyte	Result	Qualifier			<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	•	Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared 03/31/21 13:39	Analyzed 04/01/21 22:01	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	03/31/21 13:39	04/01/21 22:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH	Result <50.0 <50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	03/31/21 13:39	04/01/21 22:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	03/31/21 13:39	04/01/21 22:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH	Result <50.0 <50.0	Qualifier U U U	50.0	mg/Kg	<u>D</u>	03/31/21 13:39	04/01/21 22:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/31/21 13:39 03/31/21 13:39 03/31/21 13:39	04/01/21 22:01 04/01/21 22:01 04/01/21 22:01	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 03/31/21 13:39	04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 04/01/21 22:01	1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0 <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	mg/Kg mg/Kg mg/Kg	<u> </u>	03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 Prepared	04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	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>	03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 Prepared 03/31/21 13:39	04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 Analyzed 04/01/21 22:01	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Total TPH Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) 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>	03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 03/31/21 13:39 Prepared 03/31/21 13:39	04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 04/01/21 22:01 Analyzed 04/01/21 22:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: FS25 Lab Sample ID: 890-404-5 Date Collected: 03/22/21 08:49

- Method: 8021B - Volatile Orga	inic Compounds ((GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/31/21 10:45	04/01/21 21:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/31/21 10:45	04/01/21 21:42	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/31/21 10:45	04/01/21 21:42	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 22:22	1

Eurofins Xenco, Carlsbad

04/01/21 22:22

03/31/21 13:39

49.9

mg/Kg

<49.9 U

Total TPH

Client Sample Results

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1

SDG: TE012921016

Client Sample ID: FS25

Lab Sample ID: 890-404-5

Date Collected: 03/22/21 08:49

Date Received: 03/22/21 11:25

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 22:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/31/21 13:39	04/01/21 22:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/31/21 13:39	04/01/21 22:22	1
o-Terphenyl	94		70 - 130			03/31/21 13:39	04/01/21 22:22	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.98	mg/Kg			04/02/21 00:30	

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Surrogate Summary

Client: WSP USA Inc. Job ID: 890-404-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

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)	
890-404-1	FS23	111	102	
890-404-1 MS	FS23	105	97	
890-404-1 MSD	FS23	102	100	
890-404-2	FS24	111	98	
890-404-3	SW08	113	101	
890-404-4	SW09	117	101	
890-404-5	FS25	112	102	
LCS 880-1098/1-A	Lab Control Sample	104	98	
LCSD 880-1098/2-A	Lab Control Sample Dup	103	100	
MB 880-1098/5-A	Method Blank	103	95	

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 L
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-404-1	FS23	101	92	
390-404-2	FS24	101	96	
890-404-3	SW08	101	95	
390-404-4	SW09	101	95	
390-404-5	FS25	98	94	
.CS 880-1108/2-A	Lab Control Sample	107	9 S1-	
_CSD 880-1108/3-A	Lab Control Sample Dup	107	10 S1-	
MB 880-1108/1-A	Method Blank	110	106	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1 SDG: TE012921016

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1098/5-A

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1098

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/31/21 10:45	04/01/21 19:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/31/21 10:45	04/01/21 19:51	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/31/21 10:	45 04/01/21 19:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/31/21 10:	45 04/01/21 19:51	1

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 1205

Lab Sample ID: LCS 880-1098/1-A

Lab Sample ID: LCSD 880-1098/2-A

Prep Type: Total/NA

Prep Batch: 1098

Spike	LCS	LCS				%Rec.	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.09595		mg/Kg	_	96	70 - 130	
0.100	0.1086		mg/Kg		109	70 - 130	
0.100	0.1018		mg/Kg		102	70 - 130	
0.200	0.2208		mg/Kg		110	70 - 130	
0.100	0.1079		mg/Kg		108	70 - 130	
	0.100 0.100 0.100 0.200	Added Result 0.100 0.09595 0.100 0.1086 0.100 0.1018 0.200 0.2208	Added Result Qualifier 0.100 0.09595 0.100 0.1086 0.100 0.1018 0.200 0.2208	Added Result Qualifier Unit 0.100 0.09595 mg/Kg 0.100 0.1086 mg/Kg 0.100 0.1018 mg/Kg 0.200 0.2208 mg/Kg	Added Result Qualifier Unit D 0.100 0.09595 mg/Kg 0.100 0.1086 mg/Kg 0.100 0.1018 mg/Kg 0.200 0.2208 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09595 mg/Kg 96 0.100 0.1086 mg/Kg 109 0.100 0.1018 mg/Kg 102 0.200 0.2208 mg/Kg 110	Added Result Qualifier Unit D %Rec Limits 0.100 0.09595 mg/Kg 96 70 - 130 0.100 0.1086 mg/Kg 109 70 - 130 0.100 0.1018 mg/Kg 102 70 - 130 0.200 0.2208 mg/Kg 110 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	98	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1098

Analysis Batch: 1205 Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1012 mg/Kg 101 70 - 130 5 35 Ethylbenzene 0.100 0.1104 mg/Kg 110 70 - 130 2 35 0.100 104 Toluene 0.1038 mg/Kg 70 - 130 35 0.200 0.2236 112 35 m-Xylene & p-Xylene mg/Kg 70 - 130 0.100 0.1099 110 70 - 130 35 o-Xylene mg/Kg

LCSD LCSD

Surrogate	%Recovery Qu	ualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-404-1 MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: FS23 Prep Type: Total/NA

Prep Batch: 1098

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.08607		mg/Kg		86	70 - 130	

Eurofins Xenco, Carlsbad

Released to Imaging: 7/9/2021 9:02:30 AM

QC Sample Results

Job ID: 890-404-1 Client: WSP USA Inc. Project/Site: Ross Draw 25 N Battery SDG: TE012921016

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

Lab Sample ID: 890-404-1 MS **Matrix: Solid**

Analysis Batch: 1205

Client Sample ID: FS23 Prep Type: Total/NA

Prep Batch: 1098

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.0998 0.09436 95 70 - 130 mg/Kg Toluene <0.00200 U 0.0998 0.08976 mg/Kg 90 70 - 130 0.200 97 m-Xylene & p-Xylene <0.00401 U 0.1927 70 - 130 mg/Kg o-Xylene <0.00200 U 0.0998 0.09401 mg/Kg 94 70 - 130

MS MS

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

Lab Sample ID: 890-404-1 MSD

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: FS23 Prep Type: Total/NA

Prep Batch: 1098

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.1034		mg/Kg		104	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.0996	0.1084		mg/Kg		109	70 - 130	14	35
Toluene	<0.00200	U	0.0996	0.1055		mg/Kg		106	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2203		mg/Kg		111	70 - 130	13	35
o-Xylene	<0.00200	U	0.0996	0.1091		mg/Kg		110	70 - 130	15	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

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

Lab Sample ID: MB 880-1108/1-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1108

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		03/31/21 13:38	04/01/21 10:44	1
(GRO)-C6-C10								
Total TPH	<50.0	U	50.0	mg/Kg		03/31/21 13:38	04/01/21 10:44	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/31/21 13:38	04/01/21 10:44	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/31/21 13:38	04/01/21 10:44	1
C10-C28)	<50.0	U	50.0	mg/Kg		03/31/21 13:38	04/01/21 10:44	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/31/21 13:38	04/01/21 10:44	1
o-Terphenyl	106		70 - 130	03/31/21 13:38	04/01/21 10:44	1

Lab Sample ID: LCS 880-1108/2-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1108

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1126 113 70 - 130 mg/Kg

(GRO)-C6-C10

QC Sample Results

Client: WSP USA Inc. Job ID: 890-404-1 Project/Site: Ross Draw 25 N Battery SDG: TE012921016

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

Lab Sample ID: LCS 880-1108/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch, 4429

Analysis Batch: 1138	Prep	Batch: 1108
Spike LCS LCS	%Rec.	
Analyte Added Result Qualifier Unit	it D %Rec Limits	
Diesel Range Organics (Over 1000 948.6 mg/l	/Kg 95 70 ₋ 130	

C10-C28)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	9	S1-	70 - 130

Lab Sample ID: LCSD 880-1108/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 1138** Prep Batch: 1108

Spike LCSD LCSD %Rec. RPD Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 1101 70 - 130 2 Gasoline Range Organics mg/Kg 110 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1004 mg/Kg 100 70 - 130 6 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 107 70 - 130 o-Terphenyl 10 S1-70 - 130

мв мв

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1165/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 1213

Analyte Result Qualifier RL Unit D Prepared Dil Fac Analyzed <5.00 U 5.00 Chloride mg/Kg 04/01/21 23:30

Lab Sample ID: LCS 880-1165/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 1213

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 97 90 - 110 241.5 mg/Kg

Lab Sample ID: LCSD 880-1165/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 1213

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	241.7		mg/Kg	_	97	90 - 110	0	20	

QC Association Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1 SDG: TE012921016

GC VOA

Prep Batch: 1098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Total/NA	Solid	5035	
890-404-2	FS24	Total/NA	Solid	5035	
890-404-3	SW08	Total/NA	Solid	5035	
890-404-4	SW09	Total/NA	Solid	5035	
890-404-5	FS25	Total/NA	Solid	5035	
MB 880-1098/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1098/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1098/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-404-1 MS	FS23	Total/NA	Solid	5035	
890-404-1 MSD	FS23	Total/NA	Solid	5035	

Analysis Batch: 1205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Total/NA	Solid	8021B	1098
890-404-2	FS24	Total/NA	Solid	8021B	1098
890-404-3	SW08	Total/NA	Solid	8021B	1098
890-404-4	SW09	Total/NA	Solid	8021B	1098
890-404-5	FS25	Total/NA	Solid	8021B	1098
MB 880-1098/5-A	Method Blank	Total/NA	Solid	8021B	1098
LCS 880-1098/1-A	Lab Control Sample	Total/NA	Solid	8021B	1098
LCSD 880-1098/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1098
890-404-1 MS	FS23	Total/NA	Solid	8021B	1098
890-404-1 MSD	FS23	Total/NA	Solid	8021B	1098

GC Semi VOA

Prep Batch: 1108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Total/NA	Solid	8015NM Prep	
890-404-2	FS24	Total/NA	Solid	8015NM Prep	
890-404-3	SW08	Total/NA	Solid	8015NM Prep	
890-404-4	SW09	Total/NA	Solid	8015NM Prep	
890-404-5	FS25	Total/NA	Solid	8015NM Prep	
MB 880-1108/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1108/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Total/NA	Solid	8015B NM	1108
890-404-2	FS24	Total/NA	Solid	8015B NM	1108
890-404-3	SW08	Total/NA	Solid	8015B NM	1108
890-404-4	SW09	Total/NA	Solid	8015B NM	1108
890-404-5	FS25	Total/NA	Solid	8015B NM	1108
MB 880-1108/1-A	Method Blank	Total/NA	Solid	8015B NM	1108
LCS 880-1108/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1108
LCSD 880-1108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1108

QC Association Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1 SDG: TE012921016

HPLC/IC

Leach Batch: 1165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Soluble	Solid	DI Leach	
890-404-2	FS24	Soluble	Solid	DI Leach	
890-404-3	SW08	Soluble	Solid	DI Leach	
890-404-4	SW09	Soluble	Solid	DI Leach	
890-404-5	FS25	Soluble	Solid	DI Leach	
MB 880-1165/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1165/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1165/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 1213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-404-1	FS23	Soluble	Solid	300.0	1165
890-404-2	FS24	Soluble	Solid	300.0	1165
890-404-3	SW08	Soluble	Solid	300.0	1165
890-404-4	SW09	Soluble	Solid	300.0	1165
890-404-5	FS25	Soluble	Solid	300.0	1165
MB 880-1165/1-A	Method Blank	Soluble	Solid	300.0	1165
LCS 880-1165/2-A	Lab Control Sample	Soluble	Solid	300.0	1165
LCSD 880-1165/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1165

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Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1 SDG: TE012921016

Client Sample ID: FS23

Date Collected: 03/22/21 08:27 Date Received: 03/22/21 11:25

Lab Sample ID: 890-404-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1098	03/31/21 10:45	MR	XM
Total/NA	Analysis	8021B		1	1205	04/01/21 20:20	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:39	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 20:58	AJ	XM
Soluble	Leach	DI Leach			1165	04/01/21 11:52	SC	XM
Soluble	Analysis	300.0		5	1213	04/02/21 00:00	CH	XM

Client Sample ID: FS24 Lab Sample ID: 890-404-2 Date Collected: 03/22/21 08:31 **Matrix: Solid**

Date Received: 03/22/21 11:25

Soluble

Leach

Analysis

DI Leach

300.0

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 1098 03/31/21 10:45 MR XM Total/NA 8021B MR Analysis 1205 04/01/21 20:41 XM1 Total/NA Prep 8015NM Prep 03/31/21 13:39 ΧM 1108 DM Total/NA 8015B NM ΧM Analysis 1138 04/01/21 21:19 ΑJ Soluble ΧM

5 **Client Sample ID: SW08** Lab Sample ID: 890-404-3

1165

1213

04/01/21 11:52

04/02/21 00:05

SC

CH

ΧM

Date Collected: 03/22/21 08:36 **Matrix: Solid** Date Received: 03/22/21 11:25

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1098	03/31/21 10:45	MR	XM
Total/NA	Analysis	8021B		1	1205	04/01/21 21:01	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:39	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 21:40	AJ	XM
Soluble	Leach	DI Leach			1165	04/01/21 11:52	SC	XM
Soluble	Analysis	300.0		5	1213	04/02/21 00:10	CH	XM

Client Sample ID: SW09 Lab Sample ID: 890-404-4

Date Collected: 03/22/21 08:43 Matrix: Solid Date Received: 03/22/21 11:25

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1098	03/31/21 10:45	MR	XM
Total/NA	Analysis	8021B		1	1205	04/01/21 21:21	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:39	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 22:01	AJ	XM
Soluble	Leach	DI Leach			1165	04/01/21 11:52	SC	XM
Soluble	Analysis	300.0		5	1213	04/02/21 00:15	CH	XM

Lab Chronicle

Client: WSP USA Inc.

Job ID: 890-404-1

Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

Client Sample ID: FS25 Lab Sample ID: 890-404-5

Date Collected: 03/22/21 08:49

Date Received: 03/22/21 11:25

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1098	03/31/21 10:45	MR	XM
Total/NA	Analysis	8021B		1	1205	04/01/21 21:42	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:39	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 22:22	AJ	XM
Soluble	Leach	DI Leach			1165	04/01/21 11:52	SC	XM
Soluble	Analysis	300.0		1	1213	04/02/21 00:30	CH	XM

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

SDG: TE012921016

Laboratory: Eurofins Xenco, Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-20-21	06-30-21
The following analytes	and the street and the first and a second the con-	Adam talamatan, in makandik		
the agency does not of	• •	t the laboratory is not certifi	fied by the governing authority. This list ma	ay include analytes to
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the agency does not of	er certification.	•	, , ,	ay include analytes to

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Method Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1

SDG: TE012921016

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

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:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Ross Draw 25 N Battery

Job ID: 890-404-1

SDG: TE012921016

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-404-1	FS23	Solid	03/22/21 08:27	03/22/21 11:25	
890-404-2	FS24	Solid	03/22/21 08:31	03/22/21 11:25	
890-404-3	SW08	Solid	03/22/21 08:36	03/22/21 11:25	
890-404-4	SW09	Solid	03/22/21 08:43	03/22/21 11:25	
890-404-5	FS25	Solid	03/22/21 08:49	03/22/21 11:25	

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iture) Date/Time	ture) Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ature)	Received by; (Signature)	(Signature)	Relinquished by: (Signature)
	dilless previously negonated.	nalyzed. I nese terms will be enforce	bmitted to Xenco, but not ar	of \$5 for each sample su	each project and a charge of	rge of \$75.00 will be applied to e	of Xenco. A minimum cha
	Notice: Signature of this document and reinquishment of samples constitutes a valid purchase order from cheric constitutes and successive 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 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	Notice: Signature of this occurrent and relinquishment of samples constitutes a valid purchase order from chemic company to Active, as animates and successful accounts 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.	losses or expenses incurred	y responsibility for any	samples constitutes a vail s and shall not assume an	able only for the cost of sample	of service. Xenco will be I
	ons standard terms and conditions	affiliates and subcontractors. It assi	llant company to Yanco its	d acceptance order from a			
Na Sr II Sn U V Zn 1631 / 245 1 / 7470 / 7471 : Hg	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U	a Cr Co	Sb As Ba Be	TCLP / SPLP 6010: 8RCRA	00	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) a
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Sample Comments			PH (El	Depth	Date Time Sampled Sampled	ification Matrix	Sample Identification
lab, if received by 4:30pm			PA 8 EPA	J	Total Containers:	_	Sample Custody Seals:
the			015) 0=8	10.0	Correction Factor:		Cooler Custody Seals:
(Com De CIB			021)		NO.	Yes No	Received Intact:
None years	of Custody	890-404 Chain of Custody			Thermometer ID	1.000	Temperature (°C):
NAPP 313375				Yes No	Yes No Wet Ice:	PT Temp Blank: (Yes) No	SAMPLE RECEIPT
M oc				Due Date:		Jeremy Hill	Sampler's Name:
A51 - 45545				sn:)(Rush:	Soil date 1/7/21	P.O. Number:
1056651001				Routine		TE OISGITIOILE	Project Number:
Work Order Notes	JEST	ANALYSIS REQUEST		Turn Around	By Henry	Russ throw 25 N	Project Name:
1	Deliverables. CDD Abar 1	com	Email: Jeremy Hill@wsp.com, Dan.Moir@wsp.com	ail: Jeremy.Hill@wsp	Ema	(432) 236-3849	Phone:
<u>ن</u> 	evel	Ŏ	Carlsbad, NM 88220	City, State ZIP:		Midland, TX 79705	City, State ZIP:
Ŋ			522 W. Mermod St.	Address:		3300 North A Street	Address:
prowitteius (No Albertaire	State of Project:		XTO Energy	Company Name:		WSP USA	Company Name:
,	.						┙
Comments	Work Order Comments		Kyle Littrell	Bill to: (if different)		Dan Moir	Project Manager:
n Page of	3-620-2000) <u>www.xenco.com</u>	milialii, المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة المرابعة ا Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	(480-355-0900) Atlanta,G)92-7550) Phoenix,AZ	Hobbs, NM (575-3		
· ~		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334	Dallas,TX (214) 902-030	ton,TX (281) 240-4200	Hous	M C C C	X
*10°	Work Order No:	ustody	Chain of Custody				
) h				

1089 N Canal St. Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199

Eurofins Xenco, Carlsbad

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Environment Testing
America

Chain of Custody Record

	Sampier			Lab PM		•					Сап	Carrier Tracking No(s):	king N	o(s):			8	COC No:			١	ı			
ilent Information (Sub Contract Lab)	Phone:			Kram	Kramer, Jessica	sica					2	2	1				89	890-121 1	-						
hipping/Receiving				jessi	jessica kramer@eurofinset.com	er@e	urofin	set.cor	3		Nev	New Mexico	8 3				Page:	Page: Page 1 of 1	of 1						
urofins Xenco					Accreditations Required (See note) NELAP - Louisiana, NELAP	- Lou	equirec	(See n	1 -	Texas							30 # # do #	Job # 890-404-1	٤						
ddress 211 W Florida Ave	Due Date Requested 3/29/2021	đ						<u>A</u>	- 1	sis Re	Requested	<u> </u>				ı	핗	serv	Preservation Codes	င္ဆိ	š				丄
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tate, Zip: X, 79701																AND THE S	m U O	Zn Acetate Nitric Acid NaHSO4	Acid Acid		O o c <	AsNaO2 Na2O4S Na2SO3	10		
hone 32-704-5440(Tel)	PO #:						···			—						-community	О П	F MeOH G - Amchlor	ō		い フ :	Na2S2C H2SO4	దో		
mail	WO#:				OHLLSSO COO Y-		nioria										I	Asco	Ascorbic Acid			TSP Dod Acetone	TSP Dodecahydrate Acetone	/drate	
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loss Draw 25 N Battery	89000004				0.000 177.00										<u></u>	tain	<u> </u>	EDA			Z - ot	her (sp	Z - other (specify)		
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	•	(D		Matrix (W=water S=solid, O=waste/oil,	eld Filtered inform MS/I	15MOD_NM/	0_ORGFM_2 21B/5035FP			*					· · · · · · · · · · · · · · · · · · ·	tal Number									
	X	X	Preservation Code:	unital .	WW 18	1447	7 9		1			Sand	4	4	dd -	Z i	7	l	Jecre		i uc		pecial Histructions/Note:	1:	1
S23 (890-404-1)	3/22/21	08 27 Mountain		Solid		×	×					10. 100.				4	24			3		7			k
S24 (890-404-2)	3/22/21	08 31 Mountain		Solid		×	×			-	\dashv		_	_			transco (S								
W08 (890-404-3)	3/22/21	08 36 Mountain		Solid		×	×		_	\dashv				_			ustalta fell lil			l					
W09 (890-404-4)	3/22/21	08 43 Mountain		Solid		×	×		\dashv	\dashv	\dashv		_												
S25 (890-404-5)	3/22/21	08 49 Mountain		Solid		×	×								-+	4	<u> </u>								
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ode: 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 alintain 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 LC.	places the ownership eing analyzed, the sa rn the signed Chain o	of method ana imples must be if Custody attes	lyte & accredite shipped back sting to said cor	ation complian to the Eurofins mplicance to E	ce upon o Xenco L urofins X	out subi LC labo enco Ll	contrac oratory C.	t laborat or other	ories. '	This sar ions wi	nple sh II be pra	ipment ovided	is forw Any c	arded	under s to ac	chain- xedita	of-cu	stody	If the should	labora l be br	atory o	to Eur	ot cum	ently (enco	
ossible nazard idenuncation inconfirmed					Sam	ple D Ret	lispos um To	Sample Disposal (A fee		may be assessed if samples are retained longer Disposal By Lab Archive For	asse.	assessed if san Disposal By I ah	ifsan v I ah	nples	are	etaii	tained long Archive For	long:	er th	than 1	month)	th)			
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Custody Seals Intact. Custody Seal No						oder 1	Temper	Coder Temperature(s) °C and Other Remarks.	°C and	Other I	Remark	,s	ļ	ı	l	ı		-			Ī	l			

Ver 11/01/2020

Chain of Custody Record	
seurofins Environment Testing America	

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone. 575-988-3199 Fax: 575-988-3199 Client Information (Sub Contract Lab) Client Contact: Client Contact: Shpping/Receiving Company Euroffins Xenco Address 1211 W Florida Ave,	Sampler Phone Phone Due Date Requested 3/29/2021	hain c	Chain of Custody Record Lab PM Simmons, Debt E-Mail debbie simmons Accreditation NELAP - L	Lab PM Simmo E-Mail debbie	Record Lab PM Simmons, Debbie E-Mail debbie simmons@eurofinset Accreditations Required (See NELAP - Louisiana, NE	Debbie Imons@ Itations F	Die S@ei s Req ouisi	ecord I ons, Debbie le simmons@eurofinset Accreditations Required (See NELAP - Louisiana, NE		Vsis R	as as	Carrier Tracking No(s) State of Origin: New Mexico	Carrier Tracking State of Origin: New Mexico	o ng No(s).			COC No: 890-12: Page: Page 3 Job #: 890-406 Preserv	eurofins COC No: 890-121 3 Page: Page 3 of 3 Job # 890-406-1 Preservation Co	Oddes S	Environ	ca ca	Environment Testing America	
1211 W Florida Ave, ,	3/29/2021 TAT Requested (days): PO #	/5):				Manietariki	Full TPH	nloride	Ana	nalysis Requested	Req	uest	ed				n . sa ka samu teknsili istratilili insisi		A - HCL B NAOH C - Zn Acetale D Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid	a c		Hexane None AsNaO2 AsNa2O4S Na2SO3 Na2SO3 Na2SO3 H2SO4 TSP Dodec; Acetone	Hexane None AsNaO2 Na2O4S Na2SO3 Na2SO3 Na2SO3 H2SO4 H2SO4 TSP Dodecahydrate Acetone	
roject Name: _ivingston Ridge SWD System ilte:	Project #: 88000221 SSOW#				Sample (Yes or ISD (Yes or No)	(SANGE) PROBLEM COMMON PROPERTY SERVICES	015NM_S_Prep F	BD/DI_LEACH Chi									transfer and the second of the state of the second	J DIW K EDT L EDA Other	DI Water EDTA EDA		W pH 4-5 Z other (spe	MCAA pH 4-5 other (specify)	Š	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water S=solid, O=waste/oll, BT=Tissue, A=Air)	estimation (engagement	8021B/5035LP_0	8016MOD_NM/8	300_ORGFM_28									Total Number		Speci	pecial instructions/Note:	ructio	ns/No	ē.	
	M	X		Preservation Code:	$\stackrel{\times}{\vee}$								mit.			2	X		M	V		I		
TP-22-5 (890-406-19)	3/22/21	13 00 Mountain		Solid		×	×	×									(4.							
TP-24-5 (890-406-21)	3/22/21	13 20 Mountain		Solid		×	×	×									4							
TP-24-2 (890-406-22)	3/22/21	Mountain		Solid		×	×	×																
ГР-29-5 (890-406-23)	3/22/21	13 40 Mountain		Solid		×	×	×									,							
TP-27-5 (890-406-25)	3/22/21	14 00 Mountain		Solid		×	×	×																
TP-27-2 (890-406-26)	3/22/21	14 10 Mountain		Solid		×	×	×									4							
TP-21-5 (890-406-27)	3/22/21	14 20 Mountain		Solid		×	×	×									44							
TP-21-2 (890-406-28)	3/22/21	14 30 Mountain		Solid		×	×	×																
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.	places the ownership being analyzed the sa urn the signed Chain o	of method an imples must b f Custody atte	alyte & accredi e shipped back sting to said co	tation compliant to the Eurofinomplicance to	nce upo s Xeno Eurofins	o LLC S Xenc	subco labora to LLC	ntract I itory or	aboratori other ins	es. Thi struction	s samp	le ship e prov	ment is ded. /	forwal	rded u	nder c	nain-o editati	f-custr on sta	ody If the	e labora d be bro	tory do	es not c Eurofir	urrently s Xenco	
Possible Hazard Identification Unconfirmed					ွ	_∏g Jgm	e Dis Retun	le Disposal (A t Return To Client	I (A fe Client	e maj	be a	assessed if san Disposal By Lab	edif al By	sam _l	oles a	□re	itain Arch	tained long Archive For	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Month	an 1	mont!	Months		
Deliverable Requested I II, III IV Other (specify)	Primary Deliverable Rank. 2	ble Rank. 2	2		S	pecia	Inst	Special Instructions/	ns/QC	QC Requirements	remei	₹			ı									
Empty Kit Relinquished by		Date			Time							_	ethod	Method of Shipment.	oment.									
Relinquished by Live Control 3.23:2	Date/Time:			Company		Rec Sec	Received by Received by	Y No	N. S.	7					Date/Jime:		74	$\frac{2}{2}$	3,0	\$	Company	Y V		
_	Date/Time:			Company		Rec	Received by	by.						Da	Date/Time:	92					Company	Å		
Custody Seals Intact. Custody Seal No						Co	ler Tei	Cooler Temperature(s)	ure(s) °C	and O	and Other Remarks	marks:												

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-404-1
SDG Number: TE012921016

List Source: Eurofins Carlsbad

Login Number: 404 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	

True

N/A

1

3

4

6

8

10

12

13

14

<6mm (1/4").

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-404-1

SDG Number: TE012921016

Login Number: 404 **List Source: Eurofins Midland** List Number: 2

List Creation: 03/23/21 03:10 PM

Creator: Copeland, Tatiana

<6mm (1/4").

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	

Eurofins Carlsbad Released to Imaging: 7/9/2021 9:02:30 AM

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 30852

CONDITIONS

	•
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	30852
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
chensley	XTO's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-	7/9/2021
	141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	